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NISSAN FORKLIFT SALESMAN'S HANDBOOK



FOREWORD

This Salesman's Handbook has been prepared in order to assist our salesmen in fully understanding and appreciating the outstanding qualities of the NISSAN Forklifts and Towing tractors. This, in turn, will enable them to conduct sales activities with greater sales-confidence.

The NISSAN Forklifts/Towing tractors incorporate Nissan's total "know-how" and provide the same superiority that has been demonstrated by NISSAN automobiles around the world. They offer the latest developments in structural design and keep pace with today's demand for greater labor economy, efficiency and safety.

It is hoped that this Handbook will provide the salesman with knowledge that will aid him in selling NISSAN Forklifts/Towing tractors.

For more detailed information, Please contact Nissan Motor Company, Ltd.

Note:

Some of the vehicles or equipment listed in this manual may not be available in some countries due to technical or other reasons. Specifications of standard models may vary according to territories or countries to which the models are delivered.

Due to our continuing policy of improving both the design and the quality of our products, the specifications provided herein are subject to change without notice.

NISSAN MOTOR CO., LTD.
INDUSTRIAL MACHINERY DIVISION
OVERSEAS MARKETING AND SALES
DEPARTMENT

INTRODUCTION

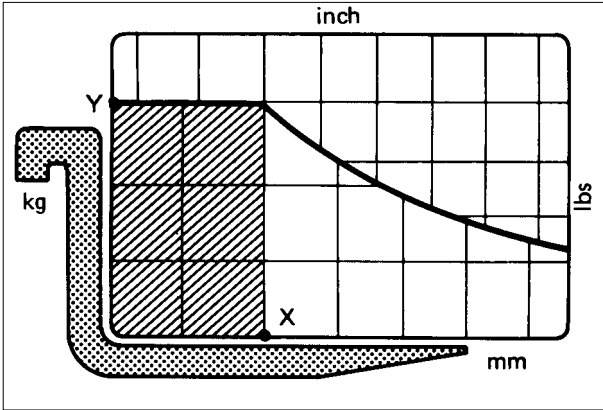
INTRODUCTION

Explanation Of Forklift Terms

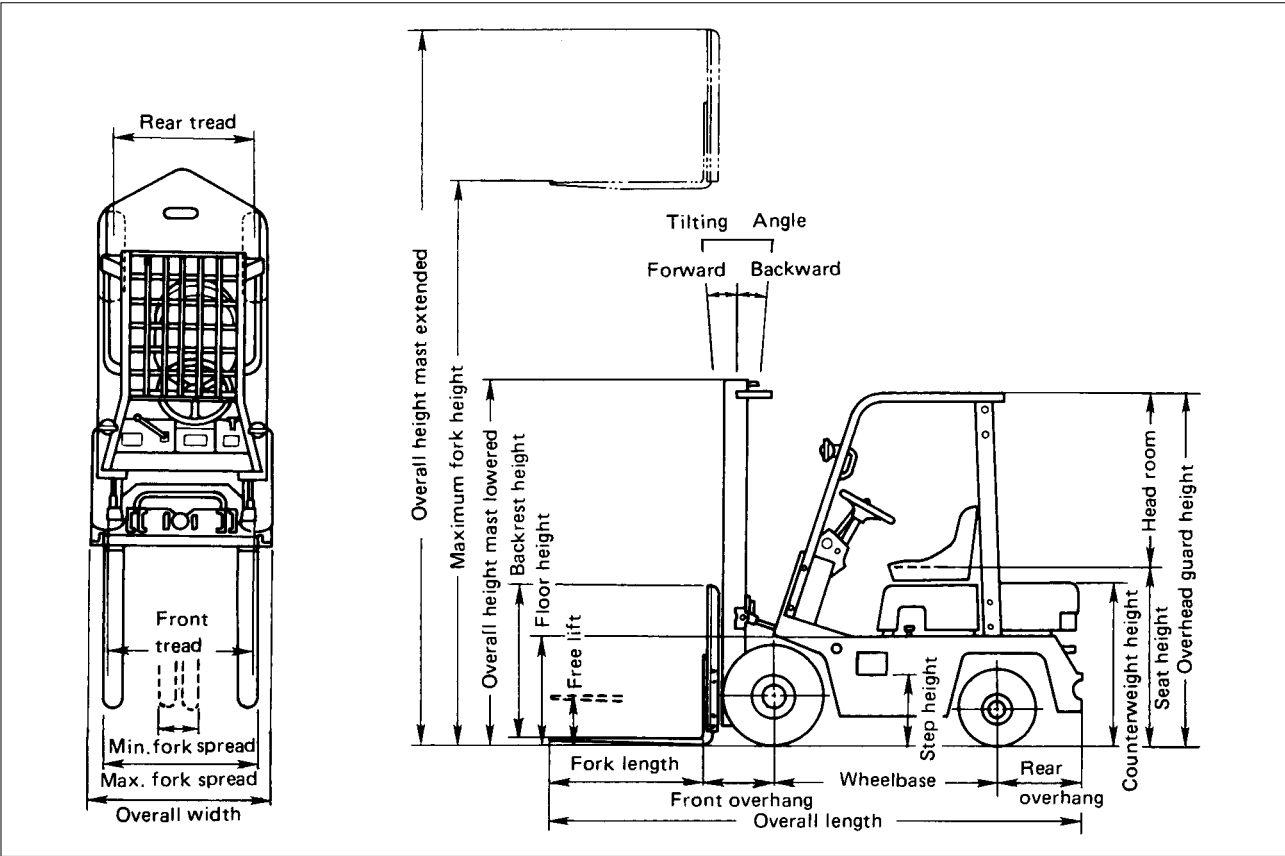
This chapter describes the forklifts terms used in this handbook. For towing tractor terms, refer to the chapter "Specification Table".

LOAD CAPACITY AND LOAD CENTRE

The load capacity of a forklift truck varies depending on the horizontal distance between the vertical surface of the forks and the centre of gravity of the load. A forklift truck is equipped with a load chart indicating this relationship between the distance and the load capacity. The X shown on this load chart is called the load centre, and the Y which corresponds to this X is the maximum load capacity.



DIMENSIONS



Maximum fork height

The maximum fork height denotes the height from the ground to the upper surfaces of the forks when the forks are raised to their highest position with the mast positioned vertically.

Free lift

The free lift is the maximum lifting height of the forks with the mast position remaining unchanged.

Tilting angle

The tilting angle is the maximum angle that the mast will tilt backwards and forwards from the vertical (straight-up) position without load. This tilting angle is more limited in the high mast model in order to increase stability.

Overall length

With forks: The length from the front end of the forks to the rear end of the truck body.

Without forks: In the Nissan forklift trucks, this indicates the overall length minus the length of the forks, i.e., the length from the vertical surfaces of the forks to the rear of the truck body.

Overall width

The maximum width of a forklift truck with the steering wheel set in the straight-ahead position.

Overall height

The height to the top of the forklift truck. The mast overall height is classified in two categories: mast extended overall height when the forks are fully raised and mast lowered overall height when the forks are fully lowered. The mast lowered overall height must be compared to the height of the overhead guard. This dimension is essential when judging whether or not a forklift truck will be able to pass through an entrance to a building or some structure.

Wheelbase

Horizontal distance between the centres of front and rear axles.

Front overhang

Distance from front axle centre to vertical surfaces of the forks.

Rear overhang

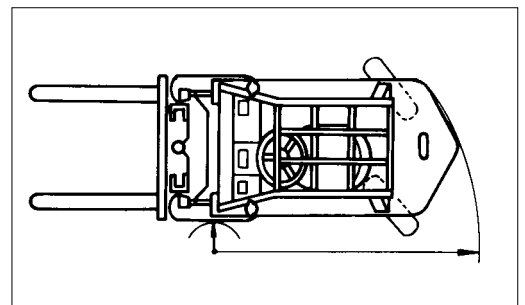
Distance from rear axle centre to rear of the truck body.

Tread

Distance between the centre of the left and right tyres on the same axle, or in dual-tyre models, the distance between the centres of the left and right dual tyre.

Turning radius

The radius of the locus drawn by the extreme outward side of the truck body when the forklift turns either right or left at the minimum forward speed with the steering wheel turned completely is called the "outside minimum turning radius". The radius of the locus drawn by the inner front tyre is called the "inside minimum turning radius".



INTRODUCTION

Right angle (90°) stacking aisle

The right angle stacking aisle denotes the minimum width of an aisle in which a forklift truck is able to load and unload after completing a 90-degree turn.

Right angle (90°) intersecting aisle

The minimum turning radius indicates the sharpness of a turn, but it does not indicate how large a space is required to make a turn. The right angle intersecting aisle is defined as the minimum width of aisle which intersect at right angles through which the forklift truck is able to pass. The catalog data is for a non-loaded truck with the forks set at their widest position.

Fork length

The length from the vertical surfaces of the forks to the front ends of the forks.

Floor height

The height from the ground to the upper face of floor board.

Step height

The height from the ground to the upper face of step.

Seat height

The height from the ground to the upper face of seat when the operator [90 kg (199 lbs)] is seated.

Head clearance

The head clearance from under face of overhead guard to the upper face of seat when the operator [90 kg (199 lbs)] is seated.

Counterweight height

The height from the ground to the top of counterweight.

Backrest height

The height from upper of the forks to the top of backrest.

Max. fork spread

The distance of outer forks when the forks are moved on the outside knoches of carriage.

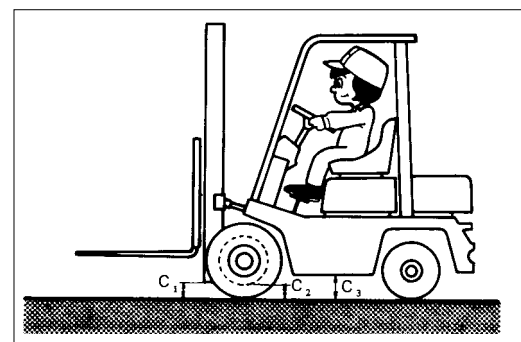
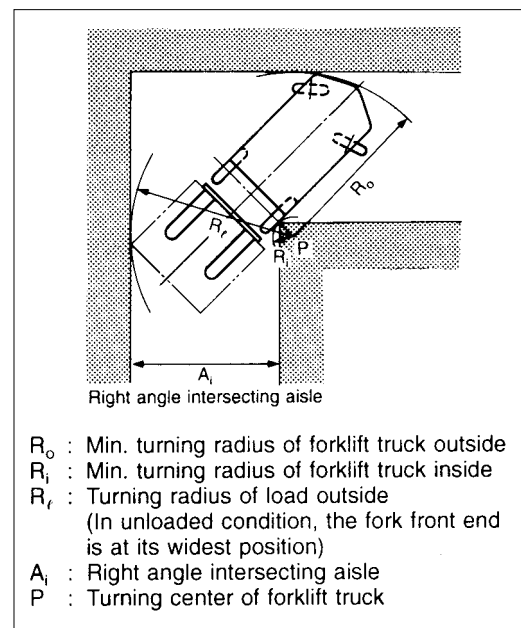
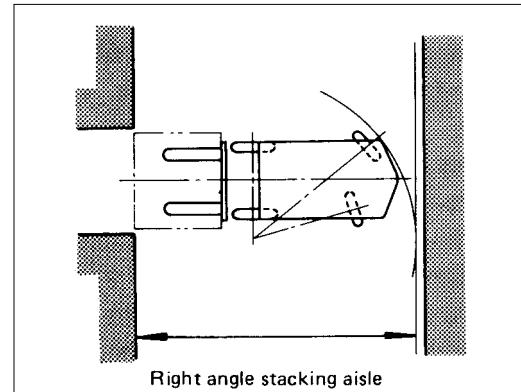
Min. fork spread

The distance of outer forks when the forks are moved on the inside knoches of carriage.

Maximum ground clearance

The height from the ground at the position where the clearance from the ground is considered minimum, except the elevating portion of the loading device and around wheels.

- C₁ : under mast
- C₂ : under power unit
- C₃ : under frame



Grade clearance

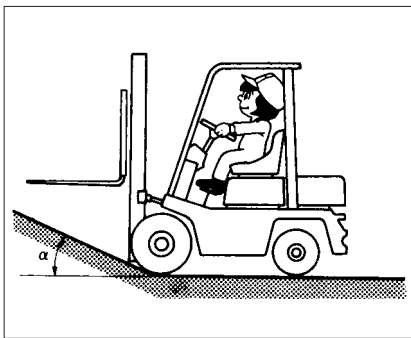
The angle (α) between the plane contacting the front tyres and passing the front lower end of the mast and ground is called the "Approach angle".

The angle (β) between the plane contacting the rear wheels and passing the rear lower end of the lorklift truck and ground is called the "Departure angle".

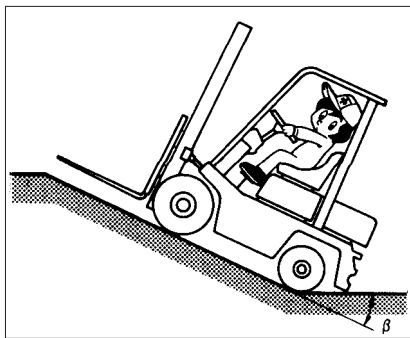
The angle (γ) Between the plane intersecting the on the underside parts of the body where the first plane is tangent to the front tyres and the second plane is tangent to the rear tyres is called "Ramp brakeover angle".

These angle are essential for assesseeing the ability of a forklift truck to climb over an obstacle on the ground when traveling.

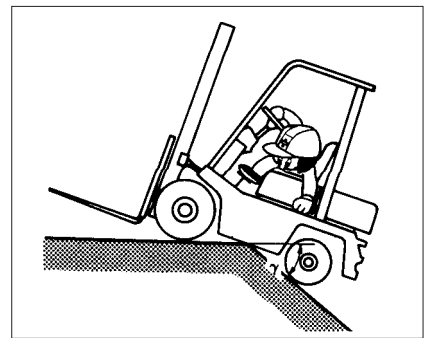
Approach angle



Departure angle



Ramp brakeover angle



PERFORMANCE

The performance of forklift truck is changed by road surface and oil temperature of the transmission or reduction gear etc.

The value on this handbook shows on the concrete or asphalt road and oil temperature as below.

engine oil:	more than 50 °C (122 °F)
transmission:	more than 50 °C (122 °F)
torque converter:	more than 80 °C (176 °F)
reduction gear:	more than 50 °C (122 °F)
hydraulic tank:	more than 40 °C (104 °F)

Lifting/lowering speed

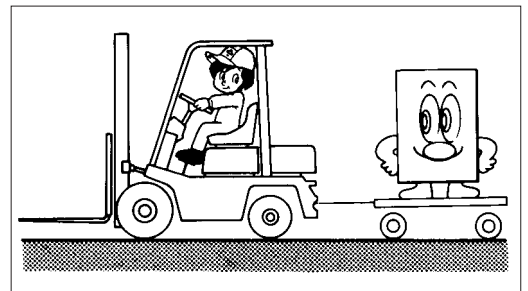
The speed of the forks as they move upwards and downwards is expressed both for their loaded state and unloaded state. The lowering speed has been limited (reduced) to prevent both vehicle instability and damage to the load which can result from sudden drops caused by the weight of the load.

Travel speed

The maximum truck speed when the accel pedal is fully opened.

Drawbar pull

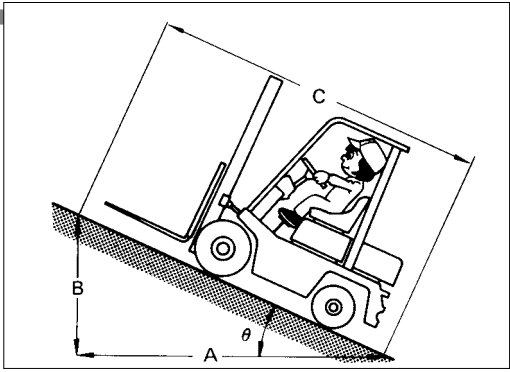
The forklift truck is often used as a tractor for a trailer or other equipment. In such instances, the maximum traction varies according to the engine torque, reduction gear ratio, road surface and other factors. It also varies largely depending on whether or not the truck is loaded.



INTRODUCTION

Gradeability

The "gradeability" indicates the ability of the forklift to ascend a slope. This ability differs depending on whether it is loaded or not. The unit of measuring the gradeability varies from manufacturer to manufacturer. The conversion table given below may be utilized for comparison purposes. The greadeability of Nissan forklift truck is normally expressed in tangent percent (tan %).



Gradeability conversion table

Degree (°)	Fraction (B/A)	tan % (B/A)	sin % (B/C)	Degree (°)	Fraction (B/A)	tan % (B/A)	sin % (B/C)
1	1 / 57.2	1.8	1.8	24	1 / 2.2	44.5	40.6
2	1 / 28.6	3.5	3.5	25	1 / 2.1	46.6	42.2
3	1 / 19.1	5.2	5.2	26	1 / 2.1	48.8	43.8
4	1 / 14.3	7.0	7.0	27	1 / 2.0	51.0	45.4
5	1 / 11.4	8.8	8.7	28	1 / 1.9	53.2	47.0
6	1 / 9.5	10.5	10.5	29	1 / 1.8	55.4	48.5
7	1 / 8.1	12.3	12.2	30	1 / 1.7	57.7	50.0
8	1 / 7.1	14.0	13.9	31	1 / 1.7	60.0	51.5
9	1 / 6.3	15.8	15.6	32	1 / 1.6	62.5	53.0
10	1 / 5.7	17.6	17.4	33	1 / 1.5	64.9	54.5
11	1 / 5.1	19.4	19.1	34	1 / 1.5	67.4	55.9
12	1 / 4.7	21.3	20.8	35	1 / 1.4	70.0	57.4
13	1 / 4.3	23.1	22.5	36	1 / 1.4	72.7	58.8
14	1 / 4.0	24.9	24.1	37	1 / 1.3	75.4	60.2
15	1 / 3.7	26.8	25.8	38	1 / 1.3	78.1	61.6
16	1 / 3.5	28.7	27.5	39	1 / 1.2	81.0	62.9
17	1 / 3.3	30.6	29.2	40	1 / 1.2	83.9	64.3
18	1 / 3.1	32.5	30.9	41	1 / 1.2	86.9	65.6
19	1 / 2.9	34.4	32.5	42	1 / 1.1	90.0	66.9
20	1 / 2.7	36.4	34.2	43	1 / 1.1	93.3	68.2
21	1 / 2.6	38.4	35.8	44	1 / 1.1	96.6	69.5
22	1 / 2.5	40.4	37.4	45	1 / 1.0	100.0	70.7
23	1 / 2.4	42.4	39.0				

WEIGHT

Truck weight

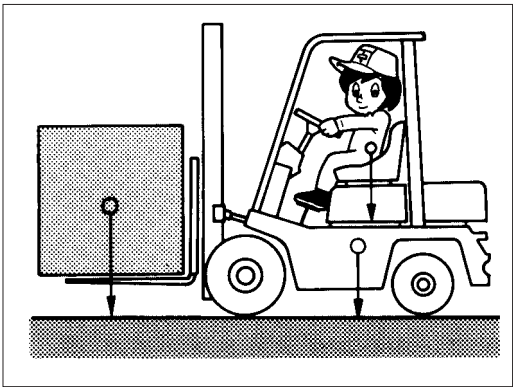
Total weight of a forklift truck without load.

Gross truck weight

The truck weight plus the maximum load. In the Nissan forklift truck, the gross truck weight also includes the weight of an operator.

Weight distribution

The weight of a truck in both an unloaded and loaded state is distributed to the front wheels and rear wheels.



MODEL LINE-UP

MODEL LINE-UP

Model Coding System

DX SERIES

<input type="checkbox"/>	U	<input type="checkbox"/>	1D2	A	25	L	Q
①	②	③	④	⑤	⑥	⑦	⑧

① TIRES

- ☐ Pneumatic / super elastic tires

② ENGINE

- P K21 LPG engine
U K25 LPG engine
Y QD32 diesel engine

③ WHEELBASE

- ☐ Standard wheelbase
G Long wheelbase

④ BASIC MODEL

- 1D1 1 ton series
1D2 2 ton series

⑤ TRANSMISSION

- A Automatic transmission

⑥ CAPACITY RATING

- 15 1500 kg @ 500 mm LC
18 1750 kg @ 500 mm LC
20 2000 kg @ 500 mm LC
25 2500 kg @ 500 mm LC
30 3000 kg @ 500 mm LC
32 3200 kg @ 500 mm LC

⑦ FUEL

- ☐ Diesel
L LPG

⑧ DESTINATION

- Q Europe

LX SERIES (CLX, ALX & LX-35)

M	C	U	G	1F2	A	30	L	U
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① PRODUCTION PLACE

- ☐ Japan
M USA

② TIRES

- ☐ Pneumatic / super elastic tires
C Cushion tires
A Compact pneumatic tires

③ ENGINE

- P K21 gasoline/LPG engine
U K25 gasoline/LPG engine
Y QD32 diesel engine

④ WHEELBASE

- ☐ Standard wheelbase
G Long wheelbase

⑤ BASIC MODEL

- 1F1 1 ton series
1F2 2 ton series

⑥ TRANSMISSION

- A Automatic transmission

⑦ CAPACITY RATING

- 15 1500 kg @ 500 mm LC
16 1600 kg @ 500 mm LC
18 1800 kg @ 500 mm LC
20 2000 kg @ 500 mm LC
25 2500 kg @ 500 mm LC
28 2800 kg @ 500 mm LC
30 3000 kg @ 500 mm LC
33 3300 kg @ 500 mm LC
35 3500 kg @ 500 mm LC
36 3600 kg @ 500 mm LC

⑧ FUEL

- D Dual fuel gasoline + LPG
L LPG

⑨ DESTINATION

- U Europe

MODEL LINE-UP

Model Coding System

GX SERIES

<u>J</u>	<u>G</u>	<u>1F4</u>	<u>A</u>	<u>50</u>	<u>L</u>	<u>U</u>
①	②	③	④	⑤	⑥	⑦

① ENGINE

- J TB45 LPG engine
W TD42 diesel engine

② WHEELBASE

- ☐ Standard wheelbase
G Long wheelbase

③ BASIC MODEL

- 1F4 4 & 5 ton series

④ TRANSMISSION

- A Automatic 1 speed transmission
F Automatic 2 speed transmission

⑤ CAPACITY RATING

- 35 3500 kg @ 600 mm LC
40 4000 kg @ 600 mm LC
45 4500 kg @ 600 mm LC
50 5000 kg @ 600 mm LC

⑥ FUEL

- ☐ Diesel
L LPG
D Dual fuel gasoline/LPG

⑦ DESTINATION

- U Europe

BX SERIES

<u>M</u>	<u>C</u>	<u>P</u>	<u>□</u>	<u>1B1</u>	<u>L</u>	<u>15</u>	<u>□</u>	<u>U</u>
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① PRODUCTION PLACE

- ☐ Japan
M USA

② TIRES

- ☐ Pneumatic / super elastic tires
C Cushion tires

③ TRACTION MOTOR

- K AC 9 kW
P AC 12 kW

④ WHEELBASE

- ☐ Standard wheelbase
G Long wheelbase

⑤ BASIC MODEL

- 1B1 1 ton series
1B2 2 ton series

⑥ BODY SIZE

- L Standard battery compartment
R Large battery compartment

⑦ CAPACITY RATING

- 15 1500 kg @ 500 mm LC
18 1800 kg @ 500 mm LC
20 2000 kg @ 500 mm LC
25 2500 kg @ 500 mm LC
30 3000 kg @ 500 mm LC

⑧ SPECIAL APPLICATION

- ☐ Standard
F Cold store

⑨ DESTINATION

- U Europe

MODEL LINE-UP

Model Coding System

QX2 SERIES

$\frac{G}{①}$	$\frac{1Q2}{②}$	$\frac{L}{③}$	$\frac{30}{④}$	$\frac{Q}{⑤}$
---------------	-----------------	---------------	----------------	---------------

① WHEELBASE

- ☐ Standard wheelbase
G Long wheelbase

② BASIC MODEL

1Q2 2 & 3 ton series

③ BODY SIZE

L Standard

④ CAPACITY RATING

20 2000 kg @ 500 mm LC
25 2500 kg @ 500 mm LC
30 3000 kg @ 600 mm LC

⑤ DESTINATION

Q Europe

TX & TX4 SERIES

$\frac{J}{①}$	$\frac{G}{②}$	$\frac{1N1}{③}$	$\frac{L}{④}$	$\frac{16}{⑤}$	$\frac{Q}{⑥}$
---------------	---------------	-----------------	---------------	----------------	---------------

① PRODUCTION PLACE

- ☐ 3-wheel model
J 4-wheel model

② TIRES

- S Short wheelbase
☐ Standard wheelbase
G Long wheelbase

③ BASIC MODEL

1N1 1 & 2 tonne series

④ TRANSMISSION TYPE

L Reduction gear

⑤ CAPACITY RATING

13 1300 kg @ 500 mm LC
15 1500 kg @ 500 mm LC
16 1600 kg @ 500 mm LC
18 1750/1800 kg @ 500 mm LC
20 2000 kg @ 500 mm LC

⑥ DESTINATION

Q Europe

DX

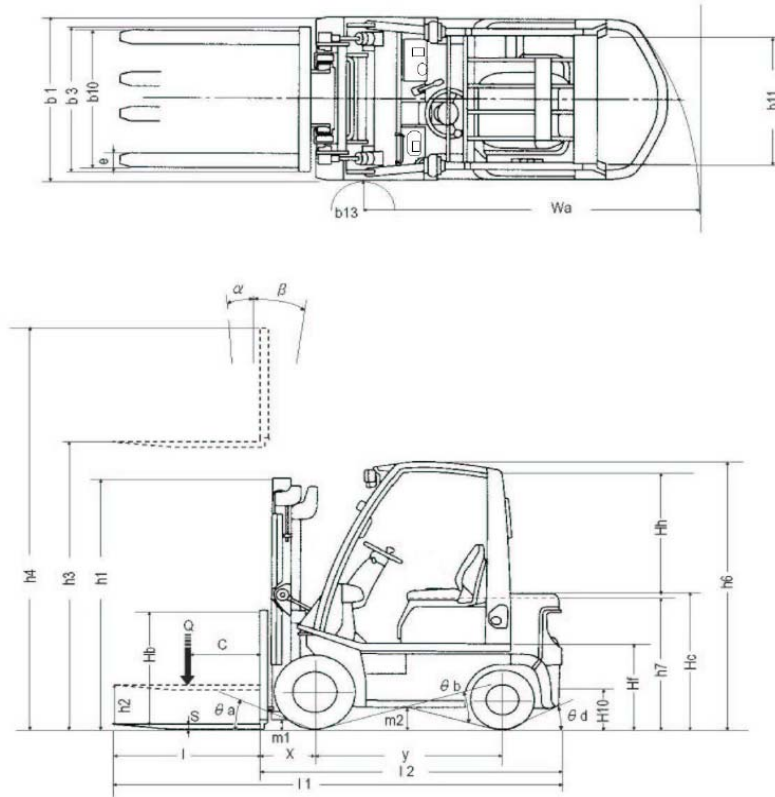
1.5



1.8 ton

at 500 mm

Load Center



MAST SPECIFICATIONS & RATED CAPACITIES

DX-15

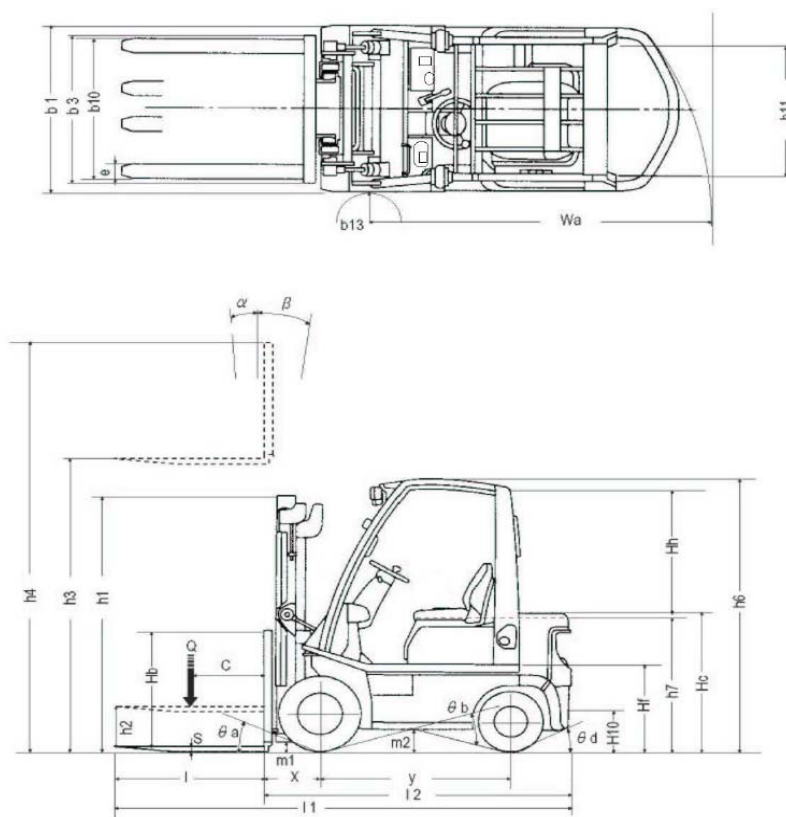
Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest		Forward/ backward	Load centre 500 mm
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two stage (Wide view 2W)	2W300	3000	1995	3640	3945	150	150	400	6/12	1500
	2W330	3300	2145	3940	4245					1500
	2W350	3500	2280	4140	4445					1500
	2W370	3700	2405	4340	4645					1500
	2W400	4000	2595	4640	4945				6/6	1500
	2W450	4500	2845	5140	5445					1450
	2W500	5000	3095	5640	5945					1350
Two stage (Full free 2F)	2F300	3000	1995	3675	3945	1355	1085	400	6/12	1500
	2F330	3300	2145	3975	4245	1505	1235			1500
	2F350	3500	2280	4175	4445	1640	1370			1500
	2F370	3700	2405	4375	4645	1765	1495			1500
	2F400	4000	2595	4675	4945	1955	1685		6/6	1500
Three stage (Full free 3F)	3F385	3850	1845	4525	4795	1205	935	400	6/6	1500
	3F430	4300	1995	4975	5245	1355	1085			1400
	3F475	4750	2145	5425	5695	1505	1235			1350
	3F515	5150	2280	5825	6095	1640	1370			1300
	3F550	5500	2405	6175	6445	1765	1495			1200
	3F600	6000	2595	6675	6945	1955	1685			1100*
	3F650	6500	2845	7175	7445	2205	1935			850*
	3F700	7000	3095	7675	7945	2455	2185			700*
Three stage (Full free wide view 3V)	3V360	3600	1845	4225	4545	1165	935	435	6/6	1450
	3V405	4050	1995	4675	4995	1315	1085			1400
	3V450	4500	2145	5125	5445	1465	1235			1350
	3V490	4900	2280	5525	5845	1595	1370			1250
	3V525	5250	2405	5875	6195	1725	1495			1200
	3V575	5750	2595	6375	6695	1915	1685			1150*
	3V633	6330	2845	6955	7275	2165	1935			850*
	3V688	6880	3095	7505	7825	2415	2185			700*

*:Load capacity with double tires. Truck width 1480 mm.

Main Truck Specifications

		Item	DX-15	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	P1D1A15LQ	Y1D1A15Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit	Sit
	1.5	Load capacity	Q (t)	1.5
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	400
	1.9	Wheel base	y (mm)	1415
WEIGHTS	2.1	Service weight	kg	2625 ^{*1}
	2.2	Axle load with load, front/rear	kg	3665/460
	2.3	Axle load without load, front/rear	kg	1210/1415
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)	Pneumatic	Pneumatic
	3.2	Tyre size, front	6.50-10-14PR	6.50-10-14PR
	3.3	Tyre size, rear	5.00-8-8PR	5.00-8-8PR
	3.5	Wheels, number front/rear (x=powered)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	890
	3.7	Tread, rear	b11(mm)	900
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	1995
	4.3	Free lift	h2 (mm)	150
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	3945
	4.7	Overhead guard height	h6 (mm)	2115
	4.8	Seat height/Standing height	h7 (mm)	1025
	4.12	Towing coupler height	h10 (mm)	245
	4.19	Overall length	l1 (mm)	3360
	4.20	Length to fork face	l2 (mm)	2260
	4.21	Overall width	b1(mm)	1080
	4.22	Fork dimensions	s/e/l (mm)	35x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B	2A	2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Mast underclearance loaded	m1 (mm)	115
	4.32	Underclearance centre wheelbase	m2 (mm)	145
	4.33	Right angle stacking aisle with pallet 1000 x 1200 wide	Ast (mm)	3570
	4.34	Right angle stacking aisle with pallet 800 x 1200 deep	Ast (mm)	3770
	4.35	Turning radius	Wa (mm)	1970
	4.36	Turning radius, inner	b13 (mm)	135
PERFORMANCE	5.1	Travelling speed with/without load	km/h	18.5/18.5
	5.2	Lifting speed with/without load(2W)	mm/s	580/630
	5.3	Lowering speed with/without load(2W)	mm/s	520/520
	5.2	Lifting speed with/without load(2F)	mm/s	530/590
	5.3	Lowering speed with/without load(2F)	mm/s	480/310
	5.2	Lifting speed with/without load(3F)	mm/s	570/590
	5.3	Lowering speed with/without load(3F)	mm/s	480/370
	5.2	Lifting speed with/without load(3V)	mm/s	530/550
	5.3	Lowering speed with/without load(3V)	mm/s	480/370
	5.5	Drawbar pull, with/without load	kN	15.3/9.1
	5.7	Gradeability with/without load	%	39/23
	5.9	Acceleration with/without load	s	4.4/3.8
DRIVE	5.10	Service brake	Hydraulic	Hydraulic
	7.1	Engine manufacturer/type	Nissan K21	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	38
	7.3	Rated engine revolutions	min-1	2700
	7.4	Number of cylinders/Displacement	cm3	4/2065
OTHERS	7.5	Fuel consumption according VDI cycle	kg/h	2.8
	8.1	Type of drive control	Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130
	8.3	Oil flow for attachment	l/min	50
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO-mode)
				79

*1: Excluding the weight for LPG bottle



MAST SPECIFICATIONS & RATED CAPACITIES

DX-18

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest		Forward/ backward	Load centre 500 mm
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two satage (Wide view 2W)	2W300	3000	1995	3640	3945	155	155	405	6/12	1750
	2W330	3300	2145	3940	4245					1750
	2W350	3500	2280	4140	4445					1750
	2W370	3700	2405	4340	4645					1750
	2W400	4000	2595	4640	4945				6/6	1750
	2W450	4500	2845	5140	5445					1600
	2W500	5000	3095	5640	5945					1550
Two stage (Full free 2F)	2F300	3000	1995	3675	3945	1360	1090	405	6/12	1750
	2F330	3300	2145	3975	4245	1510	1240			1750
	2F350	3500	2280	4175	4445	1645	1375			1750
	2F370	3700	2405	4375	4645	1770	1500			1750
	2F400	4000	2595	4675	4945	1960	1690		6/6	1750
Three stage (Full free 3F)	3F385	3850	1845	4525	4795	1210	940	405	6/6	1700
	3F430	4300	1995	4975	5245	1360	1090			1650
	3F475	4750	2145	5425	5695	1510	1240			1550
	3F515	5150	2280	5825	6095	1645	1375			1400
	3F550	5500	2405	6175	6445	1770	1500			1300
	3F600	6000	2595	6675	6945	1960	1690			1200*
	3F650	6500	2845	7175	7445	2210	1940			850*
	3F700	7000	3095	7675	7945	2460	2190			700*
Three stage (Full free wide view 3V)	3V360	3600	1845	4225	4545	1170	940	440	6/6	1650
	3V405	4050	1995	4675	4995	1320	1090			1600
	3V450	4500	2145	5125	5445	1470	1240			1500
	3V490	4900	2280	5525	5845	1600	1375			1400
	3V525	5250	2405	5875	6195	1730	1500			1250
	3V575	5750	2595	6375	6695	1920	1690			1250*
	3V633	6330	2845	6955	7275	2170	1940			900*
	3V688	6880	3095	7505	7825	2420	2190			700*

*:Capacity with double tyres. Truck width: 1480 mm.

Main Truck Specifications

		Item	DX-18	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	P1D1A18LQ	Y1D1A18Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit	Sit
	1.5	Load capacity	Q (t)	1.75
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	405
	1.9	Wheel base	y (mm)	1415
WEIGHTS	2.1	Service weight	kg	2845 ^{*1}
	2.2	Axle load with load, front/rear	kg	4065/530
	2.3	Axle load without load, front/rear	kg	1195/1650
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)	Pneumatic	Pneumatic
	3.2	Tyre size, front	6.50-10-14PR	6.50-10-14PR
	3.3	Tyre size, rear	5.00-8-8PR	5.00-8-8PR
	3.5	Wheels, number front/rear (x=powered)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	890
	3.7	Tread, rear	b11(mm)	900
	3.7	Tread, rear	b11(mm)	900
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	1995
	4.3	Free lift	h2 (mm)	155
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	3945
	4.7	Overhead guard height	h6 (mm)	2115
	4.8	Seat height/Standing height	h7 (mm)	1025
	4.12	Towing coupler height	h10 (mm)	245
	4.19	Overall length	l1 (mm)	3400
	4.20	Length to fork face	l2 (mm)	2300
	4.21	Overall width	b1(mm)	1080
	4.22	Fork dimensions	s/e/l (mm)	40x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B	2A	2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Mast underclearance loaded	m1 (mm)	115
	4.32	Underclearance centre wheelbase	m2 (mm)	145
	4.33	Right angle stacking aisle with pallet 1000 x 1200 wide	Ast (mm)	3600
	4.34	Right angle stacking aisle with pallet 800 x 1200 deep	Ast (mm)	3800
	4.35	Turning radius	Wa (mm)	2000
	4.36	Turning radius, inner	b13 (mm)	135
PERFORMANCE	5.1	Travelling speed with/without load	km/h	18.5/18.5
	5.2	Lifting speed with/without load(2W)	mm/s	580/630
	5.3	Lowering speed with/without load(2W)	mm/s	520/520
	5.2	Lifting speed with/without load(2F)	mm/s	530/590
	5.3	Lowering speed with/without load(2F)	mm/s	480/310
	5.2	Lifting speed with/without load(3F)	mm/s	570/590
	5.3	Lowering speed with/without load(3F)	mm/s	480/370
	5.2	Lifting speed with/without load(3V)	mm/s	530/550
	5.3	Lowering speed with/without load(3V)	mm/s	480/370
	5.5	Drawbar pull, with/without load	kN	15.3/9.1
	5.7	Gradeability with/without load	%	35/20
	5.9	Acceleration with/without load	s	4.5/3.9
DRIVE	5.10	Service brake	Hydraulic	Hydraulic
	7.1	Engine manufacturer/type	Nissan K21	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	41.5
	7.3	Rated engine revolutions	min-1	2700
	7.4	Number of cylinders/Displacement	cm3	4/2065
	7.5	Fuel consumption according VDI cycle	kg/h	3.0
OTHERS	8.1	Type of drive control	Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130
	8.3	Oil flow for attachment	l/min	50
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO-mode)

*1: Excluding the weight for LPG bottle

Loading Capacity

DX-15<FORK>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500		
Mast name		mm												
Pneumatic	Single Tyre	2W 300	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2W 330	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2W 350	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2W 370	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2W 400	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2W 450	1450	1305	1185	1090	1005	930	870	815	770	725	685	
		2W 500	1350	1215	1105	1015	935	870	810	760	715	675	640	
		2F 300	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2F 330	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2F 350	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2F 370	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		2F 400	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		3F 385	1500	1350	1225	1125	1040	965	900	845	795	750	710	
		3F 430	1450	1305	1185	1085	1005	930	870	815	770	725	685	
		3F 475	1350	1215	1105	1010	935	870	810	760	715	675	640	
		3F 515	1300	1170	1065	975	900	835	780	730	690	650	615	
		3F 550	1200	1080	980	900	830	770	720	675	635	600	570	
		3F 600	750	675	615	560	520	480	450	420	395	375	355	
		3V 360	1450	1310	1195	1100	1015	945	885	830	780	740	700	
		3V 405	1400	1265	1155	1060	980	910	855	800	755	715	675	
		3V 450	1350	1220	1110	1020	945	880	820	770	725	690	650	
		3V 490	1250	1130	1030	945	875	815	760	715	675	635	605	
		3V 525	1200	1085	990	910	840	780	730	685	645	610	580	
		3V 575	950	860	780	720	665	620	580	545	510	485	460	
		Double Tyre	2W 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
			2W 330	1500	1350	1225	1125	1040	965	900	845	795	750	710
			2W 350	1500	1350	1225	1125	1040	965	900	845	795	750	710
			2W 370	1500	1350	1225	1125	1040	965	900	845	795	750	710
			2W 400	1500	1350	1225	1125	1040	965	900	845	795	750	710
			2W 450	1450	1305	1185	1090	1005	930	870	815	770	725	685
			2W 500	1400	1260	1145	1050	970	900	840	790	740	700	665
			2F 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
	2F 330		1500	1350	1225	1125	1040	965	900	845	795	750	710	
	2F 350		1500	1350	1225	1125	1040	965	900	845	795	750	710	
	2F 370		1500	1350	1225	1125	1040	965	900	845	795	750	710	
	2F 400		1500	1350	1225	1125	1040	965	900	845	795	750	710	
	3F 385		1500	1350	1225	1125	1040	965	900	845	795	750	710	
	3F 430		1450	1305	1185	1085	1005	930	870	815	770	725	685	
	3F 475		1350	1215	1105	1010	935	870	810	760	715	675	640	
	3F 515		1300	1170	1065	975	900	835	780	730	690	650	615	
	3F 550		1250	1125	1020	935	865	805	750	705	660	625	590	
	3F 600		1100	990	900	825	760	705	660	620	580	550	520	
	3F 650		850	765	695	635	590	545	510	480	450	425	400	
	3F 700		700	630	570	525	485	450	420	395	370	350	330	
	3V 360	1450	1310	1195	1100	1015	945	885	830	780	740	700		
	3V 405	1400	1265	1155	1060	980	910	855	800	755	715	675		
	3V 450	1350	1220	1110	1020	945	880	820	770	725	690	650		
	3V 490	1250	1130	1030	945	875	815	760	715	675	635	605		
	3V 525	1200	1085	990	910	840	780	730	685	645	610	580		
	3V 575	1150	1040	945	870	805	750	700	655	620	585	555		
	3V 633	850	765	700	645	595	555	515	485	460	435	410		
	3V 688	700	630	575	530	490	455	425	400	375	355	340		

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 330	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 350	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 370	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 400	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 450	1450	1305	1185	1090	1005	930	870	815	770	725	685
		2W 500	1350	1215	1105	1015	935	870	810	760	715	675	640
		2F 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 330	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 350	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 370	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 400	1500	1350	1225	1125	1040	965	900	845	795	750	710
		3F 385	1500	1350	1225	1125	1040	965	900	845	795	750	710
		3F 430	1450	1305	1185	1085	1005	930	870	815	770	725	685
		3F 475	1350	1215	1105	1010	935	870	810	760	715	675	640
		3F 515	1300	1170	1065	975	900	835	780	730	690	650	615
		3F 550	1250	1125	1020	935	865	805	750	705	660	625	590
		3F 600	900	810	735	675	625	580	540	505	475	450	425
		3V 360	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3V 405	1400	1265	1155	1060	980	910	855	800	755	715	675
		3V 450	1350	1220	1110	1020	945	880	820	770	725	690	650
		3V 490	1250	1130	1030	945	875	815	760	715	675	635	605
		3V 525	1250	1130	1030	945	875	815	760	715	675	635	605
		3V 575	1050	950	865	795	735	685	640	600	565	535	505
	Double Type	2W 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 330	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 350	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 370	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 400	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2W 450	1450	1305	1185	1090	1005	930	870	815	770	725	685
		2W 500	1400	1260	1145	1050	970	900	840	790	740	700	665
		2F 300	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 330	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 350	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 370	1500	1350	1225	1125	1040	965	900	845	795	750	710
		2F 400	1500	1350	1225	1125	1040	965	900	845	795	750	710
		3F 385	1500	1350	1225	1125	1040	965	900	845	795	750	710
		3F 430	1450	1305	1185	1085	1005	930	870	815	770	725	685
		3F 475	1350	1215	1105	1010	935	870	810	760	715	675	640
		3F 515	1300	1170	1065	975	900	835	780	730	690	650	615
		3F 550	1250	1125	1020	935	865	805	750	705	660	625	590
		3F 600	1100	990	900	825	760	705	660	620	580	550	520
		3F 650	900	810	735	675	625	580	540	505	475	450	425
3F 700		850	765	695	635	590	545	510	480	450	425	400	
3V 360		1450	1310	1195	1100	1015	945	885	830	780	740	700	
3V 405		1400	1265	1155	1060	980	910	855	800	755	715	675	
3V 450		1350	1220	1110	1020	945	880	820	770	725	690	650	
3V 490		1250	1130	1030	945	875	815	760	715	675	635	605	
3V 525		1200	1085	990	910	840	780	730	685	645	610	580	
3V 575		1150	1040	945	870	805	750	700	655	620	585	555	
3V 633		900	815	740	680	630	585	550	515	485	460	435	
3V 688		800	720	660	605	560	520	485	455	430	405	385	

DX-18<FORK>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 400	1700	1530	1390	1275	1180	1095	1025	960	905	855	810
		2W 450	1600	1440	1310	1200	1110	1030	960	905	850	805	760
		2W 500	1550	1395	1270	1165	1075	1000	930	875	825	780	735
		2F 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 400	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		3F 385	1700	1530	1390	1275	1180	1095	1020	960	900	850	810
		3F 430	1650	1485	1350	1240	1145	1065	990	930	875	825	785
		3F 475	1550	1395	1270	1165	1075	1000	930	875	825	775	735
		3F 515	1400	1260	1145	1050	970	900	840	790	745	700	665
		3F 550	1300	1170	1065	975	900	835	780	735	690	650	615
		3F 600	800	720	655	600	555	515	480	450	425	400	380
		3V 360	1650	1490	1360	1250	1155	1075	1005	945	890	845	800
		3V 405	1600	1445	1320	1215	1120	1045	975	915	865	815	775
		3V 450	1500	1355	1235	1135	1050	980	915	860	810	765	725
		3V 490	1400	1265	1155	1060	980	915	855	800	755	715	680
		3V 525	1250	1130	1030	945	875	815	765	715	675	640	605
		3V 575	1000	905	825	760	700	655	610	575	540	510	485
	Double Type	2W 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 400	1700	1530	1390	1275	1180	1095	1025	960	905	855	810
		2W 450	1650	1485	1350	1240	1145	1065	995	930	875	830	785
		2W 500	1550	1395	1270	1165	1075	1000	930	875	825	780	735
		2F 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 400	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		3F 385	1700	1530	1390	1275	1180	1095	1020	960	900	850	810
		3F 430	1650	1485	1350	1240	1145	1065	990	930	875	825	785
		3F 475	1550	1395	1270	1165	1075	1000	930	875	825	775	735
		3F 515	1450	1305	1185	1090	1005	935	870	815	770	725	690
		3F 550	1350	1215	1105	1015	935	870	810	760	715	675	640
		3F 600	1200	1080	985	900	830	775	720	675	635	600	570
		3F 650	850	765	695	640	590	545	510	480	450	425	405
		3F 700	700	630	575	525	485	450	420	395	370	350	330
		3V 360	1650	1490	1360	1250	1155	1075	1005	945	890	845	800
		3V 405	1600	1445	1320	1215	1120	1045	975	915	865	815	775
		3V 450	1550	1400	1280	1175	1085	1010	945	890	835	790	750
		3V 490	1500	1355	1235	1135	1050	980	915	860	810	765	725
		3V 525	1450	1310	1195	1100	1015	945	885	830	785	740	700
		3V 575	1250	1130	1030	945	875	815	765	715	675	640	605
		3V 633	900	815	740	680	630	585	550	515	485	460	435
		3V 688	700	630	575	530	490	455	425	400	380	355	340

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 400	1700	1530	1390	1275	1180	1095	1025	960	905	855	810
		2W 450	1600	1440	1310	1200	1110	1030	960	905	850	805	760
		2W 500	1550	1395	1270	1165	1075	1000	930	875	825	780	735
		2F 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 400	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		3F 385	1700	1530	1390	1275	1180	1095	1020	960	900	850	810
		3F 430	1650	1485	1350	1240	1145	1065	990	930	875	825	785
		3F 475	1550	1395	1270	1165	1075	1000	930	875	825	775	735
		3F 515	1450	1305	1185	1090	1005	935	870	815	770	725	690
		3F 550	1350	1215	1105	1015	935	870	810	760	715	675	640
		3F 600	950	855	780	715	660	610	570	535	505	475	450
		3V 360	1650	1490	1360	1250	1155	1075	1005	945	890	845	800
		3V 405	1600	1445	1320	1215	1120	1045	975	915	865	815	775
		3V 450	1500	1355	1235	1135	1050	980	915	860	810	765	725
		3V 490	1400	1265	1155	1060	980	915	855	800	755	715	680
		3V 525	1300	1175	1070	985	910	850	795	745	700	665	630
		3V 575	1100	995	905	835	770	720	670	630	595	560	535
	Double Type	2W 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2W 400	1700	1530	1390	1275	1180	1095	1025	960	905	855	810
		2W 450	1650	1485	1350	1240	1145	1065	995	930	875	830	785
		2W 500	1550	1395	1270	1165	1075	1000	930	875	825	780	735
		2F 300	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 330	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 350	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 370	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		2F 400	1750	1575	1435	1315	1215	1130	1055	985	930	880	830
		3F 385	1700	1530	1390	1275	1180	1095	1020	960	900	850	810
		3F 430	1650	1485	1350	1240	1145	1065	990	930	875	825	785
		3F 475	1550	1395	1270	1165	1075	1000	930	875	825	775	735
		3F 515	1450	1305	1185	1090	1005	935	870	815	770	725	690
		3F 550	1350	1215	1105	1015	935	870	810	760	715	675	640
		3F 600	1250	1125	1025	940	865	805	750	705	665	625	595
3F 650		900	810	735	675	625	580	540	505	475	450	425	
3F 700		850	765	695	640	590	545	510	480	450	425	405	
3V 360		1650	1490	1360	1250	1155	1075	1005	945	890	845	800	
3V 405		1600	1445	1320	1215	1120	1045	975	915	865	815	775	
3V 450		1550	1400	1280	1175	1085	1010	945	890	835	790	750	
3V 490		1500	1355	1235	1135	1050	980	915	860	810	765	725	
3V 525		1450	1310	1195	1100	1015	945	885	830	785	740	700	
3V 575		1250	1130	1030	945	875	815	765	715	675	640	605	
3V 633		950	860	785	720	665	620	580	545	515	485	460	
3V 688		800	725	660	605	560	520	490	460	430	410	385	

Loading Capacity Side Shift-Hook On Type

DX-15<Side Shift-hook on type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500		
Mast name		mm												
Pneumatic	Single Tyre	2W 300	1500	1360	1240	1145	1060	985	925	865	820	775	735	
		2W 330	1450	1315	1200	1105	1025	955	890	840	790	750	710	
		2W 350	1400	1270	1160	1065	990	920	860	810	765	720	685	
		2W 370	1400	1270	1160	1065	990	920	860	810	765	720	685	
		2W 400	1350	1220	1115	1030	955	885	830	780	735	695	660	
		2W 450	1300	1175	1075	990	915	855	800	750	710	670	635	
		2W 500	1200	1085	995	915	845	790	740	695	655	620	590	
		2F 300	1500	1360	1240	1145	1060	985	925	865	820	775	735	
		2F 330	1450	1315	1200	1105	1025	955	890	840	790	750	710	
		2F 350	1400	1270	1160	1065	990	920	860	810	765	720	685	
		2F 370	1350	1220	1115	1030	955	885	830	780	735	695	660	
		2F 400	1300	1175	1075	990	915	855	800	750	710	670	635	
		3F 385	1350	1220	1115	1030	950	885	830	780	735	695	660	
		3F 430	1300	1175	1075	990	915	855	800	750	710	670	635	
		3F 475	1250	1130	1035	950	880	820	770	720	680	645	610	
		3F 515	1200	1085	995	915	845	790	740	695	655	620	585	
		3F 550	1100	995	910	840	775	725	675	635	600	565	540	
		3F 600	600	545	495	455	425	395	370	345	325	310	295	
		3V 360	1300	1180	1080	1000	925	865	810	765	720	680	650	
		3V 405	1250	1135	1040	960	890	830	780	735	690	655	625	
		3V 450	1200	1090	1000	920	855	800	750	705	665	630	600	
		3V 490	1150	1045	955	885	820	765	715	675	635	605	575	
		3V 525	1100	1000	915	845	785	730	685	645	610	575	550	
		3V 575	950	865	790	730	675	630	590	555	525	500	475	
		Double Tyre	2W 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
			2W 330	1450	1315	1200	1105	1025	955	890	840	790	750	710
			2W 350	1400	1270	1160	1065	990	920	860	810	765	720	685
			2W 370	1400	1270	1160	1065	990	920	860	810	765	720	685
			2W 400	1350	1220	1115	1030	955	885	830	780	735	695	660
			2W 450	1300	1175	1075	990	915	855	800	750	710	670	635
			2W 500	1250	1130	1035	950	880	820	770	725	680	645	610
			2F 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
	2F 330		1450	1315	1200	1105	1025	955	890	840	790	750	710	
	2F 350		1400	1270	1160	1065	990	920	860	810	765	720	685	
	2F 370		1400	1270	1160	1065	990	920	860	810	765	720	685	
	2F 400		1350	1220	1115	1030	955	885	830	780	735	695	660	
	3F 385		1350	1220	1115	1030	950	885	830	780	735	695	660	
	3F 430		1300	1175	1075	990	915	855	800	750	710	670	635	
	3F 475		1250	1130	1035	950	880	820	770	720	680	645	610	
	3F 515		1200	1085	995	915	845	790	740	695	655	620	585	
	3F 550		1150	1040	950	875	810	755	705	665	625	595	565	
	3F 600		1000	905	825	760	705	655	615	580	545	515	490	
	3F 650		700	635	580	535	495	460	430	405	380	360	340	
	3F 700		550	500	455	420	390	360	340	320	300	285	270	
	3V 360	1350	1225	1125	1035	960	900	840	790	750	710	675		
	3V 405	1300	1180	1080	1000	925	865	810	765	720	680	650		
	3V 450	1200	1090	1000	920	855	800	750	705	665	630	600		
	3V 490	1200	1090	1000	920	855	800	750	705	665	630	600		
	3V 525	1150	1045	955	885	820	765	715	675	635	605	575		
	3V 575	1050	955	875	805	750	700	655	615	580	550	525		
	3V 633	850	770	705	655	605	565	530	500	470	445	425		
	3V 688	550	500	455	420	390	365	345	320	305	290	275		

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
		2W 330	1450	1315	1200	1105	1025	955	890	840	790	750	710
		2W 350	1400	1270	1160	1065	990	920	860	810	765	720	685
		2W 370	1400	1270	1160	1065	990	920	860	810	765	720	685
		2W 400	1350	1220	1115	1030	955	885	830	780	735	695	660
		2W 450	1300	1175	1075	990	915	855	800	750	710	670	635
		2W 500	1200	1085	995	915	845	790	740	695	655	620	590
		2F 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
		2F 330	1450	1315	1200	1105	1025	955	890	840	790	750	710
		2F 350	1400	1270	1160	1065	990	920	860	810	765	720	685
		2F 370	1350	1220	1115	1030	955	885	830	780	735	695	660
		2F 400	1300	1175	1075	990	915	855	800	750	710	670	635
		3F 385	1350	1220	1115	1030	950	885	830	780	735	695	660
		3F 430	1300	1175	1075	990	915	855	800	750	710	670	635
		3F 475	1250	1130	1035	950	880	820	770	720	680	645	610
		3F 515	1200	1085	995	915	845	790	740	695	655	620	585
		3F 550	1150	1040	950	875	810	755	705	665	625	595	565
		3F 600	800	725	660	610	565	525	490	460	435	410	390
		3V 360	1300	1180	1080	1000	925	865	810	765	720	680	650
		3V 405	1250	1135	1040	960	890	830	780	735	690	655	625
		3V 450	1200	1090	1000	920	855	800	750	705	665	630	600
		3V 490	1150	1045	955	885	820	765	715	675	635	605	575
		3V 525	1150	1045	955	885	820	765	715	675	635	605	575
		3V 575	1050	955	875	805	750	700	655	615	580	550	525
	Double Type	2W 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
		2W 330	1450	1315	1200	1105	1025	955	890	840	790	750	710
		2W 350	1400	1270	1160	1065	990	920	860	810	765	720	685
		2W 370	1400	1270	1160	1065	990	920	860	810	765	720	685
		2W 400	1350	1220	1115	1030	955	885	830	780	735	695	660
		2W 450	1300	1175	1075	990	915	855	800	750	710	670	635
		2W 500	1250	1130	1035	950	880	820	770	725	680	645	610
		2F 300	1500	1360	1240	1145	1060	985	925	865	820	775	735
		2F 330	1450	1315	1200	1105	1025	955	890	840	790	750	710
		2F 350	1400	1270	1160	1065	990	920	860	810	765	720	685
		2F 370	1400	1270	1160	1065	990	920	860	810	765	720	685
		2F 400	1350	1220	1115	1030	955	885	830	780	735	695	660
		3F 385	1350	1220	1115	1030	950	885	830	780	735	695	660
		3F 430	1300	1175	1075	990	915	855	800	750	710	670	635
		3F 475	1250	1130	1035	950	880	820	770	720	680	645	610
		3F 515	1200	1085	995	915	845	790	740	695	655	620	585
		3F 550	1150	1040	950	875	810	755	705	665	625	595	565
		3F 600	1000	905	825	760	705	655	615	580	545	515	490
		3F 650	750	680	620	570	530	495	460	435	410	385	365
		3F 700	600	545	495	455	425	395	370	345	325	310	295
3V 360	1350	1225	1125	1035	960	900	840	790	750	710	675		
3V 405	1300	1180	1080	1000	925	865	810	765	720	680	650		
3V 450	1200	1090	1000	920	855	800	750	705	665	630	600		
3V 490	1200	1090	1000	920	855	800	750	705	665	630	600		
3V 525	1150	1045	955	885	820	765	715	675	635	605	575		
3V 575	1050	955	875	805	750	700	655	615	580	550	525		
3V 633	900	815	750	690	640	600	560	530	500	470	450		
3V 688	650	590	540	500	465	430	405	380	360	340	325		

DX-18<Side Shift-hook on type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 370	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2W 400	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		2W 450	1500	1360	1240	1145	1060	990	925	870	820	775	735
		2W 500	1400	1270	1160	1070	990	920	865	810	765	725	685
		2F 300	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2F 330	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 370	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2F 400	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		3F 385	1600	1450	1325	1220	1130	1055	985	925	875	825	785
		3F 430	1500	1360	1240	1145	1060	990	925	870	820	775	735
		3F 475	1450	1315	1200	1105	1025	955	895	840	790	750	710
		3F 515	1400	1270	1160	1065	990	920	865	810	765	725	685
		3F 550	1300	1175	1075	990	920	855	800	755	710	670	640
		3F 600	650	590	540	495	460	430	400	375	355	335	320
		3V 360	1550	1410	1290	1190	1105	1035	970	910	860	815	775
		3V 405	1500	1365	1250	1155	1070	1000	935	880	835	790	750
		3V 450	1400	1270	1165	1075	1000	935	875	825	775	735	700
		3V 490	1350	1225	1125	1040	965	900	845	795	750	710	675
		3V 525	1200	1090	1000	925	855	800	750	705	665	630	600
		3V 575	1050	955	875	805	750	700	655	615	585	550	525
	Double Type	2W 300	1750	1585	1450	1335	1235	1155	1080	1015	955	905	860
		2W 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 370	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 400	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2W 450	1500	1360	1240	1145	1060	990	925	870	820	775	735
		2W 500	1450	1315	1200	1105	1025	955	895	840	795	750	710
		2F 300	1750	1585	1450	1335	1235	1155	1080	1015	955	905	860
		2F 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2F 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 370	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 400	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		3F 385	1600	1450	1325	1220	1130	1055	985	925	875	825	785
		3F 430	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		3F 475	1500	1360	1240	1145	1060	990	925	870	820	775	735
		3F 515	1450	1315	1200	1105	1025	955	895	840	790	750	710
		3F 550	1350	1225	1120	1030	955	890	830	780	740	700	660
		3F 600	1100	995	910	840	775	725	680	635	600	570	540
		3F 650	700	635	580	535	495	460	430	405	380	360	345
		3F 700	550	500	455	420	390	360	340	320	300	285	270
		3V 360	1550	1410	1290	1190	1105	1035	970	910	860	815	775
		3V 405	1500	1365	1250	1155	1070	1000	935	880	835	790	750
		3V 450	1450	1320	1210	1115	1035	965	905	850	805	765	725
		3V 490	1400	1270	1165	1075	1000	935	875	825	775	735	700
		3V 525	1350	1225	1125	1040	965	900	845	795	750	710	675
		3V 575	1250	1135	1040	960	890	835	780	735	695	655	625
		3V 633	850	770	710	655	605	565	530	500	470	445	425
		3V 688	550	500	460	425	390	365	345	325	305	290	275

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 370	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2W 400	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		2W 450	1500	1360	1240	1145	1060	990	925	870	820	775	735
		2W 500	1400	1270	1160	1070	990	920	865	810	765	725	685
		2F 300	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2F 330	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 370	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2F 400	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		3F 385	1600	1450	1325	1220	1130	1055	985	925	875	825	785
		3F 430	1500	1360	1240	1145	1060	990	925	870	820	775	735
		3F 475	1450	1315	1200	1105	1025	955	895	840	790	750	710
		3F 515	1400	1270	1160	1065	990	920	865	810	765	725	685
		3F 550	1350	1225	1120	1030	955	890	830	780	740	700	660
		3F 600	850	770	705	650	600	560	525	490	465	440	415
		3V 360	1550	1410	1290	1190	1105	1035	970	910	860	815	775
		3V 405	1500	1365	1250	1155	1070	1000	935	880	835	790	750
		3V 450	1400	1270	1165	1075	1000	935	875	825	775	735	700
		3V 490	1350	1225	1125	1040	965	900	845	795	750	710	675
		3V 525	1250	1135	1040	960	890	835	780	735	695	655	625
		3V 575	1150	1045	960	885	820	765	720	675	640	605	575
	Double Type	2W 300	1750	1585	1450	1335	1235	1155	1080	1015	955	905	860
		2W 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2W 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 370	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2W 400	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		2W 450	1500	1360	1240	1145	1060	990	925	870	820	775	735
		2W 500	1450	1315	1200	1105	1025	955	895	840	795	750	710
		2F 300	1750	1585	1450	1335	1235	1155	1080	1015	955	905	860
		2F 330	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		2F 350	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 370	1650	1495	1365	1260	1165	1085	1015	955	900	855	810
		2F 400	1600	1450	1325	1220	1130	1055	985	925	875	830	785
		3F 385	1600	1450	1325	1220	1130	1055	985	925	875	825	785
		3F 430	1550	1405	1285	1180	1095	1020	955	900	845	800	760
		3F 475	1500	1360	1240	1145	1060	990	925	870	820	775	735
		3F 515	1450	1315	1200	1105	1025	955	895	840	790	750	710
		3F 550	1350	1225	1120	1030	955	890	830	780	740	700	660
		3F 600	1100	995	910	840	775	725	680	635	600	570	540
		3F 650	750	680	620	570	530	495	460	435	410	390	370
3F 700		600	545	495	455	425	395	370	345	330	310	295	
3V 360		1550	1410	1290	1190	1105	1035	970	910	860	815	775	
3V 405		1500	1365	1250	1155	1070	1000	935	880	835	790	750	
3V 450		1450	1320	1210	1115	1035	965	905	850	805	765	725	
3V 490		1400	1270	1165	1075	1000	935	875	825	775	735	700	
3V 525		1350	1225	1125	1040	965	900	845	795	750	710	675	
3V 575		1250	1135	1040	960	890	835	780	735	695	655	625	
3V 633		900	820	750	690	640	600	560	530	500	475	450	
3V 688		650	590	540	500	465	435	405	380	360	340	325	

Loading Capacity Side Shift-Integral Type

DX-15<Side Shift-integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic	Single Tyre	2W 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 400	1450	1310	1195	1095	1015	945	880	830	780	740	700
		2W 450	1400	1265	1155	1060	980	910	850	800	755	710	675
		2W 500	1350	1220	1110	1020	945	880	820	770	725	685	650
		2F 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 400	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 385	1500	1355	1235	1135	1050	975	910	855	805	765	725
		3F 430	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 475	1350	1220	1110	1020	945	880	820	770	725	685	650
		3F 515	1300	1175	1070	985	910	845	790	740	700	660	625
		3F 550	1200	1085	990	910	840	780	730	685	645	610	580
		3F 600	750	675	615	565	525	490	455	430	405	380	360
		3V 360	1450	1315	1200	1105	1025	955	895	840	795	750	715
		3V 405	1400	1270	1160	1070	990	925	865	810	765	725	690
		3V 450	1350	1225	1120	1030	955	890	835	785	740	700	665
		3V 490	1250	1130	1035	955	885	825	770	725	685	645	615
		3V 525	1200	1085	995	915	850	790	740	695	655	620	590
		3V 575	950	860	785	725	670	625	585	550	520	490	465
	Double Tyre	2W 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 400	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 450	1450	1310	1195	1095	1015	945	880	830	780	740	700
		2W 500	1400	1265	1155	1060	980	910	850	800	755	710	675
		2F 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 400	1500	1355	1235	1135	1050	975	915	855	805	765	725
3F 385		1500	1355	1235	1135	1050	975	910	855	805	765	725	
3F 430		1450	1310	1195	1095	1015	945	880	830	780	740	700	
3F 475		1350	1220	1110	1020	945	880	820	770	725	685	650	
3F 515		1300	1175	1070	985	910	845	790	740	700	660	625	
3F 550		1250	1130	1030	945	875	815	760	715	670	635	605	
3F 600		1050	950	865	795	735	685	640	600	565	535	505	
3F 650		750	675	615	565	525	490	455	430	405	380	360	
3F 700		650	585	535	490	455	425	395	370	350	330	315	
3V 360	1450	1315	1200	1105	1025	955	895	840	795	750	715		
3V 405	1400	1270	1160	1070	990	925	865	810	765	725	690		
3V 450	1350	1225	1120	1030	955	890	835	785	740	700	665		
3V 490	1250	1130	1035	955	885	825	770	725	685	645	615		
3V 525	1200	1085	995	915	850	790	740	695	655	620	590		
3V 575	1150	1040	955	875	815	760	710	665	630	595	565		
3V 633	850	770	705	650	600	560	525	495	465	440	420		
3V 688	700	635	580	535	495	460	430	405	385	360	345		

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 400	1450	1310	1195	1095	1015	945	880	830	780	740	700
		2W 450	1400	1265	1155	1060	980	910	850	800	755	710	675
		2W 500	1350	1220	1110	1020	945	880	820	770	725	685	650
		2F 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 400	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 385	1500	1355	1235	1135	1050	975	910	855	805	765	725
		3F 430	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 475	1350	1220	1110	1020	945	880	820	770	725	685	650
		3F 515	1300	1175	1070	985	910	845	790	740	700	660	625
		3F 550	1250	1130	1030	945	875	815	760	715	670	635	605
		3F 600	900	810	740	680	630	585	545	515	485	460	435
		3V 360	1450	1315	1200	1105	1025	955	895	840	795	750	715
		3V 405	1400	1270	1160	1070	990	925	865	810	765	725	690
		3V 450	1350	1225	1120	1030	955	890	835	785	740	700	665
		3V 490	1250	1130	1035	955	885	825	770	725	685	645	615
		3V 525	1200	1085	995	915	850	790	740	695	655	620	590
		3V 575	1050	950	870	800	740	690	650	610	575	545	515
	Double Tyre	2W 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 400	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2W 450	1450	1310	1195	1095	1015	945	880	830	780	740	700
		2W 500	1400	1265	1155	1060	980	910	850	800	755	710	675
		2F 300	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 330	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 350	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 370	1500	1355	1235	1135	1050	975	915	855	805	765	725
		2F 400	1500	1355	1235	1135	1050	975	915	855	805	765	725
		3F 385	1500	1355	1235	1135	1050	975	910	855	805	765	725
		3F 430	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 475	1350	1220	1110	1020	945	880	820	770	725	685	650
		3F 515	1300	1175	1070	985	910	845	790	740	700	660	625
		3F 550	1250	1130	1030	945	875	815	760	715	670	635	605
		3F 600	1100	995	905	830	770	715	670	630	590	560	530
		3F 650	800	720	660	605	560	520	485	455	430	405	385
3F 700		700	630	575	530	490	455	425	400	375	355	335	
3V 360		1450	1315	1200	1105	1025	955	895	840	795	750	715	
3V 405		1400	1270	1160	1070	990	925	865	810	765	725	690	
3V 450		1350	1225	1120	1030	955	890	835	785	740	700	665	
3V 490		1250	1130	1035	955	885	825	770	725	685	645	615	
3V 525		1200	1085	995	915	850	790	740	695	655	620	590	
3V 575		1150	1040	955	875	815	760	710	665	630	595	565	
3V 633		850	770	705	650	600	560	525	495	465	440	420	
3V 688		750	680	620	570	530	495	465	435	410	390	370	

DX-18<Side Shift-integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic	Single Type	2W 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 400	1650	1490	1360	1250	1155	1075	1005	945	890	840	800
		2W 450	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		2W 500	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		2F 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 400	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		3F 385	1700	1535	1400	1290	1190	1110	1035	975	915	865	820
		3F 430	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		3F 475	1500	1355	1235	1135	1050	980	915	860	810	765	725
		3F 515	1400	1265	1155	1060	980	915	855	800	755	715	675
		3F 550	1300	1175	1070	985	910	845	790	745	700	665	630
		3F 600	800	720	660	605	560	520	485	460	430	410	385
		3V 360	1650	1495	1370	1260	1170	1090	1020	960	905	855	815
		3V 405	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3V 450	1500	1360	1245	1145	1065	990	925	870	825	780	740
		3V 490	1400	1270	1160	1070	990	925	865	815	770	725	690
		3V 525	1250	1135	1035	955	885	825	775	725	685	650	615
		3V 575	1000	905	830	765	710	660	620	580	550	520	495
	Double Type	2W 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 400	1700	1535	1400	1290	1190	1110	1035	975	915	870	825
		2W 450	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		2W 500	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		2F 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 400	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		3F 385	1700	1535	1400	1290	1190	1110	1035	975	915	865	820
		3F 430	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		3F 475	1550	1400	1275	1175	1085	1010	945	885	835	790	750
		3F 515	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3F 550	1350	1220	1110	1020	945	880	825	775	730	690	655
		3F 600	1200	1085	990	910	840	780	730	685	645	610	580
		3F 650	800	720	660	605	560	520	485	460	430	410	385
		3F 700	700	630	575	530	490	455	425	400	375	355	340
		3V 360	1650	1495	1370	1260	1170	1090	1020	960	905	855	815
		3V 405	1600	1450	1325	1220	1135	1055	990	930	880	830	790
		3V 450	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3V 490	1450	1315	1200	1110	1025	955	895	845	795	755	715
		3V 525	1400	1270	1160	1070	990	925	865	815	770	725	690
		3V 575	1250	1135	1035	955	885	825	775	725	685	650	615
		3V 633	900	815	745	685	635	595	555	525	495	465	445
		3V 688	700	635	580	535	495	460	430	405	385	365	345

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 400	1650	1490	1360	1250	1155	1075	1005	945	890	840	800
		2W 450	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		2W 500	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		2F 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 400	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		3F 385	1700	1535	1400	1290	1190	1110	1035	975	915	865	820
		3F 430	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		3F 475	1500	1355	1235	1135	1050	980	915	860	810	765	725
		3F 515	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3F 550	1350	1220	1110	1020	945	880	825	775	730	690	655
		3F 600	950	860	785	720	665	620	580	545	510	485	460
		3V 360	1650	1495	1370	1260	1170	1090	1020	960	905	855	815
		3V 405	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3V 450	1500	1360	1245	1145	1065	990	925	870	825	780	740
		3V 490	1400	1270	1160	1070	990	925	865	815	770	725	690
		3V 525	1300	1180	1080	995	920	860	805	755	715	675	640
		3V 575	1100	995	910	840	780	725	680	640	605	570	540
	Double Type	2W 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2W 400	1700	1535	1400	1290	1190	1110	1035	975	915	870	825
		2W 450	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		2W 500	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		2F 300	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 330	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 350	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 370	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		2F 400	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		3F 385	1700	1535	1400	1290	1190	1110	1035	975	915	865	820
		3F 430	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		3F 475	1550	1400	1275	1175	1085	1010	945	885	835	790	750
		3F 515	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3F 550	1350	1220	1110	1020	945	880	825	775	730	690	655
		3F 600	1250	1130	1030	945	875	815	760	715	675	635	605
3F 650		850	770	700	645	595	555	520	485	460	435	410	
3F 700		750	675	620	570	525	490	455	430	405	380	365	
3V 360		1650	1495	1370	1260	1170	1090	1020	960	905	855	815	
3V 405		1600	1450	1325	1220	1135	1055	990	930	880	830	790	
3V 450		1550	1405	1285	1185	1100	1025	960	900	850	805	765	
3V 490		1450	1315	1200	1110	1025	955	895	845	795	755	715	
3V 525		1400	1270	1160	1070	990	925	865	815	770	725	690	
3V 575		1250	1135	1035	955	885	825	775	725	685	650	615	
3V 633		1000	905	830	765	710	660	620	580	550	520	495	
3V 688		800	725	665	610	565	530	495	465	440	415	395	

Loading Capacity Fork Positioner-Integral Type

DX-15<Fork Positioner-Integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500		
Mast name		mm												
Pneumatic	Single Tyre	2W 300	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2W 330	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2W 350	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2W 370	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2W 400	1300	1180	1080	995	925	860	810	760	715	680	645	
		2W 450	1250	1135	1040	960	890	830	775	730	690	655	620	
		2W 500	1200	1090	995	920	855	795	745	700	660	625	595	
		2F 300	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2F 330	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2F 350	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2F 370	1350	1225	1120	1035	960	895	840	790	745	705	670	
		2F 400	1300	1180	1080	995	925	860	810	760	715	680	645	
		3F 385	1350	1225	1120	1035	960	895	840	790	745	705	670	
		3F 430	1300	1180	1080	995	925	860	805	760	715	680	645	
		3F 475	1250	1135	1040	960	890	830	775	730	690	655	620	
		3F 515	1200	1090	995	920	855	795	745	700	660	625	595	
		3F 550	1100	1000	915	845	780	730	685	645	605	575	545	
		3F 600	650	590	540	500	460	430	405	380	360	340	320	
		3V 360	1300	1185	1085	1005	935	870	820	770	730	690	655	
		3V 405	1250	1140	1045	965	895	840	785	740	700	665	630	
		3V 450	1200	1090	1005	925	860	805	755	710	670	635	605	
		3V 490	1100	1000	920	850	790	740	690	650	615	585	555	
		3V 525	1050	955	875	810	755	705	660	620	590	555	530	
		3V 575	850	775	710	655	610	570	535	505	475	450	430	
		Double Tyre	2W 300	1350	1225	1120	1035	960	895	840	790	745	705	670
			2W 330	1350	1225	1120	1035	960	895	840	790	745	705	670
			2W 350	1350	1225	1120	1035	960	895	840	790	745	705	670
			2W 370	1350	1225	1120	1035	960	895	840	790	745	705	670
			2W 400	1350	1225	1120	1035	960	895	840	790	745	705	670
			2W 450	1300	1180	1080	995	925	860	810	760	715	680	645
			2W 500	1250	1135	1040	960	890	830	775	730	690	655	620
			2F 300	1350	1225	1120	1035	960	895	840	790	745	705	670
	2F 330		1350	1225	1120	1035	960	895	840	790	745	705	670	
	2F 350		1350	1225	1120	1035	960	895	840	790	745	705	670	
	2F 370		1350	1225	1120	1035	960	895	840	790	745	705	670	
	2F 400		1350	1225	1120	1035	960	895	840	790	745	705	670	
	3F 385		1350	1225	1120	1035	960	895	840	790	745	705	670	
	3F 430		1300	1180	1080	995	925	860	805	760	715	680	645	
	3F 475		1250	1135	1040	960	890	830	775	730	690	655	620	
	3F 515		1200	1090	995	920	855	795	745	700	660	625	595	
	3F 550		1150	1045	955	880	815	760	715	670	635	600	570	
	3F 600		950	860	790	730	675	630	590	555	525	495	470	
	3F 650		650	590	540	500	460	430	405	380	360	340	320	
	3F 700		600	545	500	460	425	395	370	350	330	315	295	
	3V 360	1300	1185	1085	1005	935	870	820	770	730	690	655		
	3V 405	1250	1140	1045	965	895	840	785	740	700	665	630		
	3V 450	1200	1090	1005	925	860	805	755	710	670	635	605		
	3V 490	1100	1000	920	850	790	740	690	650	615	585	555		
	3V 525	1050	955	875	810	755	705	660	620	590	555	530		
	3V 575	1000	910	835	770	720	670	630	595	560	530	505		
	3V 633	750	685	625	580	540	505	470	445	420	400	380		
	3V 688	600	545	500	465	430	400	375	355	335	320	300		

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 330	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 350	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 370	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 400	1300	1180	1080	995	925	860	810	760	715	680	645
		2W 450	1250	1135	1040	960	890	830	775	730	690	655	620
		2W 500	1200	1090	995	920	855	795	745	700	660	625	595
		2F 300	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 330	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 350	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 370	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 400	1300	1180	1080	995	925	860	810	760	715	680	645
		3F 385	1350	1225	1120	1035	960	895	840	790	745	705	670
		3F 430	1300	1180	1080	995	925	860	805	760	715	680	645
		3F 475	1250	1135	1040	960	890	830	775	730	690	655	620
		3F 515	1200	1090	995	920	855	795	745	700	660	625	595
		3F 550	1150	1045	955	880	815	760	715	670	635	600	570
		3F 600	800	725	665	615	570	530	495	465	440	420	395
		3V 360	1300	1185	1085	1005	935	870	820	770	730	690	655
		3V 405	1250	1140	1045	965	895	840	785	740	700	665	630
		3V 450	1200	1090	1005	925	860	805	755	710	670	635	605
		3V 490	1100	1000	920	850	790	740	690	650	615	585	555
		3V 525	1050	955	875	810	755	705	660	620	590	555	530
		3V 575	950	865	795	735	680	635	600	565	530	505	480
	Double Tyre	2W 300	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 330	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 350	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 370	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 400	1350	1225	1120	1035	960	895	840	790	745	705	670
		2W 450	1300	1180	1080	995	925	860	810	760	715	680	645
		2W 500	1250	1135	1040	960	890	830	775	730	690	655	620
		2F 300	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 330	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 350	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 370	1350	1225	1120	1035	960	895	840	790	745	705	670
		2F 400	1350	1225	1120	1035	960	895	840	790	745	705	670
		3F 385	1350	1225	1120	1035	960	895	840	790	745	705	670
		3F 430	1300	1180	1080	995	925	860	805	760	715	680	645
		3F 475	1250	1135	1040	960	890	830	775	730	690	655	620
		3F 515	1200	1090	995	920	855	795	745	700	660	625	595
		3F 550	1150	1045	955	880	815	760	715	670	635	600	570
		3F 600	1000	905	830	765	710	665	620	585	550	520	495
		3F 650	700	635	580	535	495	465	435	410	385	365	345
		3F 700	650	590	540	500	460	430	405	380	360	340	320
3V 360	1300	1185	1085	1005	935	870	820	770	730	690	655		
3V 405	1250	1140	1045	965	895	840	785	740	700	665	630		
3V 450	1200	1090	1005	925	860	805	755	710	670	635	605		
3V 490	1100	1000	920	850	790	740	690	650	615	585	555		
3V 525	1050	955	875	810	755	705	660	620	590	555	530		
3V 575	1000	910	835	770	720	670	630	595	560	530	505		
3V 633	750	685	625	580	540	505	470	445	420	400	380		
3V 688	650	590	545	500	465	435	410	385	365	345	330		

DX-18<Fork Positioner-Integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic	Single Type	2W 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 400	1500	1360	1250	1150	1070	995	935	880	830	785	745
		2W 450	1450	1315	1205	1115	1035	965	905	850	800	760	720
		2W 500	1400	1270	1165	1075	995	930	870	820	775	735	695
		2F 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 400	1500	1360	1250	1150	1070	995	935	880	830	785	745
		3F 385	1550	1405	1290	1190	1105	1030	965	905	855	810	770
		3F 430	1450	1315	1205	1110	1030	965	900	850	800	760	720
		3F 475	1400	1270	1165	1075	995	930	870	820	775	735	695
		3F 515	1300	1180	1080	995	925	865	810	760	720	680	645
		3F 550	1200	1090	1000	920	855	795	745	700	665	630	595
		3F 600	700	635	580	535	500	465	435	410	385	365	350
		3V 360	1500	1365	1255	1160	1080	1010	945	890	840	800	760
		3V 405	1400	1275	1170	1085	1005	940	885	830	785	745	710
	3V 450	1350	1230	1130	1045	970	905	850	800	760	720	685	
	3V 490	1250	1140	1045	965	900	840	790	740	700	665	630	
	3V 525	1100	1000	920	850	790	740	695	655	615	585	555	
	3V 575	900	820	755	695	645	605	565	535	505	480	455	
	Double Type	2W 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 400	1550	1405	1290	1190	1105	1030	965	910	855	810	770
		2W 450	1450	1315	1205	1115	1035	965	905	850	800	760	720
		2W 500	1400	1270	1165	1075	995	930	870	820	775	735	695
		2F 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 400	1550	1405	1290	1190	1105	1030	965	910	855	810	770
		3F 385	1550	1405	1290	1190	1105	1030	965	905	855	810	770
		3F 430	1450	1315	1205	1110	1030	965	900	850	800	760	720
		3F 475	1400	1270	1165	1075	995	930	870	820	775	735	695
		3F 515	1350	1225	1125	1035	960	895	840	790	745	705	670
		3F 550	1250	1135	1040	960	890	830	780	730	690	655	620
		3F 600	1100	1000	915	845	785	730	685	645	610	575	545
		3F 650	700	635	580	535	500	465	435	410	385	365	350
		3F 700	650	590	540	500	460	430	405	380	360	340	325
		3V 360	1500	1365	1255	1160	1080	1010	945	890	840	800	760
		3V 405	1450	1320	1215	1120	1040	975	915	860	815	770	735
		3V 450	1400	1275	1170	1085	1005	940	885	830	785	745	710
		3V 490	1300	1185	1085	1005	935	875	820	770	730	690	660
		3V 525	1250	1140	1045	965	900	840	790	740	700	665	630
		3V 575	1100	1000	920	850	790	740	695	655	615	585	555
		3V 633	800	730	670	620	575	535	505	475	450	425	405
		3V 688	600	545	500	465	430	405	380	355	335	320	305

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Type	2W 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 400	1500	1360	1250	1150	1070	995	935	880	830	785	745
		2W 450	1450	1315	1205	1115	1035	965	905	850	800	760	720
		2W 500	1400	1270	1165	1075	995	930	870	820	775	735	695
		2F 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 400	1500	1360	1250	1150	1070	995	935	880	830	785	745
		3F 385	1550	1405	1290	1190	1105	1030	965	905	855	810	770
		3F 430	1450	1315	1205	1110	1030	965	900	850	800	760	720
		3F 475	1400	1270	1165	1075	995	930	870	820	775	735	695
		3F 515	1350	1225	1125	1035	960	895	840	790	745	705	670
		3F 550	1250	1135	1040	960	890	830	780	730	690	655	620
		3F 600	850	770	705	650	605	565	530	495	470	445	420
	3V 360	1500	1365	1255	1160	1080	1010	945	890	840	800	760	
	3V 405	1400	1275	1170	1085	1005	940	885	830	785	745	710	
	3V 450	1350	1230	1130	1045	970	905	850	800	760	720	685	
	3V 490	1250	1140	1045	965	900	840	790	740	700	665	630	
	3V 525	1150	1045	960	890	825	770	725	685	645	610	580	
	3V 575	1000	910	835	775	720	670	630	595	560	530	505	
	Double Type	2W 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2W 400	1550	1405	1290	1190	1105	1030	965	910	855	810	770
		2W 450	1450	1315	1205	1115	1035	965	905	850	800	760	720
		2W 500	1400	1270	1165	1075	995	930	870	820	775	735	695
		2F 300	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 330	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 350	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 370	1600	1455	1330	1230	1140	1065	995	935	885	840	795
		2F 400	1550	1405	1290	1190	1105	1030	965	910	855	810	770
		3F 385	1550	1405	1290	1190	1105	1030	965	905	855	810	770
		3F 430	1450	1315	1205	1110	1030	965	900	850	800	760	720
		3F 475	1400	1270	1165	1075	995	930	870	820	775	735	695
		3F 515	1350	1225	1125	1035	960	895	840	790	745	705	670
		3F 550	1250	1135	1040	960	890	830	780	730	690	655	620
		3F 600	1150	1045	955	880	820	765	715	675	635	600	570
		3F 650	750	680	625	575	535	500	465	440	415	390	375
3F 700		700	635	580	535	500	465	435	410	385	365	350	
3V 360		1500	1365	1255	1160	1080	1010	945	890	840	800	760	
3V 405		1450	1320	1215	1120	1040	975	915	860	815	770	735	
3V 450		1400	1275	1170	1085	1005	940	885	830	785	745	710	
3V 490		1300	1185	1085	1005	935	875	820	770	730	690	660	
3V 525		1250	1140	1045	965	900	840	790	740	700	665	630	
3V 575	1100	1000	920	850	790	740	695	655	615	585	555		
3V 633	900	820	755	695	645	605	565	535	505	480	455		
3V 688	700	635	585	540	505	470	440	415	395	370	355		

Truck Weight (With 1100 mm forks)

		Unit:kg							
		P1D1A15LQ	Y1D1A15Q	P1D1A15LQ	Y1D1A15Q	P1D1A18LQ	Y1D1A18Q	P1D1A18LQ	Y1D1A18Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	2625	2765	2680	2820	2845	2985	2900	3040
	2W 330	2645	2785	2700	2840	2865	3005	2920	3060
	2W 350	2665	2805	2720	2860	2880	3020	2935	3075
	2W 370	2700	2840	2755	2895	2915	3055	2970	3110
	2W 400	2725	2865	2780	2920	2940	3080	2995	3135
	2W 450	2760	2895	2815	2950	2975	3115	3030	3170
	2W 500	2790	2930	2845	2985	3010	3145	3065	3200
	2F 300	2615	2755	2670	2810	2835	2970	2890	3025
	2F 330	2635	2775	2690	2830	2855	2990	2910	3045
	2F 350	2655	2795	2710	2850	2875	3010	2930	3065
	2F 370	2685	2825	2740	2880	2905	3040	2960	3095
	2F 400	2710	2850	2765	2905	2930	3070	2985	3125
	3F 385	2780	2915	2835	2970	2995	3130	3050	3185
	3F 430	2805	2945	2860	3000	3020	3160	3075	3215
	3F 475	2835	2975	2890	3030	3050	3190	3105	3245
	3F 515	2860	3000	2915	3055	3075	3215	3130	3270
	3F 550	2915	3055	2970	3110	3130	3270	3185	3325
	3F 600	2955	3090	3010	3145	3170	3305	3225	3360
	3V 360	2805	2945	2860	3000	3015	3155	3070	3210
	3V 405	2835	2975	2890	3030	3045	3185	3100	3240
	3V 450	2865	3005	2920	3060	3075	3215	3130	3270
	3V 490	2890	3030	2945	3085	3100	3240	3155	3295
	3V 525	2955	3090	3010	3145	3165	3300	3220	3355
	3V 575	2990	3130	3045	3185	3200	3340	3255	3395
	Truck Weight without mast	2095	2235	2150	2290	2295	2435	2350	2490
Double Tyre	2W 300	2675	2815	2765	2905	2895	3035	2985	3125
	2W 330	2695	2835	2785	2925	2915	3055	3005	3145
	2W 350	2715	2855	2805	2945	2930	3070	3020	3160
	2W 370	2750	2890	2840	2980	2965	3105	3055	3195
	2W 400	2775	2915	2865	3005	2990	3130	3080	3220
	2W 450	2810	2945	2900	3035	3025	3165	3115	3255
	2W 500	2840	2980	2930	3070	3060	3195	3150	3285
	2F 300	2665	2805	2755	2895	2885	3020	2975	3110
	2F 330	2685	2825	2775	2915	2905	3040	2995	3130
	2F 350	2705	2845	2795	2935	2925	3060	3015	3150
	2F 370	2735	2875	2825	2965	2955	3090	3045	3180
	2F 400	2760	2900	2850	2990	2980	3120	3070	3210
	3F 385	2830	2965	2920	3055	3045	3180	3135	3270
	3F 430	2855	2995	2945	3085	3070	3210	3160	3300
	3F 475	2885	3025	2975	3115	3100	3240	3190	3330
	3F 515	2910	3050	3000	3140	3125	3265	3215	3355
	3F 550	2965	3105	3055	3195	3180	3320	3270	3410
	3F 600	3005	3140	3095	3230	3220	3355	3310	3445
	3F 650	3050	3190	3140	3280	3265	3400	3355	3490
	3F 700	3100	3235	3190	3325	3310	3450	3400	3540
	3V 360	2855	2995	2945	3085	3065	3205	3155	3295
	3V 405	2885	3025	2975	3115	3095	3235	3185	3325
	3V 450	2915	3055	3005	3145	3125	3265	3215	3355
	3V 490	2940	3080	3030	3170	3150	3290	3240	3380
	3V 525	3005	3140	3095	3230	3215	3350	3305	3440
	3V 575	3040	3180	3130	3270	3250	3390	3340	3480
	3V 633	3090	3230	3180	3320	3300	3440	3390	3530
	3V 688	3140	3275	3230	3365	3350	3485	3440	3575
	Truck Weight without mast	2145	2285	2235	2375	2345	2485	2435	2575

Truck Weight (With 1100 mm forks & Side Shift-Hook On Type)

Unit:kg									
		P1D1A15LQ	Y1D1A15Q	P1D1A15LQ	Y1D1A15Q	P1D1A18LQ	Y1D1A18Q	P1D1A18LQ	Y1D1A18Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	2690	2830	2745	2885	2900	3040	2955	3095
	2W 330	2710	2850	2765	2905	2920	3060	2975	3115
	2W 350	2730	2865	2785	2920	2935	3075	2990	3130
	2W 370	2760	2900	2815	2955	2970	3110	3025	3165
	2W 400	2785	2925	2840	2980	2995	3135	3050	3190
	2W 450	2820	2960	2875	3015	3030	3170	3085	3225
	2W 500	2855	2990	2910	3045	3065	3200	3120	3255
	2F 300	2685	2825	2740	2880	2895	3035	2950	3090
	2F 330	2705	2845	2760	2900	2915	3050	2970	3105
	2F 350	2725	2860	2780	2915	2935	3070	2990	3125
	2F 370	2755	2895	2810	2950	2965	3100	3020	3155
	2F 400	2780	2920	2835	2975	2990	3130	3045	3185
	3F 385	2845	2980	2900	3035	3055	3190	3110	3245
	3F 430	2870	3010	2925	3065	3080	3220	3135	3275
	3F 475	2900	3040	2955	3095	3110	3250	3165	3305
	3F 515	2925	3065	2980	3120	3135	3275	3190	3330
	3F 550	2980	3120	3035	3175	3190	3330	3245	3385
	3F 600	3020	3155	3075	3210	3230	3365	3285	3420
	3V 360	2865	3005	2920	3060	3075	3215	3130	3270
	3V 405	2895	3035	2950	3090	3105	3245	3160	3300
	3V 450	2925	3065	2980	3120	3135	3275	3190	3330
	3V 490	2950	3090	3005	3145	3160	3300	3215	3355
	3V 525	3015	3150	3070	3205	3225	3360	3280	3415
	3V 575	3050	3190	3105	3245	3260	3400	3315	3455
	Truck Weight without mast	2100	2240	2155	2295	2295	2435	2350	2490
Double Tyre	2W 300	2740	2880	2830	2970	2950	3090	3040	3180
	2W 330	2760	2900	2850	2990	2970	3110	3060	3200
	2W 350	2780	2915	2870	3005	2985	3125	3075	3215
	2W 370	2810	2950	2900	3040	3020	3160	3110	3250
	2W 400	2835	2975	2925	3065	3045	3185	3135	3275
	2W 450	2870	3010	2960	3100	3080	3220	3170	3310
	2W 500	2905	3040	2995	3130	3115	3250	3205	3340
	2F 300	2735	2875	2825	2965	2945	3085	3035	3175
	2F 330	2755	2895	2845	2985	2965	3100	3055	3190
	2F 350	2775	2910	2865	3000	2985	3120	3075	3210
	2F 370	2805	2945	2895	3035	3015	3150	3105	3240
	2F 400	2830	2970	2920	3060	3040	3180	3130	3270
	3F 385	2895	3030	2985	3120	3105	3240	3195	3330
	3F 430	2920	3060	3010	3150	3130	3270	3220	3360
	3F 475	2950	3090	3040	3180	3160	3300	3250	3390
	3F 515	2975	3115	3065	3205	3185	3325	3275	3415
	3F 550	3030	3170	3120	3260	3240	3380	3330	3470
	3F 600	3070	3205	3160	3295	3280	3415	3370	3505
	3F 650	3115	3255	3205	3345	3325	3465	3415	3555
	3F 700	3165	3300	3255	3390	3370	3510	3460	3600
	3V 360	2915	3055	3005	3145	3125	3265	3215	3355
	3V 405	2945	3085	3035	3175	3155	3295	3245	3385
	3V 450	2975	3115	3065	3205	3185	3325	3275	3415
	3V 490	3000	3140	3090	3230	3210	3350	3300	3440
	3V 525	3065	3200	3155	3290	3275	3410	3365	3500
	3V 575	3100	3240	3190	3330	3310	3450	3400	3540
	3V 633	3150	3290	3240	3380	3360	3500	3450	3590
	3V 688	3200	3335	3290	3425	3410	3545	3500	3635
	Truck Weight without mast	2150	2290	2240	2380	2345	2485	2435	2575

Truck Weight (With 1100 mm forks & Side Shift-Integral Type)

Unit:kg									
		P1D1A15LQ	Y1D1A15Q	P1D1A15LQ	Y1D1A15Q	P1D1A18LQ	Y1D1A18Q	P1D1A18LQ	Y1D1A18Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	2680	2820	2735	2875	2890	3030	2945	3085
	2W 330	2700	2840	2755	2895	2910	3050	2965	3105
	2W 350	2720	2860	2775	2915	2930	3065	2985	3120
	2W 370	2755	2890	2810	2945	2965	3100	3020	3155
	2W 400	2780	2915	2835	2970	2990	3125	3045	3180
	2W 450	2810	2950	2865	3005	3020	3160	3075	3215
	2W 500	2845	2985	2900	3040	3055	3195	3110	3250
	2F 300	2680	2815	2735	2870	2890	3025	2945	3080
	2F 330	2695	2835	2750	2890	2905	3045	2960	3100
	2F 350	2715	2855	2770	2910	2925	3065	2980	3120
	2F 370	2745	2885	2800	2940	2955	3095	3010	3150
	2F 400	2775	2910	2830	2965	2985	3120	3040	3175
	3F 385	2835	2970	2890	3025	3040	3180	3095	3235
	3F 430	2860	3000	2915	3055	3070	3210	3125	3265
	3F 475	2890	3030	2945	3085	3100	3240	3155	3295
	3F 515	2915	3055	2970	3110	3125	3265	3180	3320
	3F 550	2970	3110	3025	3165	3180	3320	3235	3375
	3F 600	3010	3145	3065	3200	3215	3355	3270	3410
	3V 360	2855	2995	2910	3050	3065	3205	3120	3260
	3V 405	2885	3025	2940	3080	3095	3235	3150	3290
	3V 450	2915	3055	2970	3110	3125	3265	3180	3320
	3V 490	2940	3080	2995	3135	3150	3290	3205	3345
	3V 525	3000	3140	3055	3195	3210	3350	3265	3405
	3V 575	3040	3180	3095	3235	3250	3390	3305	3445
	Truck Weight without mast	2095	2235	2150	2290	2295	2435	2350	2490
Double Tyre	2W 300	2730	2870	2820	2960	2940	3080	3030	3170
	2W 330	2750	2890	2840	2980	2960	3100	3050	3190
	2W 350	2770	2910	2860	3000	2980	3115	3070	3205
	2W 370	2805	2940	2895	3030	3015	3150	3105	3240
	2W 400	2830	2965	2920	3055	3040	3175	3130	3265
	2W 450	2860	3000	2950	3090	3070	3210	3160	3300
	2W 500	2895	3035	2985	3125	3105	3245	3195	3335
	2F 300	2730	2865	2820	2955	2940	3075	3030	3165
	2F 330	2745	2885	2835	2975	2955	3095	3045	3185
	2F 350	2765	2905	2855	2995	2975	3115	3065	3205
	2F 370	2795	2935	2885	3025	3005	3145	3095	3235
	2F 400	2825	2960	2915	3050	3035	3170	3125	3260
	3F 385	2885	3020	2975	3110	3090	3230	3180	3320
	3F 430	2910	3050	3000	3140	3120	3260	3210	3350
	3F 475	2940	3080	3030	3170	3150	3290	3240	3380
	3F 515	2965	3105	3055	3195	3175	3315	3265	3405
	3F 550	3020	3160	3110	3250	3230	3370	3320	3460
	3F 600	3060	3195	3150	3285	3265	3405	3355	3495
	3F 650	3105	3245	3195	3335	3315	3450	3405	3540
	3F 700	3150	3290	3240	3380	3360	3500	3450	3590
	3V 360	2905	3045	2995	3135	3115	3255	3205	3345
	3V 405	2935	3075	3025	3165	3145	3285	3235	3375
	3V 450	2965	3105	3055	3195	3175	3315	3265	3405
	3V 490	2990	3130	3080	3220	3200	3340	3290	3430
	3V 525	3050	3190	3140	3280	3260	3400	3350	3490
	3V 575	3090	3230	3180	3320	3300	3440	3390	3530
	3V 633	3140	3275	3230	3365	3350	3485	3440	3575
	3V 688	3190	3325	3280	3415	3400	3535	3490	3625
	Truck Weight without mast	2145	2285	2235	2375	2345	2485	2435	2575

DX

Additional Truck Weight

■ CABIN		Unit:kg
Model (Capacity code)		15-18
Steel Cabin		+90

■ FORKS		Unit:kg	
Model (Capacity code)		15	18
Fork length mm	Less fork	-85	-95
	1000	-5	-5
	1100	±0	±0
	1200	+5	+5
	1300	+10	+15
	1400	+15	+20
	1500	+20	+25

■ CARRIAGE & BACKREST		Unit:kg
Carriage	Backrest	15-18
Standard	Standard	±0
	High	+10
	Less backrest	-20
Wide	Wide & High	+40
	Less backrest	+5

Supplement Data

Standard specification

Item	Model				DX-15		DX-18	
					LPG	Diesel	LPG	Diesel
					1.5 ton	1.5 ton	1.5 ton	1.5 ton
DIMENSIONS	W	Overall width	Double Tyre	mm	1480	1480	1480	1480
	Or	Rear overhang		mm	445	445	480	480
	Tf	Front tread	Double Tyre	mm	1095	1095	1095	1095
	As	Right angle stacking aisle width		mm	2370	2370	2405	2405
	Ai	Right angle intersecting aisle width		mm	1820	1820	1835	1835
	Hf	Floor height		mm	670	670	670	670
	Hp	Step height		mm	450	450	450	450
	Hh	Head room		mm	1060	1060	1060	1060
	Hc	Counterweight height		mm	1070	1070	1070	1070
	Hb	Backrest height		mm	910	910	910	910
	Sw	Max. fork spread		mm	910	910	910	910
	Sn	Min. fork spread		mm	205	205	205	205
	Gf	Ground clearance under frame		mm	145	145	145	145
	θr	Ramp breakover angle	tan $\theta\%$		55	55	55	55
	θd	Departure angle	tan $\theta\%$		52	52	47	47
	θa	Approach angle	tan $\theta\%$		55	55	55	55
ENGINE	Rated torque	JIS	N-m/rpm		151/2400	162/1800	151/2400	162/1800

Low noise specification

Item	Model		DX-15		DX-18			
			LPG	Diesel	LPG	Diesel		
PERFORMANCE	Travel speed		loaded	16,5	17	16,5	17	
			unloaded	16,5	17	16,5	17	
	Drawbar pull		loaded	14,3	15,5	14,3	510	
			unloaded	9,1	9,3	9,1	540	
	Gradeability		loaded	37	40	33	35	
			unloaded	23	21	20	18	
	Acceleration		loaded	4,6	4,6	4,9	4,8	
			unloaded	4	4,1	4,1	4,2	
	Lifting speed	2W mast		loaded	440	510	440	520
				unloaded	460	540	460	540
		2F mast		loaded	420	500	420	500
				unloaded	450	530	450	530
		3F mast		loaded	430	500	430	500
				unloaded	450	530	450	530
		3V mast		loaded	390	450	390	450
				unloaded	410	480	410	480
	Lowering speed	2W mast		loaded	520	520	520	520
				unloaded	520	520	520	520
		2F mast		loaded	480	480	480	480
				unloaded	310	310	310	310
		3F mast		loaded	480	480	480	480
				unloaded	370	370	370	370
		3V mast		loaded	480	480	480	480
				unloaded	370	370	370	370
	Noise level at operator's ear according EN12053			76	77	76	77	

Option Availability

		●...Standard ○...Option			
		DX-15		DX-18	
		LPG	Diesel	LPG	Diesel
Truck management	VCM	●	●	●	●
Engine	ECCS	●	-	●	-
	Auto glow and auto stop	-	●	-	●
	Anti-restart system	●	●	●	●
	Neutral-start switch	●	●	●	●
	Auto choke	●	-	●	-
	F-shaped pitch cooling fan	●	●	●	●
	Double fan belts	-	●	-	●
	Speed Selector	○	-	○	-
	Power / Eco Selector	●	-	●	-
Cooling system	Corrugated fin type aluminium radiator	●	●	●	●
	Oil cooler (Radiator built-in type)	●	●	●	●
	Radiator screen	○	○	○	○
	50% density LLC (non-amine)	●	●	●	●
Intake system	Super air intake system	●	●	●	●
	Cyclone air cleaner	●	●	●	●
	Low noise air intake system	-	●	-	●
	Double element	-	○	-	○
Exhaust system	Low muffler	●	●	●	●
	3-way catalytic muffler	●	-	●	-
	Pre-muffler	-	●	-	●
	Over head muffler	○	○	○	○
LPG system	Without LPG bottle (with swing back type bracket)	●	-	●	-
	Without LPG bottle (with swing down type bracket)	-	-	○	-
	Without LPG bottle, bottle bracket	○	-	○	-
Hydraulic control system	Mechanical 3 spool valve	●	●	●	●
	Mechanical 4 spool valve	○	○	○	○
	Electrical 3 spool valve	○	○	○	○
	Electrical 4 spool valve	○	○	○	○
	Mechanical control lever (single type)	●	●	●	●
	Mechanical control lever (twin type)	○	○	○	○
	Fingertip control lever (single type)	○	○	○	○
	Fingertip control lever (twin type)	○	○	○	○
	3 spool piping to carriage	○	○	○	○
	4 spool piping to carriage	○	○	○	○
Mast	2-stage super wide view mast (2W)	●	●	●	●
	2-stage full free mast (2F)	○	○	○	○
	3-stage full free mast (3F)	○	○	○	○
	3-stage full free wide view mast (3V) OPTIVIEW	○	○	○	○
	Mast less	○	○	○	○
	Tilt cylinder bellows	○	○	○	○
Carriage & backrest	Standard carriage	●	●	●	●
	Wide carriage	○	○	○	○
	High backrest	○	○	○	○
	Wide & high backrest	○	○	○	○
	Less backrest	○	○	○	○
Fork	Long fork	○	○	○	○
	Fork less	○	○	○	○
Attachment	Side shift	○	○	○	○
	Integral side shift	○	○	○	○
Steering system	Small diameter steering wheel	●	●	●	●
	2 stage tilt steering wheel	●	●	●	●
	Steering wheel height adjusting system	●	●	●	●
	Hydraulic power steering system	●	●	●	●

Option Availability

●...Standard ○...Option

		DX-15		DX-18	
		LPG	Diesel	LPG	Diesel
Switch	Turn signal switch (auto cancel type)	●	●	●	●
	Electrical forward & reverse switch (arm-rest)	○	○	○	○
	Electrical forward & reverse switch (steering column)	●	●	●	●
Body	Super floating cab	●	●	●	●
	Upward open engine hood	●	●	●	●
	Damper stay for engine hood opening	●	●	●	●
	Quick release fuel cap	-	●	-	●
	Cup holder	●	●	●	●
	Instrument tray	○	○	○	○
	Getting on & off assist rubber	●	●	●	●
	Rearview mirrors	○	○	○	○
Cabin	Steel cabin	○	○	○	○
	Steel cabin with heater	○	○	○	○
Seat	Restraint seat with suspension system	●	●	●	●
Meters & gauge	Fuel gauge	-	●	-	●
	Water temperature gauges	●	●	●	●
	Hour meter	●	●	●	●
Light	Headlight guard	○	○	○	○
	Back operation lamp	○	○	○	○
	Rotating light	○	○	○	○
	Turn signal lamps	○	○	○	○
	Rear combination lamps	○	○	○	○
Instruments (Multifunctional LCD Meter)	Water separator warning	-	●	-	●
	Engine oil pressure warning	●	●	●	●
	Glow plug indicator	-	●	-	●
	Seat belt warning	●	●	●	●
	Parking brake warning	●	●	●	●
	Battery charger warning	●	●	●	●
	Multipurpose warning	●	●	●	●
	Check engine warning	●	-	●	-
	Directional indicator	●	●	●	●
	Clock / calendar	●	●	●	●
	Speedometer	●	●	●	●
	Torque converter oil temperature warning	●	●	●	●
	Mast lock warning	●	●	●	●
	A/T power cut-off warning	●	●	●	●
	LPG low fuel warning	○	-	○	-
	Air cleaner plugging warning	●	●	●	●
	Radiator water level warning	●	●	●	●
	PIN Access	●	●	●	●
	Self-diagnosis System	●	●	●	●
	Service Reminder System	●	●	●	●
Warning buzzer	Back-up buzzer	●	●	●	●
	Parking brake warning buzzer	●	●	●	●
Brake	Toggle joint type parking brake with warning buzzer	●	●	●	●
Tyres	Pneumatic	●	●	●	●
	Double pneumatic tyre	○	○	○	○
	Radial tyre	○	○	○	○
	Pneumatic type solid (super elastic)	○	○	○	○
	Double pneumatic type solid (super elastic)	○	○	○	○
	Clean tyre (non-marking super elastic)	○	○	○	○
Label	Spanish	○	○	○	○
	English	●	●	●	●
	French	○	○	○	○
	German	○	○	○	○

DX

Fork Dimensions

	Width [W] x Thickness [T] mm (in)	
	DX-15	DX-18
ALL Lengths	100 x 35 (3.94 x 1.38)	100 x 40 (3.94 x 1.57)

Carriage & Backrest Dimensions

■ Carriage

Model		DX-15	DX-18
Class		Class II	
Numbers of rollers (not include side rollers)	2W	6	6
	2F		
	3F	6	6
	3V	4	4
Carriage width [W] mm (in)	Standard	920 (36.2)	
	Wide	1335 (52.6)	
	Extra wide	-	
Max. fork spread mm (in)	Standard	900 (35.4)	
	Wide	1315 (51.8)	
	Extra wide	-	

■ Backrest

Model		1DX-15	1DX-18
Backrest Height [H] mm (in)	Standard	910 (35.8)	905 (35.6)
	High backrest	1220 (48.0)	1215 (47.8)
	Wide backrest	1220 (48.0)	1215 (47.8)
	Extra wide backrest	-	-
Backrest width [w] mm (in)	Standard & high backrest	920 (36.2)	920 (36.2)
	Wide backrest	1335 (52.6)	1335 (52.6)
	Extra wide backrest	-	-
Plate thickness [T] mm (in)		12 (0.5)	12 (0.5)

Unit Specification

		P1D1-Q	Y1D1-Q
ENGINE SYSTEM	Model	K21	QD32
	Classification	LPG	Diesel
	Cycle	4	
	Type	4 cylinder in-line OHV	
	Displacement cm ³	2065	3153
	Bore x Stroke mm	89x83	99.2x102
	Compression ratio	8.7	22
	Air cleaner	Cyclone type, dry element	
	Governor	-	Mechanical type
	Oil filter	Cartridge type	
	Oil pump	Gear type	
	Injection pump	Electronic fuel injection type (SPI)	VE type
	Fuel pump	Diaphragm type	-
	Water pump	Centrifuge type	
	Radiator	Corrugated fin	
	Battery	12V-27AH	12V-70AH
	Alternator	12V-50AH	12V-60AH
	Starter motor	12V-1.2kW (Conventional type)	12V-2.0kW(Reduction type)
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed, With neutral start switch, Wet multi-disc hydraulic clutch
STEERING SYSTEM	Type	Fully hydrostatic power steering	
	Steering unit	ORBITROL	
	Power cylinder	Mounted on steering axle	
	Steering wheel	Tilting type	
DRIVE AXLE	Type	Full floating type	
	Final gear	Hypoid gear	
STEERING AXLE	Type	Built-in hydraulic cylinder type Casting body	
BRAKE SYSTEM	Service brake	DSSA25	
	Parking brake	Dead point lock type	
FRAME & BODY	Frame structure	Integral, All welded frame	
	Overhead guard	Strength conforms to ISO, ANSI standards	
	Fuel tank	-	49 litters
	Hydraulic oil tank	35.9 litters (Upper limit on level gauge)	
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering	
	Control valve	Sectional type with tilt lock valve	
	Lift cylinder MC/FTC	Without flow regulator valve / With flow regulator valve	
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit	
LOADING SYSTEM	Mast	Chain layout: outside of mast rail	
	Carriage	Class II	
	Forks	Forged alloy steel, Hook type, Conforms to ITA standard	
INSTRUMENTS	Gauge & meter (LCD)	Directional indicator / Fuel & water temperature gauge / Hour meter / Clock / Calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / Water separator warning	
	Warning lamp (LED)	Multipurpose warning / Glow plug indicator / Oil pressure warning / Charge warning / Brake warning / Sarbelt warning	
	Switch & knob	Lighting turn signal switch / Ignition switch	

DX

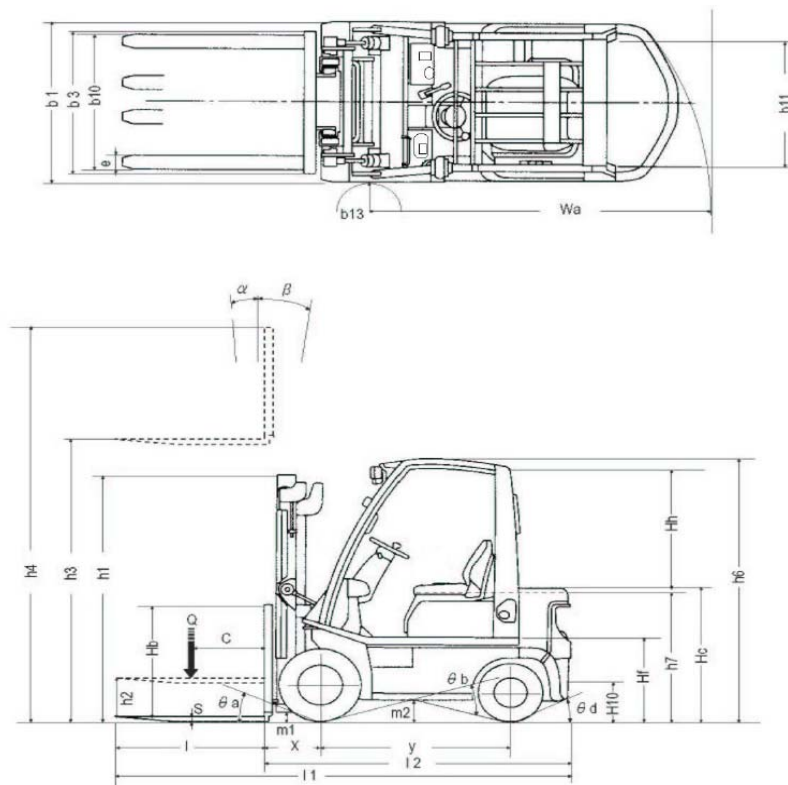
2.0



3.2 ton

at 500 mm

Load Center



Mast Specifications & Rated Capacities

DX-20

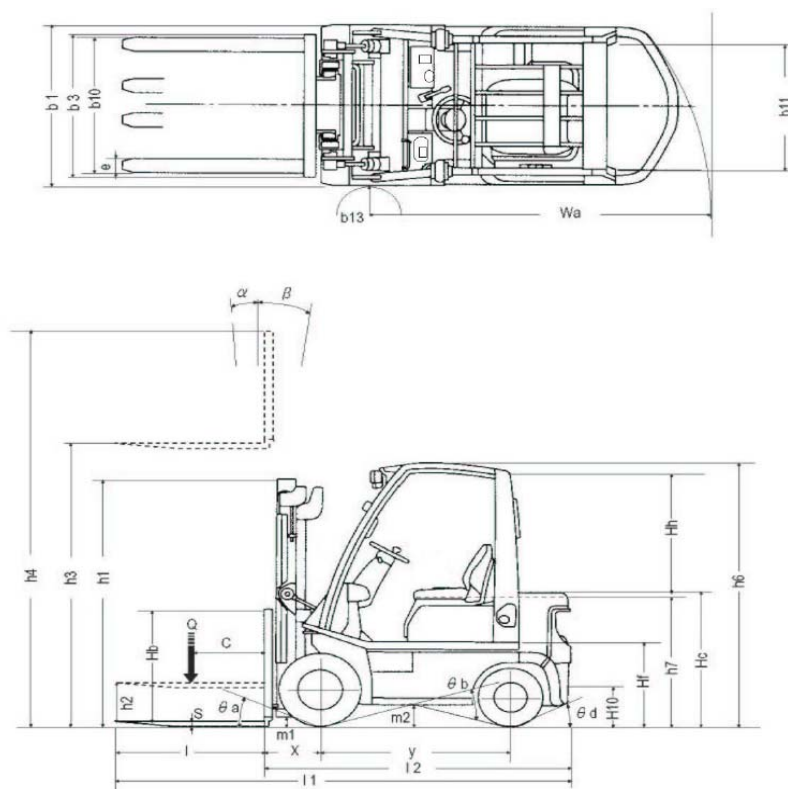
Mast type	Mast name	Max. fork height	Overall height			Free lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest		Forward/backward	Load centre 500 mm
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two stage (Wide view 2W)	2W300	3000	1995	3640	4045	155	155	455	6/12	2000
	2W330	3300	2145	3940	4345					2000
	2W350	3500	2280	4140	4545					2000
	2W370	3700	2405	4340	4745					2000
	2W400	4000	2595	4640	5045				6/6	2000
	2W450	4500	2845	5140	5545					1950
	2W500	5000	3095	5640	6045					1850
Two stage (Full free 2F)	2F300	3000	1995	3675	4045	1360	990	455	6/12	2000
	2F330	3300	2145	3975	4345	1510	1140			2000
	2F350	3500	2280	4175	4545	1645	1275			2000
	2F370	3700	2405	4375	4745	1770	1400			2000
	2F400	4000	2595	4675	5045	1960	1590		6/6	2000
	2F420	4200	2695	4875	5245	2060	1690			2000
Three stage (Full free 3F)	3F385	3850	1845	4525	4895	1210	840	470	6/6	2000
	3F430	4300	1995	4975	5345	1360	990			1950
	3F475	4750	2145	5425	5795	1510	1140			1800
	3F515	5150	2280	5825	6195	1645	1275			1800*
	3F550	5500	2405	6175	6545	1770	1400			1750*
	3F600	6000	2595	6675	7045	1960	1590			1650*
	3F650	6500	2845	7175	7545	2210	1840			1400*
	3F700	7000	3095	7675	8045	2460	2090			1000*
Three stage (Full free wide view 3V)	3V360	3600	1845	4225	4645	1170	840	495	6/6	1950
	3V405	4050	1995	4675	5095	1320	990			1900
	3V450	4500	2145	5125	5545	1470	1140			1800
	3V490	4900	2280	5525	5945	1600	1275			1750*
	3V525	5250	2405	5875	6295	1730	1400			1700*
	3V575	5750	2595	6375	6795	1920	1590			1650*
	3V633	6330	2845	6955	7375	2170	1840			1500*
	3V688	6880	3095	7505	7925	2420	2090			1100*

*:Capacity with wide single super elastic tyres. Truck width: 1285 mm.

Main Truck Specifications

Item			DX-20	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	U1D2A20LQ	Y1D2A20Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit	Sit
	1.5	Load capacity	Q (t)	2.0
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	455
	1.9	Wheel base	y (mm)	1650
WEIGHTS	2.1	Service weight	kg	3340 ^{*1}
	2.2	Axle load with load, front/rear	kg	4705/635
	2.3	Axle load without load, front/rear	kg	1550/1790
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=super elastic,P=pneumatic)	Pneumatic	Pneumatic
	3.2	Tyre size, front	7.00-12-14PR	7.00-12-14PR
	3.3	Tyre size, rear	6.00-9-10PR	6.00-9-10PR
	3.5	Wheels, number front/rear (x=powered)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	965
	3.7	Tread, rear	b11(mm)	975
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	1995
	4.3	Free lift	h2 (mm)	155
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4045
	4.7	Overhead guard height	h6 (mm)	2130
	4.8	Seat height/Standing height	h7 (mm)	1040
	4.12	Towing coupler height	h10 (mm)	335
	4.19	Overall length	l1 (mm)	3630
	4.20	Length to fork face	l2 (mm)	2530
	4.21	Overall width	b1 (mm)	1155
	4.22	Fork dimensions	s/e/l (mm)	40x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B	2A	2A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Mast underclearance loaded	m1 (mm)	115
	4.32	Underclearance centre wheelbase	m2 (mm)	165
	4.33	Right angle stacking aisle with pallet (WxL) 1000 x 1200 wide	Ast (mm)	3845
	4.34	Right angle stacking aisle with pallet (WxL) 800 x 1200 deep	Ast (mm)	4045
	4.35	Turning radius	Wa (mm)	2190
	4.36	Turning radius, inner	b13 (mm)	170
PERFORMANCE	5.1	Travelling speed with/without load	km/h	19/19
	5.2	Lifting speed with/without load(2W)	mm/s	620/700
	5.3	Lowering speed with/without load(2W)	mm/s	500/500
	5.2	Lifting speed with/without load(2F)	mm/s	620/670
	5.3	Lowering speed with/without load(2F)	mm/s	480/300
	5.2	Lifting speed with/without load(3F)	mm/s	620/660
	5.3	Lowering speed with/without load(3F)	mm/s	480/300
	5.2	Lifting speed with/without load(3V)	mm/s	580/650
	5.3	Lowering speed with/without load(3V)	mm/s	480/300
	5.5	Drawbar pull, with/without load	kN	18.5/14.7
	5.7	Gradeability with/without load	%	34/26
	5.9	Acceleration with/without load	s	4.3/3.7
	5.10	Service brake	Hydraulic	Hydraulic
DRIVE	7.1	Engine manufacturer/type	Nissan K25	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	38
	7.3	Rated engine revolutions	min-1	2700
	7.4	Number of cylinders/Displacement	cm3	4/2488
	7.5	Fuel consumption according VDI cycle (60 cycles/hour)	l/h; kg/h	2.9
OTHERS	8.1	Type of drive control	Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130
	8.3	Oil flow for attachment	l/min	70
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO mode)

*1:Excluding the weight for LPG bottle



Mast Specifications & Rated Capacities

DX-25

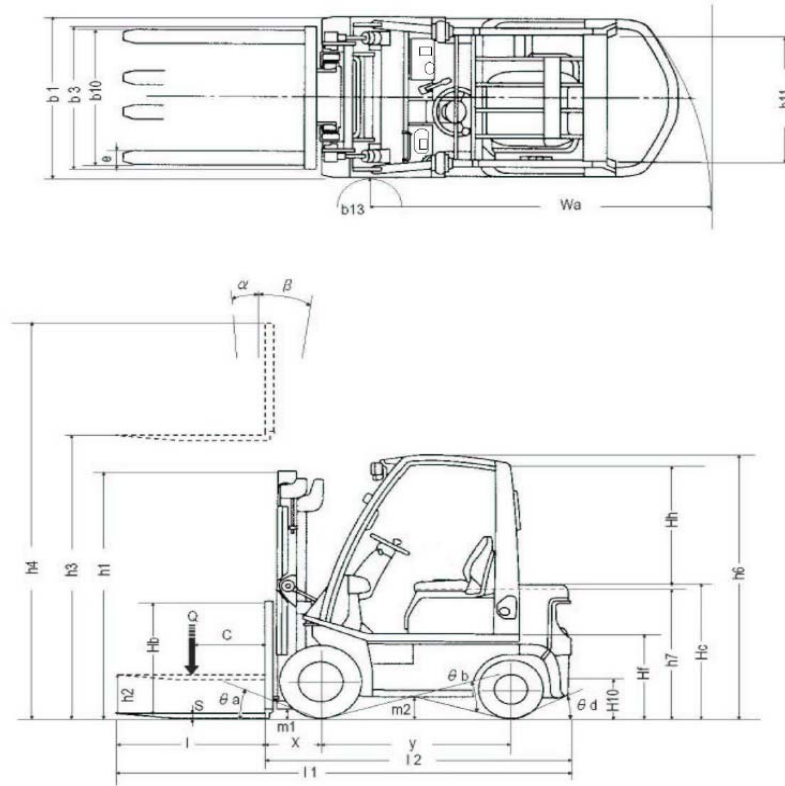
Mast type	Mast name	Max. fork height	Overall height			Free lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest		Forward/ backward	Load centre 500 mm
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two stage (Wide view 2W)	2W300	3000	1995	3640	4045	155	155	455	6/12	2500
	2W330	3300	2145	3940	4345					2500
	2W350	3500	2280	4140	4545					2500
	2W370	3700	2405	4340	4745					2500
	2W400	4000	2595	4640	5045				6/6	2500
	2W450	4500	2845	5140	5545					2400
	2W500	5000	3095	5640	6045					2100
Two stage (Full free 2F)	2F300	3000	1995	3675	4045	1360	990	455	6/12	2500
	2F330	3300	2145	3975	4345	1510	1140			2500
	2F350	3500	2280	4175	4545	1645	1275			2500
	2F370	3700	2405	4375	4745	1770	1400			2500
	2F400	4000	2595	4675	5045	1960	1590		6/6	2500
	2F420	4200	2695	4875	5245	2060	1690			2500
Three stage (Full free 3F)	3F385	3850	1845	4525	4895	1210	840	470	6/6	2500
	3F430	4300	1995	4975	5345	1360	990			2450*
	3F475	4750	2145	5425	5795	1510	1140			2400*
	3F515	5150	2280	5825	6195	1645	1275			2350*
	3F550	5500	2405	6175	6545	1770	1400			2250*
	3F600	6000	2595	6675	7045	1960	1590			2100*
	3F650	6500	2845	7175	7545	2210	1840			1450*
	3F700	7000	3095	7675	8045	2460	2090			1100*
Three stage (Full free wide view 3V)	3V360	3600	1845	4225	4645	1170	840	495	6/6	2450
	3V405	4050	1995	4675	5095	1320	990			2400*
	3V450	4500	2145	5125	5545	1470	1140			2350*
	3V490	4900	2280	5525	5945	1600	1275			2300*
	3V525	5250	2405	5875	6295	1730	1400			2250*
	3V575	5750	2595	6375	6795	1920	1590			2100*
	3V633	6330	2845	6955	7375	2170	1840			1700*
	3V688	6880	3095	7505	7925	2420	2090			1200*

*:Capacity with wide single superelastic tyres. Truck width: 1285 mm.

Main Truck Specifications

Item			DX-25	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	U1D2A25LQ	Y1D2A25Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit	Sit
	1.5	Load capacity	Q (t)	2.5
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	455
	1.9	Wheel base	y (mm)	1650
WEIGHTS	2.1	Service weight	kg	3700 ^{*1}
	2.2	Axle load with load, front/rear	kg	5420/780
	2.3	Axle load without load, front/rear	kg	1475/2225
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=super elastic,P=pneumatic)	Pneumatic	Pneumatic
	3.2	Tyre size, front	7.00-12-14PR	7.00-12-14PR
	3.3	Tyre size, rear	6.00-9-10PR	6.00-9-10PR
	3.5	Wheels, number front/rear (x=powered)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	965
	3.7	Tread, rear	b11(mm)	975
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	1995
	4.3	Free lift	h2 (mm)	155
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4045
	4.7	Overhead guard height	h6 (mm)	2130
	4.8	Seat height/Standing height	h7 (mm)	1040
	4.12	Towing coupler height	h10 (mm)	335
	4.19	Overall length	l1 (mm)	3705
	4.20	Length to fork face	l2 (mm)	2605
	4.21	Overall width	b1(mm)	1155
	4.22	Fork dimensions	s/e/l (mm)	40x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B	2A	2A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Mast underclearance loaded	m1 (mm)	115
	4.32	Underclearance centre wheelbase	m2 (mm)	165
	4.33	Right angle stacking aisle with pallet 1000 x 1200 wide	Ast (mm)	3905
	4.34	Right angle stacking aisle with pallet 800 x 1200 deep	Ast (mm)	4105
	4.35	Turning radius	Wa (mm)	2250
	4.36	Turning radius, inner	b13 (mm)	170
PERFORMANCE	5.1	Travelling speed with/without load	km/h	19/19
	5.2	Lifting speed with/without load(2W)	mm/s	620/700
	5.3	Lowering speed with/without load(2W)	mm/s	500/500
	5.2	Lifting speed with/without load(2F)	mm/s	620/670
	5.3	Lowering speed with/without load(2F)	mm/s	480/300
	5.2	Lifting speed with/without load(3F)	mm/s	620/660
	5.3	Lowering speed with/without load(3F)	mm/s	480/300
	5.2	Lifting speed with/without load(3V)	mm/s	580/650
	5.3	Lowering speed with/without load(3V)	mm/s	480/300
	5.5	Drawbar pull, with/without load	kN	18.5/14.7
	5.7	Gradeability with/without load	%	29/22
	5.9	Acceleration with/without load	s	4.5/3.8
DRIVE	5.10	Service brake		Hydraulic
	7.1	Engine manufacturer/type	Nissan K25	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	46.9
	7.3	Rated engine revolutions	min-1	2700
	7.4	Number of cylinders/Displacement	cm3	4/2488
OTHERS	7.5	Fuel consumption according VDI cycle (60 cycles/hour)	l/h; kg/h	3.8
	8.1	Type of drive control	Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130
	8.3	Oil flow for attachment	l/min	70
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO mode)

*1:Excluding the weight for LPG bottle



Mast Specifications & Rated Capacities

DX-30

Mast type	Mast name	Max. fork height	Overall height			Free lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest		Forward/ backward	Load centre 500 mm
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two stage (Wide view 2W)	2W300	3000	2025	3675	4140	160	160	485	6/12	3000
	2W330	3300	2175	3975	4440					3000
	2W350	3500	2310	4175	4640					3000
	2W370	3700	2435	4375	4840					3000
	2W400	4000	2625	4675	5140				6/6	3000
	2W450	4500	2875	5175	5640					3000
	2W500	5000	3125	5675	6140					2600
Two stage (Full free 2F)	2F300	3000	2025	3700	4140	1370	930	485	6/12	3000
	2F330	3300	2175	4000	4440	1520	1080			3000
	2F350	3500	2310	4200	4640	1655	1215			3000
	2F370	3700	2435	4400	4840	1780	1340			3000
	2F400	4000	2625	4700	5140	1970	1530		6/6	3000
	2F420	4200	2725	4900	5340	2070	1630			3000
Three stage (Full free 3F)	3F385	3850	2025	4515	4990	1405	930	485	6/6	3000
	3F430	4300	2175	4965	5440	1555	1080			3000
	3F475	4750	2310**	5415	5890	1690	1215			2900
	3F515	5150	2435	5815	6290	1815	1340			2850*
	3F550	5500	2625	6165	6640	2005	1530			2700*
	3F600	6000	2875	6665	7140	2255	1780			2500*
	3F650	6500	3125	7165	7640	2505	2030			2200*
	3F700	7000	3375	7665	8140	2755	2280			1900*
Three stage (Full free wide view 3V)	3V385	3850	2025	4505	4990	1325	930	505	6/6	3000
	3V430	4300	2175	4955	5440	1475	1080			2950
	3V470	4700	2310	5355	5840	1605	1215			2850
	3V505	5050	2435	5705	6190	1735	1340			2750*
	3V555	5550	2625	6205	6690	1925	1530			2600*
	3V600	6000	2875	6655	7140	2175	1780			2450*
	3V650	6500	3125	7155	7640	2425	2030			2200*
	3V700	7000	3375	7655	8140	2545	2280			1900*

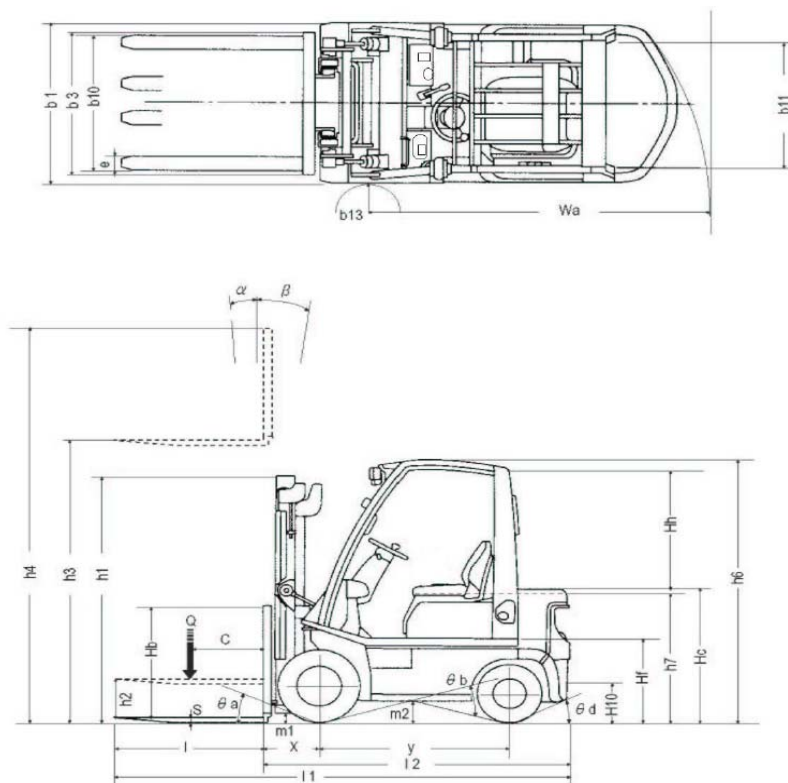
*:Capacity with double pneumatic tyres.

**:Special container mast available: 2175 mm.

Main Truck Specifications

Item				DX-30	
CHARACTERISTICS	1.1	Manufacturer		Nissan	Nissan
	1.2	Model name		UG1D2A30LQ	YG1D2A30Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others		LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking		Sit	Sit
	1.5	Load capacity	Q (t)	3.0	3.0
	1.6	Load centre	c (mm)	500	500
	1.8	Front overhang	x (mm)	485	485
	1.9	Wheel base	y (mm)	1760	1760
WEIGHTS	2.1	Service weight	kg	4220 ^{*1}	4365
	2.2	Axle load with load, front/rear	kg	6385/835	6460/905
	2.3	Axle load without load, front/rear	kg	1705/2515	1780/2585
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=super elastic,P=pneumatic)		Pneumatic	Pneumatic
	3.2	Tyre size, front		28X9-15-14PR	28X9-15-14PR
	3.3	Tyre size, rear		6.50-10-14PR	6.50-10-14PR
	3.5	Wheels, number front/rear (x=powered)		2x/2	2x/2
	3.6	Tread, front	b10(mm)	1005	1005
	3.7	Tread, rear	b11(mm)	980	980
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12	6/12
	4.2	Height mast fully lowered	h1 (mm)	2025	2025
	4.3	Free lift	h2 (mm)	160	160
	4.4	Lift height	h3 (mm)	3000	3000
	4.5	Height mast fully extended	h4 (mm)	4140	4140
	4.7	Overhead guard height	h6 (mm)	2155	2155
	4.8	Seat height/Standing height	h7 (mm)	1065	1065
	4.12	Towing coupler height	h10 (mm)	365	365
	4.19	Overall length	l1 (mm)	3870	3870
	4.20	Length to fork face	l2 (mm)	2770	2770
	4.21	Overall width	b1(mm)	1230	1230
	4.22	Fork dimensions	s/e/l (mm)	45x100x1100	45x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B		3A	3A
	4.24	Carriage width	b3 (mm)	1020	1020
	4.31	Mast underclearance loaded	m1 (mm)	145	145
	4.32	Underclearance centre wheelbase	m2 (mm)	190	190
	4.33	Right angle stacking aisle with pallet 1000 x 1200 wide	Ast (mm)	4075	4075
	4.34	Right angle stacking aisle with pallet 800 x 1200 deep	Ast (mm)	4275	4275
	4.35	Turning radius	Wa (mm)	2390	2390
	4.36	Turning radius, inner	b13 (mm)	160	160
PERFORMANCE	5.1	Travelling speed with/without load	km/h	19/19	19/19
	5.2	Lifting speed with/without load(2W)	mm/s	520/580	510/550
	5.3	Lowering speed with/without load(2W)	mm/s	500/500	500/500
	5.2	Lifting speed with/without load(2F)	mm/s	500/520	480/510
	5.3	Lowering speed with/without load(2F)	mm/s	470/320	470/320
	5.2	Lifting speed with/without load(3F)	mm/s	500/560	480/530
	5.3	Lowering speed with/without load(3F)	mm/s	470/360	470/360
	5.2	Lifting speed with/without load(3V)	mm/s	500/560	480/520
	5.3	Lowering speed with/without load(3V)	mm/s	470/360	470/360
	5.5	Drawbar pull, with/without load	kN	17.4/17.2	17.1/17.5
	5.7	Gradeability with/without load	%	23/23	22/23
	5.9	Acceleration with/without load	s	4.8/4.0	5.2/4.2
DRIVE	5.10	Service brake		Hydraulic	Hydraulic
	7.1	Engine manufacturer/type		Nissan K25	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	46.9	38
	7.3	Rated engine revolutions	min-1	2700	2000
	7.4	Number of cylinders/Displacement	cm3	4/2488	4/3153
	7.5	Fuel consumption according VDI cycle (60 cycles/hour)	l/h; kg/h	4.6	4.8
OTHERS	8.1	Type of drive control		Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130	130
	8.3	Oil flow for attachment	l/min	70	70
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO mode)	78

*1:Excluding the weight for LPG bottle



Main Truck Specifications

Item			DX-32	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	UG1D2A32LQ	YG1D2A32Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	LPG	Diesel
	1.4	Operation: Sit, Hand, Pedestrian, Standing, Order picking	Sit	Sit
	1.5	Load capacity	Q (t)	3.2
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	485
	1.9	Wheel base	y (mm)	1760
WEIGHTS	2.1	Service weight	kg	4390 ^{*1}
	2.2	Axle load with load, front/rear	kg	6675/915
	2.3	Axle load without load, front/rear	kg	1685/2705
WHEELS & TYRES	3.1	Tyres front/rear (C=Cushion,SE=super elastic,P=pneumatic)	Pneumatic	Pneumatic
	3.2	Tyre size, front	28X9-15-14PR	28X9-15-14PR
	3.3	Tyre size, rear	6.50-10-14PR	6.50-10-14PR
	3.5	Wheels, number front/rear (x=powered)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	1005
	3.7	Tread, rear	b11(mm)	980
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	2025
	4.3	Free lift	h2 (mm)	160
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4140
	4.7	Overhead guard height	h6 (mm)	2155
	4.8	Seat height/Standing height	h7 (mm)	1065
	4.12	Towing coupler height	h10 (mm)	365
	4.19	Overall length	l1 (mm)	3870
	4.20	Length to fork face	l2 (mm)	2770
	4.21	Overall width	b1(mm)	1230
	4.22	Fork dimensions	s/e/l (mm)	45x100x1100
	4.23	Carriage DIN 15173, Class / Form A,B	3A	3A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Mast underclearance loaded	m1 (mm)	145
	4.32	Underclearance centre wheelbase	m2 (mm)	190
	4.33	Right angle stacking aisle with pallet 1000 x 1200 wide	Ast (mm)	4075
	4.34	Right angle stacking aisle with pallet 800 x 1200 deep	Ast (mm)	4275
	4.35	Turning radius	Wa (mm)	2390
	4.36	Turning radius, inner	b13 (mm)	160
PERFORMANCE	5.1	Travelling speed with/without load	km/h	19/19
	5.2	Lifting speed with/without load(2W)	mm/s	470/580
	5.3	Lowering speed with/without load(2W)	mm/s	500/500
	5.2	Lifting speed with/without load(2F)	mm/s	400/520
	5.3	Lowering speed with/without load(2F)	mm/s	470/320
	5.2	Lifting speed with/without load(3F)	mm/s	430/560
	5.3	Lowering speed with/without load(3F)	mm/s	470/360
	5.2	Lifting speed with/without load(3V)	mm/s	410/560
	5.3	Lowering speed with/without load(3V)	mm/s	470/360
	5.5	Drawbar pull, with/without load	kN	17.4/16.7
	5.7	Gradeability with/without load	%	22/21
DRIVE	5.9	Acceleration with/without load	s	4.8/4.0
	5.10	Service brake	Hydraulic	Hydraulic
	7.1	Engine manufacturer/type	Nissan K25	Nissan QD32
	7.2	Engine rated power according ISO 1585	kW	46.9
	7.3	Rated engine revolutions	min-1	2700
	7.4	Number of cylinders/Displacement	cm3	4/2488
OTHERS	7.5	Fuel consumption according VDI cycle	l/h; kg/h	5.0
	8.1	Type of drive control	Torque convertor/1	Torque convertor/1
	8.2	Working pressure attachments	bar	130
	8.3	Oil flow for attachment	l/min	70
	8.4	Noise level operator's ear according EN 12053	dB(A)	77 (ECO mode)

*1:Excluding the weight for LPG bottle

Loading Capacity

DX-20<FORK>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 450	1950	1765	1610	1485	1375	1280	1195	1125	1060	1005	950
		2W 500	1850	1675	1530	1405	1305	1215	1135	1065	1005	950	905
		2F 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 420	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		3F 385	2000	1815	1660	1530	1415	1320	1235	1160	1095	1040	985
		3F 430	1950	1770	1615	1490	1380	1285	1205	1135	1070	1010	960
		3F 475	1800	1630	1490	1375	1275	1190	1110	1045	985	935	885
		3F 515	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3F 550	1450	1315	1200	1110	1025	955	895	840	795	750	715
		3F 600	950	860	785	725	675	625	585	550	520	495	470
		3V 360	1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975
	3V 405	1900	1725	1580	1460	1355	1265	1185	1115	1055	1000	950	
	3V 450	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900	
	3V 490	1650	1500	1375	1270	1175	1100	1030	970	915	865	825	
	3V 525	1500	1365	1250	1155	1070	1000	935	880	830	790	750	
	3V 575	1200	1090	1000	920	855	800	750	705	665	630	600	
	Double Type	2W 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 450	1950	1765	1610	1485	1375	1280	1195	1125	1060	1005	950
		2W 500	1900	1720	1570	1445	1340	1245	1165	1095	1035	975	925
		2F 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 420	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		3F 385	2000	1815	1660	1530	1415	1320	1235	1160	1095	1040	985
		3F 430	1950	1770	1615	1490	1380	1285	1205	1135	1070	1010	960
		3F 475	1900	1720	1575	1450	1345	1255	1175	1105	1040	985	935
		3F 515	1850	1675	1535	1415	1310	1220	1145	1075	1015	960	910
		3F 550	1800	1630	1490	1375	1275	1190	1110	1045	985	935	885
		3F 600	1700	1540	1410	1300	1205	1120	1050	990	930	880	835
		3F 650	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3F 700	1200	1090	995	915	850	790	740	695	660	625	590
		3V 360	1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975
		3V 405	1900	1725	1580	1460	1355	1265	1185	1115	1055	1000	950
		3V 450	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900
		3V 490	1750	1590	1455	1345	1250	1165	1090	1030	970	920	875
		3V 525	1700	1545	1415	1305	1215	1130	1060	1000	945	895	850
		3V 575	1650	1500	1375	1270	1175	1100	1030	970	915	865	825
		3V 633	1550	1410	1290	1190	1105	1030	965	910	860	815	775
		3V 688	1250	1135	1040	960	890	830	780	735	695	655	625

Unit:kg

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic type solid (super elastic)	Single Type	2W 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 450	1950	1765	1610	1485	1375	1280	1195	1125	1060	1005	950
		2W 500	1850	1675	1530	1405	1305	1215	1135	1065	1005	950	905
		2F 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 420	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		3F 385	2000	1815	1660	1530	1415	1320	1235	1160	1095	1040	985
		3F 430	1950	1770	1615	1490	1380	1285	1205	1135	1070	1010	960
		3F 475	1800	1630	1490	1375	1275	1190	1110	1045	985	935	885
		3F 515	1600	1450	1325	1220	1135	1055	990	930	875	830	790
		3F 550	1550	1405	1285	1185	1100	1025	960	900	850	805	765
		3F 600	1150	1040	955	880	815	760	710	670	630	595	565
		3V 360	1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975
	3V 405	1900	1725	1580	1460	1355	1265	1185	1115	1055	1000	950	
	3V 450	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900	
	3V 490	1650	1500	1375	1270	1175	1100	1030	970	915	865	825	
	3V 525	1550	1410	1290	1190	1105	1030	965	910	860	815	775	
	3V 575	1300	1180	1080	1000	925	865	810	765	720	685	650	
	Double Type	2W 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2W 450	1950	1765	1610	1485	1375	1280	1195	1125	1060	1005	950
		2W 500	1900	1720	1570	1445	1340	1245	1165	1095	1035	975	925
		2F 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		2F 420	2000	1810	1655	1520	1410	1310	1225	1155	1085	1030	975
		3F 385	2000	1815	1660	1530	1415	1320	1235	1160	1095	1040	985
		3F 430	1950	1770	1615	1490	1380	1285	1205	1135	1070	1010	960
		3F 475	1900	1720	1575	1450	1345	1255	1175	1105	1040	985	935
		3F 515	1850	1675	1535	1415	1310	1220	1145	1075	1015	960	910
3F 550		1800	1630	1490	1375	1275	1190	1110	1045	985	935	885	
3F 600		1750	1585	1450	1335	1240	1155	1080	1015	960	910	860	
3F 650		1650	1495	1370	1260	1170	1090	1020	960	905	855	815	
3F 700		1400	1270	1160	1070	990	925	865	815	765	725	690	
3V 360		1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975	
3V 405		1900	1725	1580	1460	1355	1265	1185	1115	1055	1000	950	
3V 450		1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900	
3V 490		1750	1590	1455	1345	1250	1165	1090	1030	970	920	875	
3V 525		1700	1545	1415	1305	1215	1130	1060	1000	945	895	850	
3V 575		1650	1500	1375	1270	1175	1100	1030	970	915	865	825	
3V 633		1600	1455	1330	1230	1140	1065	1000	940	885	840	800	
3V 688		1350	1225	1125	1035	965	900	840	795	750	710	675	

DX

DX-20<FORK>

Unit:kg

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2W 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2W 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2W 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2W 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2W 450	1950	1765	1610	1485	1375	1280	1195	1125	1060	950
		2W 500	1850	1675	1530	1405	1305	1215	1135	1065	1005	905
		2F 300	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2F 330	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2F 350	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2F 370	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2F 400	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		2F 420	2000	1810	1655	1520	1410	1310	1225	1155	1085	975
		3F 385	2000	1815	1660	1530	1415	1320	1235	1160	1095	985
		3F 430	1950	1770	1615	1490	1380	1285	1205	1135	1070	960
		3F 475	1850	1675	1535	1415	1310	1220	1145	1075	1015	910
		3F 515	1800	1630	1490	1375	1275	1190	1110	1045	985	885
		3F 550	1750	1585	1450	1335	1240	1155	1080	1015	960	860
		3F 600	1650	1495	1370	1260	1170	1090	1020	960	905	815
		3F 650	1400	1270	1160	1070	990	925	865	815	765	690
		3F 700	1000	905	830	765	710	660	620	580	550	490
		3V 360	1950	1770	1625	1500	1390	1300	1215	1145	1080	975
		3V 405	1900	1725	1580	1460	1355	1265	1185	1115	1055	950
		3V 450	1800	1635	1500	1385	1285	1200	1125	1055	1000	900
		3V 490	1750	1590	1455	1345	1250	1165	1090	1030	970	875
		3V 525	1700	1545	1415	1305	1215	1130	1060	1000	945	850
		3V 575	1650	1500	1375	1270	1175	1100	1030	970	915	825
		3V 633	1500	1365	1250	1155	1070	1000	935	880	830	750
		3V 688	1100	1000	915	845	785	730	685	645	610	550

DX-25<FORK>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 450	2400	2170	1985	1825	1690	1575	1475	1385	1305	1235	1170
		2W 500	2100	1900	1735	1595	1480	1375	1290	1210	1140	1080	1025
		2F 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 420	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		3F 385	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230
		3F 430	2300	2085	1905	1755	1630	1520	1420	1335	1260	1195	1135
		3F 475	2100	1905	1740	1605	1485	1385	1300	1220	1150	1090	1035
		3F 515	1800	1630	1490	1375	1275	1190	1110	1045	985	935	885
		3F 550	1650	1495	1370	1260	1170	1090	1020	960	905	855	815
		3F 600	1050	950	870	800	745	695	650	610	575	545	515
		3V 360	2450	2225	2040	1885	1750	1630	1530	1440	1360	1285	1225
		3V 405	2350	2135	1955	1805	1675	1565	1465	1380	1305	1235	1175
		3V 450	2050	1865	1705	1575	1465	1365	1280	1205	1135	1075	1025
		3V 490	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900
		3V 525	1650	1500	1375	1270	1175	1100	1030	970	915	865	825
		3V 575	1300	1180	1080	1000	925	865	810	765	720	685	650
	Double Type	2W 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 450	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 500	2400	2170	1985	1825	1690	1575	1475	1385	1305	1235	1170
		2F 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 420	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		3F 385	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230
		3F 430	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230
		3F 475	2450	2220	2030	1870	1735	1615	1515	1425	1345	1270	1205
		3F 515	2400	2175	1990	1835	1700	1585	1485	1395	1315	1245	1180
		3F 550	2300	2085	1905	1755	1630	1520	1420	1335	1260	1195	1135
		3F 600	2100	1905	1740	1605	1485	1385	1300	1220	1150	1090	1035
		3F 650	1650	1495	1370	1260	1170	1090	1020	960	905	855	815
		3F 700	1300	1180	1080	995	920	860	805	755	715	675	640
		3V 360	2450	2225	2040	1885	1750	1630	1530	1440	1360	1285	1225
		3V 405	2400	2180	2000	1845	1710	1600	1500	1410	1330	1260	1200
		3V 450	2350	2135	1955	1805	1675	1565	1465	1380	1305	1235	1175
		3V 490	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3V 525	2250	2045	1875	1730	1605	1500	1405	1320	1250	1180	1125
		3V 575	2100	1910	1750	1615	1500	1400	1310	1235	1165	1105	1050
		3V 633	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900
		3V 688	1350	1225	1125	1035	965	900	840	795	750	710	675

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid (super elastic)	Single Type	2W 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 450	2450	2215	2025	1865	1725	1605	1505	1415	1330	1260	1195	
		2W 500	2150	1945	1775	1635	1515	1410	1320	1240	1170	1105	1050	
		2F 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 420	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		3F 385	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230	
		3F 430	2350	2130	1950	1795	1665	1550	1455	1365	1290	1220	1160	
		3F 475	2150	1950	1785	1640	1525	1420	1330	1250	1180	1115	1060	
		3F 515	1950	1770	1615	1490	1380	1285	1205	1135	1070	1010	960	
		3F 550	1800	1630	1490	1375	1275	1190	1110	1045	985	935	885	
		3F 600	1300	1180	1080	995	920	860	805	755	715	675	640	
		3V 360	2450	2225	2040	1885	1750	1630	1530	1440	1360	1285	1225	
		3V 405	2350	2135	1955	1805	1675	1565	1465	1380	1305	1235	1175	
		3V 450	2150	1955	1790	1650	1535	1430	1340	1265	1190	1130	1075	
		3V 490	1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975	
		3V 525	1800	1635	1500	1385	1285	1200	1125	1055	1000	945	900	
		3V 575	1500	1365	1250	1155	1070	1000	935	880	830	790	750	
	Double Type	2W 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 450	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2W 500	2450	2215	2025	1865	1725	1605	1505	1415	1330	1260	1195	
		2F 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		2F 420	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220	
		3F 385	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230	
		3F 430	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230	
3F 475		2450	2220	2030	1870	1735	1615	1515	1425	1345	1270	1205		
3F 515		2400	2175	1990	1835	1700	1585	1485	1395	1315	1245	1180		
3F 550		2300	2085	1905	1755	1630	1520	1420	1335	1260	1195	1135		
3F 600		2200	1995	1825	1680	1560	1450	1360	1280	1205	1140	1085		
3F 650		1800	1630	1490	1375	1275	1190	1110	1045	985	935	885		
3F 700		1500	1360	1245	1145	1060	990	925	870	820	780	740		
3V 360		2450	2225	2040	1885	1750	1630	1530	1440	1360	1285	1225		
3V 405		2400	2180	2000	1845	1710	1600	1500	1410	1330	1260	1200		
3V 450		2350	2135	1955	1805	1675	1565	1465	1380	1305	1235	1175		
3V 490		2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150		
3V 525	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150			
3V 575	2200	2000	1830	1690	1570	1465	1375	1290	1220	1155	1100			
3V 633	1950	1770	1625	1500	1390	1300	1215	1145	1080	1025	975			
3V 688	1600	1455	1330	1230	1140	1065	1000	940	885	840	800			

DX

DX-25<FORK>

Unit:kg

		Load centre Mast name	500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2W 450	2450	2215	2025	1865	1725	1605	1505	1415	1330	1260	1195
		2W 500	2350	2125	1940	1785	1655	1540	1440	1355	1280	1210	1145
		2F 300	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 330	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 350	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 370	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 400	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		2F 420	2500	2260	2065	1900	1760	1640	1535	1440	1360	1285	1220
		3F 385	2500	2265	2075	1910	1770	1650	1545	1455	1370	1300	1230
		3F 430	2450	2220	2030	1870	1735	1615	1515	1425	1345	1270	1205
		3F 475	2400	2175	1990	1835	1700	1585	1485	1395	1315	1245	1180
		3F 515	2350	2130	1950	1795	1665	1550	1455	1365	1290	1220	1160
		3F 550	2250	2040	1865	1720	1595	1485	1390	1310	1235	1170	1110
		3F 600	2100	1905	1740	1605	1485	1385	1300	1220	1150	1090	1035
		3F 650	1450	1315	1200	1110	1025	955	895	840	795	750	715
		3F 700	1100	995	910	840	780	725	680	640	605	570	540
		3V 360	2450	2225	2040	1885	1750	1630	1530	1440	1360	1285	1225
		3V 405	2400	2180	2000	1845	1710	1600	1500	1410	1330	1260	1200
		3V 450	2350	2135	1955	1805	1675	1565	1465	1380	1305	1235	1175
		3V 490	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3V 525	2250	2045	1875	1730	1605	1500	1405	1320	1250	1180	1125
		3V 575	2100	1910	1750	1615	1500	1400	1310	1235	1165	1105	1050
		3V 633	1700	1545	1415	1305	1215	1130	1060	1000	945	895	850
		3V 688	1200	1090	1000	920	855	800	750	705	665	630	600

DX-30<FORK>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 450	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 500	2600	2360	2160	1990	1850	1725	1615	1520	1435	1360	1290
		2F 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 420	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 385	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 430	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 475	2900	2630	2410	2220	2060	1925	1800	1695	1600	1515	1440
		3F 515	2400	2180	1995	1840	1705	1590	1490	1400	1325	1255	1190
		3F 550	1900	1725	1580	1455	1350	1260	1180	1110	1050	990	940
		3F 600	1500	1360	1245	1150	1065	995	930	875	825	785	745
		3V 385	3000	2730	2500	2310	2145	2000	1875	1765	1670	1580	1500
		3V 430	2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475
		3V 470	2850	2590	2375	2195	2035	1900	1785	1680	1585	1500	1425
		3V 505	2400	2180	2000	1845	1715	1600	1500	1415	1335	1265	1200
		3V 555	1800	1635	1500	1385	1285	1200	1125	1060	1000	950	900
		3V 600	1400	1275	1165	1075	1000	935	875	825	780	735	700
	Double Tyre	2W 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 450	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 500	2900	2630	2410	2220	2060	1925	1800	1695	1600	1515	1440
		2F 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 420	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 385	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 430	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 475	2950	2680	2450	2260	2100	1955	1835	1725	1625	1540	1465
		3F 515	2850	2585	2370	2185	2025	1890	1770	1665	1570	1490	1415
		3F 550	2700	2450	2245	2070	1920	1790	1675	1580	1490	1410	1340
		3F 600	2500	2270	2080	1915	1775	1660	1555	1460	1380	1305	1240
		3F 650	2200	1995	1830	1685	1565	1460	1365	1285	1215	1150	1090
		3F 700	1900	1725	1580	1455	1350	1260	1180	1110	1050	990	940
		3V 385	3000	2730	2500	2310	2145	2000	1875	1765	1670	1580	1500
		3V 430	2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475
		3V 470	2850	2590	2375	2195	2035	1900	1785	1680	1585	1500	1425
		3V 505	2750	2500	2290	2115	1965	1835	1720	1620	1530	1450	1375
		3V 555	2600	2365	2165	2000	1860	1735	1625	1530	1445	1370	1300
		3V 600	2450	2225	2040	1885	1750	1635	1530	1440	1360	1290	1225
		3V 650	2200	2000	1835	1695	1570	1470	1375	1295	1225	1160	1100
		3V 700	1900	1725	1585	1460	1360	1265	1190	1120	1055	1000	950

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
		Mast name	mm										
Pneumatic type solid (super elastic)	Single Tyre	2W 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 450	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 500	2700	2450	2245	2070	1920	1790	1675	1580	1490	1410	1340
		2F 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 420	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 385	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 430	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 475	2950	2680	2450	2260	2100	1955	1835	1725	1625	1540	1465
		3F 515	2600	2360	2160	1990	1850	1725	1615	1520	1435	1360	1290
		3F 550	2100	1905	1745	1610	1495	1390	1305	1225	1160	1095	1040
		3F 600	1750	1590	1455	1340	1245	1160	1085	1020	965	915	870
		3V 385	3000	2730	2500	2310	2145	2000	1875	1765	1670	1580	1500
		3V 430	2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475
		3V 470	2850	2590	2375	2195	2035	1900	1785	1680	1585	1500	1425
		3V 505	2600	2365	2165	2000	1860	1735	1625	1530	1445	1370	1300
		3V 555	2000	1820	1665	1540	1430	1335	1250	1175	1110	1055	1000
		3V 600	1650	1500	1375	1270	1180	1100	1030	970	915	870	825
	Double Tyre	2W 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 450	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2W 500	2950	2680	2450	2260	2100	1955	1835	1725	1625	1540	1465
		2F 300	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 330	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 350	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 370	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 400	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		2F 420	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 385	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
		3F 430	3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490
3F 475		2950	2680	2450	2260	2100	1955	1835	1725	1625	1540	1465	
3F 515		2850	2585	2370	2185	2025	1890	1770	1665	1570	1490	1415	
3F 550		2800	2540	2325	2145	1990	1855	1740	1635	1545	1465	1390	
3F 600		2700	2450	2245	2070	1920	1790	1675	1580	1490	1410	1340	
3F 650		2400	2180	1995	1840	1705	1590	1490	1400	1325	1255	1190	
3F 700		2100	1905	1745	1610	1495	1390	1305	1225	1160	1095	1040	
3V 385		3000	2730	2500	2310	2145	2000	1875	1765	1670	1580	1500	
3V 430		2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475	
3V 470		2850	2590	2375	2195	2035	1900	1785	1680	1585	1500	1425	
3V 505		2750	2500	2290	2115	1965	1835	1720	1620	1530	1450	1375	
3V 555	2700	2455	2250	2080	1930	1800	1690	1590	1500	1425	1350		
3V 600	2650	2410	2210	2040	1895	1770	1660	1560	1475	1395	1325		
3V 650	2400	2180	2000	1845	1715	1600	1500	1415	1335	1265	1200		
3V 700	2100	1910	1750	1615	1500	1400	1315	1235	1170	1105	1050		

DX-32<FORK>

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name				mm										
Pneumatic	Single Tyre	2W 300	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 330	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 350	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 370	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 400	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 450	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 500	2800	2540	2325	2145	1990	1855	1740	1635	1545	1465	1390	
		2F 300	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 330	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 350	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 370	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 400	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 420	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 385	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 430	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 475	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 515	2600	2360	2160	1990	1850	1725	1615	1520	1435	1360	1290	
		3F 550	2100	1905	1745	1610	1495	1390	1305	1225	1160	1095	1040	
		3F 600	1700	1545	1415	1305	1210	1125	1055	995	940	890	845	
		3V 385	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 430	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 470	3050	2775	2540	2345	2180	2035	1910	1795	1695	1605	1525	
		3V 505	2600	2365	2165	2000	1860	1735	1625	1530	1445	1370	1300	
		3V 555	2000	1820	1665	1540	1430	1335	1250	1175	1110	1055	1000	
		3V 600	1600	1455	1335	1230	1145	1065	1000	940	890	845	800	
	Double Tyre	2W 300	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 330	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 350	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 370	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 400	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 450	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 500	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 300	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 330	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 350	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 370	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 400	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 420	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 385	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 430	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 475	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 515	3050	2770	2535	2335	2170	2025	1895	1780	1685	1595	1515	
		3F 550	2900	2630	2410	2220	2060	1925	1800	1695	1600	1515	1440	
		3F 600	2700	2450	2245	2070	1920	1790	1675	1580	1490	1410	1340	
		3F 650	2350	2135	1955	1800	1670	1560	1460	1375	1295	1225	1165	
		3F 700	1950	1770	1620	1495	1385	1295	1210	1140	1075	1020	965	
		3V 385	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 430	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 470	3050	2775	2540	2345	2180	2035	1910	1795	1695	1605	1525	
		3V 505	2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475	
		3V 555	2800	2545	2335	2155	2000	1870	1750	1650	1555	1475	1400	
		3V 600	2650	2410	2210	2040	1895	1770	1660	1560	1475	1395	1325	
		3V 650	2400	2180	2000	1845	1715	1600	1500	1415	1335	1265	1200	
		3V 700	2100	1910	1750	1615	1500	1400	1315	1235	1170	1105	1050	

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid(super elastic)	Single Tyre	2W 300	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 330	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 350	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 370	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 400	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 450	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 500	2900	2630	2410	2220	2060	1925	1800	1695	1600	1515	1440	
		2F 300	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 330	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 350	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 370	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 400	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 420	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 385	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 430	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 475	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 515	2800	2540	2325	2145	1990	1855	1740	1635	1545	1465	1390	
		3F 550	2300	2090	1910	1765	1635	1525	1430	1345	1270	1200	1140	
		3F 600	1950	1770	1620	1495	1385	1295	1210	1140	1075	1020	965	
		3V 385	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 430	3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550	
		3V 470	3050	2775	2540	2345	2180	2035	1910	1795	1695	1605	1525	
		3V 505	2800	2545	2335	2155	2000	1870	1750	1650	1555	1475	1400	
		3V 555	2200	2000	1835	1695	1570	1470	1375	1295	1225	1160	1100	
		3V 600	1850	1680	1540	1425	1320	1235	1155	1090	1030	975	925	
	Double Tyre	2W 300	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 330	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 350	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 370	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 400	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 450	3200	2905	2660	2450	2275	2120	1990	1870	1765	1670	1585	
		2W 500	3150	2860	2620	2415	2240	2090	1955	1840	1740	1645	1565	
		2F 300	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 330	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 350	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 370	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 400	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		2F 420	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 385	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
		3F 430	3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540	
3F 475		3100	2815	2575	2375	2205	2055	1925	1810	1710	1620	1540		
3F 515		3050	2770	2535	2335	2170	2025	1895	1780	1685	1595	1515		
3F 550		3000	2725	2495	2300	2135	1990	1865	1755	1655	1565	1490		
3F 600		2900	2630	2410	2220	2060	1925	1800	1695	1600	1515	1440		
3F 650		2600	2360	2160	1990	1850	1725	1615	1520	1435	1360	1290		
3V 700		2300	2090	1910	1765	1635	1525	1430	1345	1270	1200	1140		
3V 385		3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550		
3V 430		3100	2820	2585	2385	2215	2070	1940	1825	1725	1635	1550		
3V 470		3050	2775	2540	2345	2180	2035	1910	1795	1695	1605	1525		
3V 505		2950	2680	2460	2270	2110	1970	1845	1735	1640	1555	1475		
3V 555	2900	2635	2415	2230	2075	1935	1815	1705	1615	1530	1450			
3V 600	2850	2590	2375	2195	2035	1900	1785	1680	1585	1500	1425			
3V 650	2600	2365	2165	2000	1860	1735	1625	1530	1445	1370	1300			
3V 700	2300	2090	1915	1770	1645	1535	1440	1355	1280	1210	1150			

Loading Capacity Side Shift-Hook On Type

DX-20 <Side Shift-hook on type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980
		2W 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		2W 450	1800	1640	1505	1390	1290	1205	1130	1065	1005	955	905
		2W 500	1700	1545	1420	1310	1220	1140	1065	1005	950	900	855
		2F 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2F 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2F 350	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980
		2F 370	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		2F 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		2F 420	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930
		3F 385	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940
		3F 430	1800	1640	1505	1395	1295	1210	1135	1070	1015	960	915
		3F 475	1700	1550	1425	1315	1225	1145	1075	1010	955	905	860
		3F 515	1550	1410	1300	1200	1115	1045	980	925	870	825	785
		3F 550	1400	1275	1170	1085	1010	940	885	835	790	745	710
		3F 600	700	640	585	540	505	470	440	415	395	375	355
		3V 360	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950
		3V 405	1800	1645	1515	1400	1305	1220	1145	1080	1025	970	925
	3V 450	1700	1550	1430	1325	1230	1155	1085	1020	965	915	875	
	3V 490	1600	1460	1345	1245	1160	1085	1020	960	910	865	820	
	3V 525	1400	1280	1175	1090	1015	950	890	840	795	755	720	
	3V 575	1150	1050	965	895	835	780	735	690	655	620	590	
	Double Tyre	2W 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2W 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980
		2W 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		2W 450	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930
		2W 500	1750	1590	1460	1350	1255	1170	1100	1035	975	925	880
		2F 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2F 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2F 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005
		2F 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980
		2F 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		2F 420	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930
		3F 385	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940
		3F 430	1800	1640	1505	1395	1295	1210	1135	1070	1015	960	915
		3F 475	1750	1595	1465	1355	1260	1180	1105	1040	985	935	890
		3F 515	1650	1505	1380	1280	1190	1110	1045	980	930	880	835
		3F 550	1600	1460	1340	1240	1150	1075	1010	950	900	855	810
		3F 600	1550	1410	1300	1200	1115	1045	980	925	870	825	785
		3F 650	1450	1320	1215	1125	1045	975	915	865	815	775	735
		3F 700	1100	1000	920	850	790	740	695	655	620	585	560
		3V 360	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950
		3V 405	1800	1645	1515	1400	1305	1220	1145	1080	1025	970	925
		3V 450	1750	1600	1470	1360	1270	1185	1115	1050	995	945	900
		3V 490	1650	1505	1385	1285	1195	1120	1050	990	940	890	845
		3V 525	1600	1460	1345	1245	1160	1085	1020	960	910	865	820
		3V 575	1550	1415	1305	1205	1125	1050	990	930	880	835	795
		3V 633	1450	1325	1220	1130	1050	985	925	870	825	780	745
		3V 688	1150	1050	965	895	835	780	735	690	655	620	590

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	Unit:kg
Mast name			mm												
Pneumatic type solid(super elastic)	Single Tyre	2W 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980		
		2W 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955		
		2W 450	1800	1640	1505	1390	1290	1205	1130	1065	1005	955	905		
		2W 500	1700	1545	1420	1310	1220	1140	1065	1005	950	900	855		
		2F 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2F 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2F 350	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980		
		2F 370	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955		
		2F 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955		
		2F 420	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930		
		3F 385	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940		
		3F 430	1800	1640	1505	1395	1295	1210	1135	1070	1015	960	915		
		3F 475	1700	1550	1425	1315	1225	1145	1075	1010	955	905	860		
		3F 515	1550	1410	1300	1200	1115	1045	980	925	870	825	785		
		3F 550	1450	1320	1215	1125	1045	975	915	865	815	775	735		
		3F 600	950	865	795	735	685	640	600	565	535	505	480		
		3V 360	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950		
		3V 405	1800	1645	1515	1400	1305	1220	1145	1080	1025	970	925		
		3V 450	1700	1550	1430	1325	1230	1155	1085	1020	965	915	875		
		3V 490	1600	1460	1345	1245	1160	1085	1020	960	910	865	820		
		3V 525	1450	1325	1220	1130	1050	985	925	870	825	780	745		
	3V 575	1250	1140	1050	975	905	850	795	750	710	675	640			
	Double Tyre	2W 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2W 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980		
		2W 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955		
		2W 450	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930		
		2W 500	1750	1590	1460	1350	1255	1170	1100	1035	975	925	880		
		2F 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2F 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2F 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005		
		2F 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980		
		2F 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955		
		2F 420	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930		
		3F 385	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940		
		3F 430	1800	1640	1505	1395	1295	1210	1135	1070	1015	960	915		
		3F 475	1750	1595	1465	1355	1260	1180	1105	1040	985	935	890		
		3F 515	1650	1505	1380	1280	1190	1110	1045	980	930	880	835		
		3F 550	1600	1460	1340	1240	1150	1075	1010	950	900	855	810		
		3F 600	1550	1410	1300	1200	1115	1045	980	925	870	825	785		
		3F 650	1500	1365	1255	1160	1080	1010	950	895	845	800	760		
		3F 700	1300	1185	1090	1005	935	875	820	775	730	695	660		
		3V 360	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950		
		3V 405	1800	1645	1515	1400	1305	1220	1145	1080	1025	970	925		
3V 450		1750	1600	1470	1360	1270	1185	1115	1050	995	945	900			
3V 490	1650	1505	1385	1285	1195	1120	1050	990	940	890	845				
3V 525	1600	1460	1345	1245	1160	1085	1020	960	910	865	820				
3V 575	1550	1415	1305	1205	1125	1050	990	930	880	835	795				
3V 633	1500	1370	1260	1170	1085	1015	955	900	855	810	770				
3V 688	1250	1140	1050	975	905	850	795	750	710	675	640				

DX

DX-20 <Side Shift-hook on type>

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid (super elastic)	Wide single	2W 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2W 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2W 350	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2W 370	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980	
		2W 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955	
		2W 450	1800	1640	1505	1390	1290	1205	1130	1065	1005	955	905	
		2W 500	1700	1545	1420	1310	1220	1140	1065	1005	950	900	855	
		2F 300	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2F 330	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2F 350	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980	
		2F 370	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955	
		2F 400	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955	
		2F 420	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930	
		3F 385	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940	
		3F 430	1800	1640	1505	1395	1295	1210	1135	1070	1015	960	915	
		3F 475	1750	1595	1465	1355	1260	1180	1105	1040	985	935	890	
		3F 515	1650	1505	1380	1280	1190	1110	1045	980	930	880	835	
		3F 550	1600	1460	1340	1240	1150	1075	1010	950	900	855	810	
		3F 600	1500	1365	1255	1160	1080	1010	950	895	845	800	760	
		3F 650	1300	1185	1090	1005	935	875	820	775	730	695	660	
		3F 700	950	865	795	735	685	640	600	565	535	505	480	
		3V 360	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950	
		3V 405	1800	1645	1515	1400	1305	1220	1145	1080	1025	970	925	
		3V 450	1750	1600	1470	1360	1270	1185	1115	1050	995	945	900	
		3V 490	1650	1505	1385	1285	1195	1120	1050	990	940	890	845	
		3V 525	1600	1460	1345	1245	1160	1085	1020	960	910	865	820	
		3V 575	1550	1415	1305	1205	1125	1050	990	930	880	835	795	
		3V 633	1450	1325	1220	1130	1050	985	925	870	825	780	745	
		3V 688	950	865	800	740	690	645	605	570	540	510	485	

DX-25 <Side Shift-hook on type>

		Load centre											
Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Pneumatic	Single Tyre	2W 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2W 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2W 450	2250	2045	1880	1735	1615	1505	1415	1330	1255	1190	1130
		2W 500	1950	1775	1630	1505	1395	1305	1225	1155	1090	1030	980
		2F 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2F 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2F 420	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1180
		3F 385	2350	2140	1970	1820	1695	1580	1485	1400	1325	1255	1190
		3F 430	2250	2050	1885	1740	1620	1515	1420	1340	1265	1200	1140
		3F 475	1950	1775	1635	1510	1405	1315	1230	1160	1100	1040	990
		3F 515	1750	1595	1465	1355	1260	1180	1105	1040	985	935	890
		3F 550	1550	1410	1300	1200	1115	1045	980	925	870	825	785
		3F 600	700	640	585	540	505	470	440	415	395	375	355
		3V 360	2350	2145	1975	1830	1705	1595	1500	1415	1335	1270	1205
		3V 405	2250	2055	1890	1750	1630	1525	1435	1355	1280	1215	1155
		3V 450	2000	1825	1680	1555	1450	1355	1275	1200	1135	1080	1025
		3V 490	1750	1600	1470	1360	1270	1185	1115	1050	995	945	900
		3V 525	1550	1415	1305	1205	1125	1050	990	930	880	835	795
		3V 575	1250	1140	1050	975	905	850	795	750	710	675	640
	Double Tyre	2W 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2W 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2W 450	2300	2095	1920	1775	1650	1540	1445	1360	1285	1215	1155
		2W 500	2200	2000	1835	1695	1575	1470	1380	1300	1230	1165	1105
		2F 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2F 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2F 420	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1180
		3F 385	2350	2140	1970	1820	1695	1580	1485	1400	1325	1255	1190
		3F 430	2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1165
		3F 475	2200	2005	1840	1705	1585	1480	1390	1310	1240	1175	1115
		3F 515	2100	1915	1760	1625	1510	1415	1325	1250	1180	1120	1065
		3F 550	2050	1870	1715	1585	1475	1380	1295	1220	1155	1095	1040
		3F 600	1900	1730	1590	1470	1370	1280	1200	1130	1070	1015	965
		3F 650	1450	1320	1215	1125	1045	975	915	865	815	775	735
		3F 700	1100	1000	920	850	790	740	695	655	620	585	560
		3V 360	2350	2145	1975	1830	1705	1595	1500	1415	1335	1270	1205
		3V 405	2300	2100	1935	1790	1670	1560	1465	1385	1310	1240	1180
		3V 450	2200	2010	1850	1715	1595	1495	1400	1325	1250	1185	1130
		3V 490	2150	1965	1805	1675	1560	1460	1370	1290	1225	1160	1105
		3V 525	2050	1870	1725	1595	1485	1390	1305	1230	1165	1105	1050
		3V 575	2000	1825	1680	1555	1450	1355	1275	1200	1135	1080	1025
		3V 633	1550	1415	1305	1205	1125	1050	990	930	880	835	795
		3V 688	1150	1050	965	895	835	780	735	690	655	620	590

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid(super elastic)	Single Tyre	2W 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230	
		2W 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205	
		2W 450	2250	2045	1880	1735	1615	1505	1415	1330	1255	1190	1130	
		2W 500	2000	1820	1670	1545	1435	1340	1255	1180	1115	1060	1005	
		2F 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2F 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2F 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2F 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230	
		2F 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205	
		2F 420	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1180	
		3F 385	2350	2140	1970	1820	1695	1580	1485	1400	1325	1255	1190	
		3F 430	2250	2050	1885	1740	1620	1515	1420	1340	1265	1200	1140	
		3F 475	2000	1825	1675	1550	1440	1345	1265	1190	1125	1065	1015	
		3F 515	1850	1685	1550	1435	1330	1245	1170	1100	1040	985	940	
		3F 550	1700	1550	1425	1315	1225	1145	1075	1010	955	905	860	
		3F 600	1050	955	880	815	755	705	665	625	590	560	535	
		3V 360	2350	2145	1975	1830	1705	1595	1500	1415	1335	1270	1205	
		3V 405	2250	2055	1890	1750	1630	1525	1435	1355	1280	1215	1155	
		3V 450	2050	1870	1725	1595	1485	1390	1305	1230	1165	1105	1050	
		3V 490	1850	1690	1555	1440	1340	1255	1180	1110	1050	1000	950	
		3V 525	1700	1550	1430	1325	1230	1155	1085	1020	965	915	875	
		3V 575	1450	1325	1220	1130	1050	985	925	870	825	780	745	
	Double Tyre	2W 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2W 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230	
		2W 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205	
		2W 450	2300	2095	1920	1775	1650	1540	1445	1360	1285	1215	1155	
		2W 500	2250	2045	1880	1735	1615	1505	1415	1330	1255	1190	1130	
		2F 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2F 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
		2F 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260	
2F 370		2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230		
2F 400		2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205		
2F 420		2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1180		
3F 385		2350	2140	1970	1820	1695	1580	1485	1400	1325	1255	1190		
3F 430		2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1165		
3F 475		2200	2005	1840	1705	1585	1480	1390	1310	1240	1175	1115		
3F 515		2100	1915	1760	1625	1510	1415	1325	1250	1180	1120	1065		
3F 550		2100	1915	1760	1625	1510	1415	1325	1250	1180	1120	1065		
3F 600		2000	1825	1675	1550	1440	1345	1265	1190	1125	1065	1015		
3F 650		1600	1460	1340	1240	1150	1075	1010	950	900	855	810		
3F 700	1350	1230	1130	1045	970	910	855	805	760	720	685			
3V 360	2350	2145	1975	1830	1705	1595	1500	1415	1335	1270	1205			
3V 405	2300	2100	1935	1790	1670	1560	1465	1385	1310	1240	1180			
3V 450	2200	2010	1850	1715	1595	1495	1400	1325	1250	1185	1130			
3V 490	2150	1965	1805	1675	1560	1460	1370	1290	1225	1160	1105			
3V 525	2100	1920	1765	1635	1525	1425	1340	1260	1195	1135	1080			
3V 575	2100	1920	1765	1635	1525	1425	1340	1260	1195	1135	1080			
3V 633	1700	1550	1430	1325	1230	1155	1085	1020	965	915	875			
3V 688	1350	1235	1135	1050	980	915	860	810	770	730	695			

DX-25 <Side Shift-hook on type>

Unit:kg

		Load centre Mast name	500	600	700	800	900	1000	1100	1200	1300	1400	1500
			mm										
Pneumatic type solid(super elastic)	Wide Single Tyre	2W 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2W 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2W 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2W 450	2250	2045	1880	1735	1615	1505	1415	1330	1255	1190	1130
		2W 500	2200	2000	1835	1695	1575	1470	1380	1300	1230	1165	1105
		2F 300	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 330	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 350	2500	2275	2085	1930	1790	1675	1570	1480	1395	1325	1260
		2F 370	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
		2F 400	2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1205
		2F 420	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1180
		3F 385	2350	2140	1970	1820	1695	1580	1485	1400	1325	1255	1190
		3F 430	2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1165
		3F 475	2200	2005	1840	1705	1585	1480	1390	1310	1240	1175	1115
		3F 515	2100	1915	1760	1625	1510	1415	1325	1250	1180	1120	1065
		3F 550	2050	1870	1715	1585	1475	1380	1295	1220	1155	1095	1040
		3F 600	1900	1730	1590	1470	1370	1280	1200	1130	1070	1015	965
		3F 650	1300	1185	1090	1005	935	875	820	775	730	695	660
		3F 700	950	865	795	735	685	640	600	565	535	505	480
		3V 360	2350	2145	1975	1830	1705	1595	1500	1415	1335	1270	1205
		3V 405	2300	2100	1935	1790	1670	1560	1465	1385	1310	1240	1180
		3V 450	2200	2010	1850	1715	1595	1495	1400	1325	1250	1185	1130
		3V 490	2150	1965	1805	1675	1560	1460	1370	1290	1225	1160	1105
		3V 525	2050	1870	1725	1595	1485	1390	1305	1230	1165	1105	1050
		3V 575	2000	1825	1680	1555	1450	1355	1275	1200	1135	1080	1025
		3V 633	1450	1325	1220	1130	1050	985	925	870	825	780	745
		3V 688	950	865	800	740	690	645	605	570	540	510	485

DX-30 <Side Shift-hook on type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2W 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2W 450	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		2W 500	2400	2190	2015	1865	1735	1625	1525	1440	1360	1290	1230
		2F 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2F 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2F 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2F 420	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 385	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 430	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 475	2700	2465	2265	2100	1955	1830	1715	1620	1530	1455	1380
		3F 515	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 550	1600	1460	1345	1245	1160	1085	1015	960	905	860	820
		3F 600	1000	910	840	775	725	675	635	600	565	540	510
		3V 385	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
	3V 430	2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395	
	3V 470	2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340	
	3V 505	2150	1965	1810	1680	1565	1465	1375	1300	1230	1165	1110	
	3V 555	1500	1370	1265	1170	1090	1020	960	905	855	815	775	
	3V 600	900	820	755	700	655	610	575	545	515	490	465	
	Double Tyre	2W 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2W 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2W 450	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		2W 500	2650	2420	2225	2060	1920	1795	1685	1590	1505	1425	1355
		2F 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2F 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2F 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2F 420	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 385	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		3F 430	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		3F 475	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		3F 515	2550	2330	2140	1980	1845	1725	1620	1530	1445	1370	1305
		3F 550	2450	2235	2055	1905	1775	1660	1560	1470	1390	1320	1255
		3F 600	2350	2145	1975	1825	1700	1590	1495	1410	1335	1265	1205
		3F 650	2100	1915	1765	1630	1520	1420	1335	1260	1190	1130	1075
		3F 700	1850	1690	1555	1440	1340	1250	1175	1110	1050	995	945
		3V 385	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
		3V 430	2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395
		3V 470	2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340
		3V 505	2500	2285	2105	1950	1820	1700	1600	1510	1430	1355	1290
		3V 555	2400	2195	2020	1875	1745	1635	1535	1450	1370	1300	1240
		3V 600	2300	2100	1935	1795	1670	1565	1470	1390	1315	1245	1185
		3V 650	2050	1875	1725	1600	1490	1395	1310	1235	1170	1110	1060
		3V 700	1800	1645	1515	1405	1310	1225	1150	1085	1030	975	930

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2W 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2W 450	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		2W 500	2500	2280	2100	1945	1810	1695	1590	1500	1420	1345	1280
		2F 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2F 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2F 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2F 420	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 385	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 430	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 475	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 515	2350	2145	1975	1825	1700	1590	1495	1410	1335	1265	1205
		3F 550	1750	1595	1470	1360	1265	1185	1115	1050	990	940	895
		3F 600	1150	1050	965	895	830	780	730	690	650	620	590
		3V 385	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
		3V 430	2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395
	3V 470	2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340	
	3V 505	2300	2100	1935	1795	1670	1565	1470	1390	1315	1245	1185	
	3V 555	1650	1510	1390	1285	1200	1125	1055	995	940	895	850	
	3V 600	1050	960	885	820	765	715	670	635	600	570	540	
	Double Tyre	2W 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2W 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2W 450	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		2W 500	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		2F 300	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 330	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2F 350	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2F 370	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		2F 400	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2F 420	2800	2555	2350	2175	2025	1895	1780	1680	1590	1505	1435
		3F 385	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		3F 430	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		3F 475	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		3F 515	2550	2330	2140	1980	1845	1725	1620	1530	1445	1370	1305
3F 550		2550	2330	2140	1980	1845	1725	1620	1530	1445	1370	1305	
3F 600		2450	2235	2055	1905	1775	1660	1560	1470	1390	1320	1255	
3F 650		2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150	
3F 700		2000	1825	1680	1555	1445	1355	1270	1200	1135	1075	1025	
3V 385		2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445	
3V 430		2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395	
3V 470		2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340	
3V 505		2500	2285	2105	1950	1820	1700	1600	1510	1430	1355	1290	
3V 555		2450	2240	2065	1910	1780	1670	1570	1480	1400	1330	1265	
3V 600		2450	2240	2065	1910	1780	1670	1570	1480	1400	1330	1265	
3V 650		2200	2010	1850	1715	1600	1500	1410	1330	1255	1195	1135	
3V 700		1950	1780	1640	1520	1420	1325	1250	1175	1115	1055	1005	

DX-32 <Side Shift-hook on type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 330	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 350	3150	2875	2645	2450	2280	2135	2005	1890	1785	1695	1610
		2W 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2W 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2W 450	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 500	2600	2375	2185	2020	1880	1760	1655	1560	1475	1400	1330
		2F 300	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 330	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 350	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2F 420	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 385	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 430	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 475	2900	2645	2435	2255	2100	1965	1845	1740	1645	1560	1485
		3F 515	2450	2235	2055	1905	1775	1660	1560	1470	1390	1320	1255
		3F 550	2000	1825	1680	1555	1445	1355	1270	1200	1135	1075	1025
		3F 600	1200	1095	1005	935	870	810	765	720	680	645	615
		3V 385	3000	2740	2525	2340	2180	2040	1920	1810	1715	1625	1550
		3V 430	2900	2650	2440	2265	2110	1975	1855	1750	1655	1575	1495
		3V 470	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
		3V 505	2350	2150	1980	1835	1710	1600	1505	1420	1345	1275	1215
		3V 555	1700	1555	1430	1325	1235	1155	1090	1025	970	920	875
		3V 600	1100	1005	925	860	800	750	705	665	630	595	565
	Double Tyre	2W 300	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 330	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 350	3150	2875	2645	2450	2280	2135	2005	1890	1785	1695	1610
		2W 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2W 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2W 450	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 500	2850	2600	2395	2215	2065	1930	1815	1710	1615	1535	1460
		2F 300	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 330	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 350	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2F 420	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 385	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		3F 430	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		3F 475	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		3F 515	2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405
		3F 550	2650	2420	2225	2060	1920	1795	1685	1590	1505	1425	1355
		3F 600	2550	2330	2140	1980	1845	1725	1620	1530	1445	1370	1305
		3F 650	2300	2100	1930	1790	1665	1555	1465	1380	1305	1235	1175
		3F 700	2050	1870	1720	1595	1485	1390	1305	1230	1165	1105	1050
		3V 385	3000	2740	2525	2340	2180	2040	1920	1810	1715	1625	1550
		3V 430	2900	2650	2440	2265	2110	1975	1855	1750	1655	1575	1495
		3V 470	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
		3V 505	2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395
		3V 555	2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340
		3V 600	2500	2285	2105	1950	1820	1700	1600	1510	1430	1355	1290
		3V 650	2250	2055	1895	1755	1635	1530	1440	1360	1285	1220	1160
		3V 700	2000	1830	1685	1560	1455	1360	1280	1205	1145	1085	1030

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 330	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 350	3150	2875	2645	2450	2280	2135	2005	1890	1785	1695	1610
		2W 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2W 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2W 450	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2W 500	2700	2465	2265	2100	1955	1830	1715	1620	1530	1455	1380
		2F 300	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 330	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 350	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2F 420	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 385	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 430	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 475	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 515	2550	2330	2140	1980	1845	1725	1620	1530	1445	1370	1305
		3F 550	1950	1780	1635	1515	1410	1320	1240	1170	1105	1050	1000
		3F 600	1350	1230	1135	1050	975	915	860	810	765	725	690
		3V 385	3000	2740	2525	2340	2180	2040	1920	1810	1715	1625	1550
		3V 430	2900	2650	2440	2265	2110	1975	1855	1750	1655	1575	1495
		3V 470	2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445
		3V 505	2500	2285	2105	1950	1820	1700	1600	1510	1430	1355	1290
		3V 555	1850	1690	1555	1445	1345	1260	1185	1115	1055	1005	955
		3V 600	1250	1140	1050	975	910	850	800	755	715	680	645
	Double Tyre	2W 300	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 330	3200	2920	2685	2490	2315	2165	2035	1920	1815	1720	1640
		2W 350	3150	2875	2645	2450	2280	2135	2005	1890	1785	1695	1610
		2W 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2W 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2W 450	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		2W 500	2950	2695	2475	2295	2135	1995	1875	1770	1675	1585	1510
		2F 300	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 330	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 350	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 370	3100	2830	2605	2410	2245	2100	1970	1860	1760	1670	1585
		2F 400	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		2F 420	3000	2740	2520	2330	2170	2030	1910	1800	1700	1615	1535
		3F 385	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
		3F 430	3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560
3F 475		3050	2785	2560	2370	2210	2065	1940	1830	1730	1640	1560	
3F 515		2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405	
3F 550		2750	2510	2310	2140	1990	1860	1750	1650	1560	1480	1405	
3F 600		2650	2420	2225	2060	1920	1795	1685	1590	1505	1425	1355	
3F 650		2450	2235	2055	1905	1775	1660	1560	1470	1390	1320	1255	
3F 700		2200	2010	1845	1710	1590	1490	1400	1320	1250	1185	1125	
3V 385		3000	2740	2525	2340	2180	2040	1920	1810	1715	1625	1550	
3V 430		2900	2650	2440	2265	2110	1975	1855	1750	1655	1575	1495	
3V 470		2800	2560	2360	2185	2035	1905	1790	1690	1600	1520	1445	
3V 505		2700	2470	2275	2105	1965	1840	1730	1630	1545	1465	1395	
3V 555	2650	2420	2230	2070	1925	1805	1695	1600	1515	1435	1365		
3V 600	2650	2420	2230	2070	1925	1805	1695	1600	1515	1435	1365		
3V 650	2450	2240	2065	1910	1780	1670	1570	1480	1400	1330	1265		
3V 700	2150	1965	1810	1680	1565	1465	1375	1300	1230	1165	1110		

Loading Capacity Side Shift-Integral Type

DX-20 <Side Shift-integral type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 450	1950	1770	1620	1495	1385	1290	1210	1135	1075	1015	965
		2W 500	1800	1635	1495	1380	1280	1190	1115	1050	990	940	890
		2F 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 420	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		3F 385	2000	1820	1665	1540	1430	1330	1250	1175	1110	1050	1000
		3F 430	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975
		3F 475	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 515	1550	1410	1290	1190	1105	1030	970	910	860	815	775
		3F 550	1450	1320	1210	1115	1035	965	905	850	805	760	725
		3F 600	950	865	790	730	680	635	595	560	525	500	475
		3V 360	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985
		3V 405	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960
	3V 450	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910	
	3V 490	1650	1505	1380	1275	1185	1110	1040	980	925	880	835	
	3V 525	1450	1320	1215	1120	1040	975	915	860	815	770	735	
	3V 575	1200	1095	1005	930	860	805	755	710	675	640	605	
	Double Tyre	2W 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 450	1950	1770	1620	1495	1385	1290	1210	1135	1075	1015	965
		2W 500	1850	1680	1535	1415	1315	1225	1145	1080	1020	965	915
		2F 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 420	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		3F 385	2000	1820	1665	1540	1430	1330	1250	1175	1110	1050	1000
		3F 430	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975
		3F 475	1850	1680	1540	1420	1320	1230	1155	1085	1025	975	925
		3F 515	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 550	1750	1590	1460	1345	1250	1165	1095	1030	970	920	875
		3F 600	1650	1500	1375	1270	1180	1100	1030	970	915	870	825
		3F 650	1550	1410	1290	1190	1105	1030	970	910	860	815	775
		3F 700	1250	1135	1040	960	890	835	780	735	695	655	625
		3V 360	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985
		3V 405	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960
		3V 450	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910
		3V 490	1750	1595	1465	1355	1260	1175	1105	1040	980	930	885
		3V 525	1700	1550	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1650	1505	1380	1275	1185	1110	1040	980	925	880	835
		3V 633	1550	1410	1295	1200	1115	1040	975	920	870	825	785
		3V 688	1250	1140	1045	965	900	840	790	740	700	665	630

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid(super elastic)	Single Tyre	2W 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 450	1950	1770	1620	1495	1385	1290	1210	1135	1075	1015	965	
		2W 500	1800	1635	1495	1380	1280	1190	1115	1050	990	940	890	
		2F 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 420	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		3F 385	2000	1820	1665	1540	1430	1330	1250	1175	1110	1050	1000	
		3F 430	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975	
		3F 475	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900	
		3F 515	1600	1455	1335	1230	1140	1065	1000	940	890	840	800	
		3F 550	1550	1410	1290	1190	1105	1030	970	910	860	815	775	
		3F 600	1150	1045	960	885	820	765	720	675	640	605	575	
		3V 360	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985	
		3V 405	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960	
		3V 450	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910	
		3V 490	1650	1505	1380	1275	1185	1110	1040	980	925	880	835	
		3V 525	1500	1365	1255	1160	1080	1005	945	890	840	800	760	
	3V 575	1300	1185	1085	1005	935	875	820	770	730	690	655		
	Double Tyre	2W 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2W 450	1950	1770	1620	1495	1385	1290	1210	1135	1075	1015	965	
		2W 500	1850	1680	1535	1415	1315	1225	1145	1080	1020	965	915	
		2F 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		2F 420	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990	
		3F 385	2000	1820	1665	1540	1430	1330	1250	1175	1110	1050	1000	
		3F 430	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975	
		3F 475	1900	1725	1585	1460	1355	1265	1185	1115	1055	1000	950	
		3F 515	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900	
		3F 550	1750	1590	1460	1345	1250	1165	1095	1030	970	920	875	
		3F 600	1700	1545	1415	1305	1215	1130	1060	1000	945	895	850	
		3F 650	1650	1500	1375	1270	1180	1100	1030	970	915	870	825	
		3F 700	1450	1320	1210	1115	1035	965	905	850	805	760	725	
		3V 360	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985	
		3V 405	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960	
3V 450		1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910		
3V 490	1750	1595	1465	1355	1260	1175	1105	1040	980	930	885			
3V 525	1700	1550	1420	1315	1220	1140	1070	1010	955	905	860			
3V 575	1650	1505	1380	1275	1185	1110	1040	980	925	880	835			
3F 633	1600	1455	1340	1235	1150	1075	1010	950	900	850	810			
3V 688	1350	1230	1130	1045	970	905	850	800	755	720	685			

DX-20 <Side Shift-integral type>

Unit:kg

		Load centre	500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name													
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2W 450	1950	1770	1620	1495	1385	1290	1210	1135	1075	1015	965
		2W 500	1850	1680	1535	1415	1315	1225	1145	1080	1020	965	915
		2F 300	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 330	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 350	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 370	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 400	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 420	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		3F 385	2000	1820	1665	1540	1430	1330	1250	1175	1110	1050	1000
		3F 430	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975
		3F 475	1850	1680	1540	1420	1320	1230	1155	1085	1025	975	925
		3F 515	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 550	1750	1590	1460	1345	1250	1165	1095	1030	970	920	875
		3F 600	1650	1500	1375	1270	1180	1100	1030	970	915	870	825
		3F 650	1400	1270	1165	1075	1000	935	875	825	775	735	700
		3F 700	1000	910	835	770	715	665	625	585	555	525	500
		3V 360	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985
		3V 405	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960
		3V 450	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910
		3V 490	1750	1595	1465	1355	1260	1175	1105	1040	980	930	885
		3V 525	1700	1550	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1650	1505	1380	1275	1185	1110	1040	980	925	880	835
		3V 633	1500	1365	1255	1160	1080	1005	945	890	840	800	760
		3V 688	1100	1000	920	850	790	740	695	655	615	585	555

DX-25 <Side Shift-integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
		Mast name											
Pneumatic	Single Tyre	2W 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 450	2300	2085	1910	1760	1635	1525	1425	1340	1265	1200	1140
		2W 500	2000	1815	1660	1530	1420	1325	1240	1165	1100	1045	990
		2F 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 420	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		3F 385	2500	2270	2080	1920	1785	1665	1560	1470	1390	1315	1250
		3F 430	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3F 475	2050	1865	1710	1575	1465	1365	1280	1205	1140	1080	1025
		3F 515	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 550	1650	1500	1375	1270	1180	1100	1030	970	915	870	825
		3F 600	1050	955	875	805	750	700	655	615	585	550	525
		3V 360	2450	2230	2050	1895	1760	1645	1545	1455	1375	1305	1240
		3V 405	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190
		3V 450	2050	1865	1715	1585	1475	1375	1290	1215	1150	1090	1035
		3V 490	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910
		3V 525	1600	1455	1340	1235	1150	1075	1010	950	900	850	810
		3V 575	1300	1185	1085	1005	935	875	820	770	730	690	655
	Double Tyre	2W 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 450	2450	2225	2035	1875	1740	1620	1520	1430	1350	1275	1215
		2W 500	2350	2130	1950	1800	1670	1555	1460	1370	1295	1225	1165
		2F 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 420	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		3F 385	2500	2270	2080	1920	1785	1665	1560	1470	1390	1315	1250
		3F 430	2450	2225	2040	1885	1750	1630	1530	1440	1360	1290	1225
		3F 475	2350	2135	1960	1805	1680	1565	1470	1380	1305	1235	1175
		3F 515	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3F 550	2200	2000	1835	1690	1570	1465	1375	1295	1220	1155	1100
		3F 600	2100	1910	1750	1615	1500	1400	1310	1235	1165	1105	1050
		3F 650	1650	1500	1375	1270	1180	1100	1030	970	915	870	825
		3F 700	1300	1180	1085	1000	930	865	810	765	720	685	650
		3V 360	2450	2230	2050	1895	1760	1645	1545	1455	1375	1305	1240
		3V 405	2400	2185	2005	1855	1725	1610	1515	1425	1345	1275	1215
		3V 450	2300	2095	1925	1780	1655	1545	1450	1365	1290	1225	1165
		3V 490	2200	2005	1840	1700	1580	1480	1385	1305	1235	1170	1115
		3V 525	2150	1960	1800	1660	1545	1445	1355	1275	1205	1145	1085
		3V 575	2100	1915	1755	1625	1510	1410	1325	1245	1180	1115	1060
		3V 633	1800	1640	1505	1390	1295	1210	1135	1070	1010	960	910
		3V 688	1350	1230	1130	1045	970	905	850	800	755	720	685

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 450	2350	2130	1950	1800	1670	1555	1460	1370	1295	1225	1165
		2W 500	2100	1905	1745	1610	1490	1390	1305	1225	1155	1095	1040
		2F 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 420	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		3F 385	2500	2270	2080	1920	1785	1665	1560	1470	1390	1315	1250
		3F 430	2350	2135	1960	1805	1680	1565	1470	1380	1305	1235	1175
		3F 475	2150	1955	1790	1655	1535	1430	1345	1265	1195	1130	1075
		3F 515	1950	1770	1625	1500	1390	1300	1220	1145	1080	1025	975
		3F 550	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 600	1350	1225	1125	1040	965	900	845	795	750	710	675
		3V 360	2450	2230	2050	1895	1760	1645	1545	1455	1375	1305	1240
		3V 405	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190
		3V 450	2100	1915	1755	1625	1510	1410	1325	1245	1180	1115	1060
		3V 490	1900	1730	1590	1470	1365	1275	1200	1130	1065	1010	960
		3V 525	1750	1595	1465	1355	1260	1175	1105	1040	980	930	885
		3V 575	1500	1365	1255	1160	1080	1005	945	890	840	800	760
	Double Tyre	2W 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 450	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 500	2450	2225	2035	1875	1740	1620	1520	1430	1350	1275	1215
		2F 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 420	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		3F 385	2500	2270	2080	1920	1785	1665	1560	1470	1390	1315	1250
		3F 430	2450	2225	2040	1885	1750	1630	1530	1440	1360	1290	1225
		3F 475	2350	2135	1960	1805	1680	1565	1470	1380	1305	1235	1175
		3F 515	2350	2135	1960	1805	1680	1565	1470	1380	1305	1235	1175
		3F 550	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3F 600	2200	2000	1835	1690	1570	1465	1375	1295	1220	1155	1100
		3F 650	1800	1635	1500	1385	1285	1200	1125	1060	1000	945	900
		3F 700	1600	1455	1335	1230	1140	1065	1000	940	890	840	800
		3V 360	2450	2230	2050	1895	1760	1645	1545	1455	1375	1305	1240
		3V 405	2400	2185	2005	1855	1725	1610	1515	1425	1345	1275	1215
3V 450	2300	2095	1925	1780	1655	1545	1450	1365	1290	1225	1165		
3V 490	2200	2005	1840	1700	1580	1480	1385	1305	1235	1170	1115		
3V 525	2150	1960	1800	1660	1545	1445	1355	1275	1205	1145	1085		
3V 575	2100	1915	1755	1625	1510	1410	1325	1245	1180	1115	1060		
3V 633	1950	1775	1630	1510	1400	1310	1230	1160	1095	1035	985		
3V 688	1550	1410	1295	1200	1115	1040	975	920	870	825	785		

DX-25 <Side Shift-integral type>

Unit:kg

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2W 450	2450	2225	2035	1875	1740	1620	1520	1430	1350	1275	1215
		2W 500	2350	2130	1950	1800	1670	1555	1460	1370	1295	1225	1165
		2F 300	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 330	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 350	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 370	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 400	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		2F 420	2500	2270	2075	1915	1775	1655	1550	1460	1375	1305	1240
		3F 385	2500	2270	2080	1920	1785	1665	1560	1470	1390	1315	1250
		3F 430	2450	2225	2040	1885	1750	1630	1530	1440	1360	1290	1225
		3F 475	2350	2135	1960	1805	1680	1565	1470	1380	1305	1235	1175
		3F 515	2300	2090	1915	1770	1640	1530	1435	1350	1275	1210	1150
		3F 550	2200	2000	1835	1690	1570	1465	1375	1295	1220	1155	1100
		3F 600	2100	1910	1750	1615	1500	1400	1310	1235	1165	1105	1050
		3F 650	1450	1320	1210	1115	1035	965	905	850	805	760	725
		3F 700	1100	1000	915	845	785	735	685	645	610	580	550
		3V 360	2450	2230	2050	1895	1760	1645	1545	1455	1375	1305	1240
		3V 405	2400	2185	2005	1855	1725	1610	1515	1425	1345	1275	1215
		3V 450	2300	2095	1925	1780	1655	1545	1450	1365	1290	1225	1165
		3V 490	2200	2005	1840	1700	1580	1480	1385	1305	1235	1170	1115
		3V 525	2150	1960	1800	1660	1545	1445	1355	1275	1205	1145	1085
		3V 575	2100	1915	1755	1625	1510	1410	1325	1245	1180	1115	1060
		3V 633	1700	1550	1420	1315	1220	1140	1070	1010	955	905	860
		3V 688	1200	1095	1005	930	860	805	755	710	675	640	605

DX-30 <Side Shift-integral type>

Mast name		Load centre											
		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Pneumatic	Single Tyre	2W 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 450	2900	2640	2420	2235	2080	1940	1820	1715	1620	1535	1460
		2W 500	2500	2275	2090	1930	1790	1675	1570	1480	1395	1325	1260
		2F 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 420	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 385	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 430	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		3F 475	2800	2550	2340	2160	2005	1875	1760	1655	1565	1485	1410
		3F 515	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1185
		3F 550	1850	1685	1545	1425	1325	1240	1160	1095	1035	980	930
		3F 600	1400	1275	1170	1080	1005	935	880	830	780	740	705
		3V 385	2950	2690	2470	2285	2125	1985	1865	1755	1660	1575	1500
		3V 430	2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470
		3V 470	2750	2505	2305	2130	1980	1850	1740	1640	1550	1470	1395
		3V 505	2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1170
		3V 555	1800	1640	1505	1395	1295	1210	1140	1070	1015	960	915
		3V 600	1350	1230	1130	1045	970	910	855	805	760	720	685
	Double Tyre	2W 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 450	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		2W 500	2850	2595	2380	2200	2045	1910	1790	1685	1595	1510	1435
		2F 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 420	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 385	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 430	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		3F 475	2850	2595	2380	2200	2045	1910	1790	1685	1595	1510	1435
		3F 515	2700	2455	2255	2085	1935	1810	1695	1595	1510	1430	1360
		3F 550	2650	2410	2215	2045	1900	1775	1665	1565	1480	1405	1335
		3F 600	2500	2275	2090	1930	1790	1675	1570	1480	1395	1325	1260
		3F 650	2200	2000	1835	1695	1575	1475	1380	1300	1230	1165	1105
		3F 700	1900	1730	1585	1465	1360	1270	1195	1125	1060	1005	955
		3V 385	2950	2690	2470	2285	2125	1985	1865	1755	1660	1575	1500
		3V 430	2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470
		3V 470	2800	2550	2345	2170	2015	1885	1770	1670	1575	1495	1420
		3V 505	2700	2460	2260	2090	1945	1820	1705	1610	1520	1440	1370
		3V 555	2600	2370	2175	2015	1875	1750	1645	1550	1465	1390	1320
		3V 600	2400	2185	2010	1860	1730	1615	1515	1430	1350	1280	1220
		3V 650	2100	1915	1760	1625	1515	1415	1325	1250	1180	1120	1065
		3V 700	1900	1730	1590	1470	1370	1280	1200	1130	1070	1015	965

Unit:kg

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic type solid(super elastic)	Single Tyre	2W 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 450	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		2W 500	2600	2365	2170	2005	1865	1740	1635	1540	1455	1375	1310
		2F 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 420	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 385	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 430	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		3F 475	2800	2550	2340	2160	2005	1875	1760	1655	1565	1485	1410
		3F 515	2500	2275	2090	1930	1790	1675	1570	1480	1395	1325	1260
		3F 550	2050	1865	1710	1580	1470	1370	1285	1210	1145	1085	1030
		3F 600	1600	1455	1335	1235	1145	1070	1005	945	895	845	805
		3V 385	2950	2690	2470	2285	2125	1985	1865	1755	1660	1575	1500
		3V 430	2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470
		3V 470	2750	2505	2305	2130	1980	1850	1740	1640	1550	1470	1395
		3V 505	2450	2235	2050	1900	1765	1650	1550	1460	1380	1310	1245
		3V 555	2000	1825	1675	1550	1440	1345	1265	1190	1125	1070	1015
		3V 600	1600	1460	1340	1240	1155	1075	1010	955	900	855	810
	Double Tyre	2W 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 450	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2W 500	2900	2640	2420	2235	2080	1940	1820	1715	1620	1535	1460
		2F 300	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 330	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 350	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 370	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 400	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		2F 420	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 385	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 430	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
		3F 475	2850	2595	2380	2200	2045	1910	1790	1685	1595	1510	1435
		3F 515	2750	2505	2295	2120	1970	1840	1725	1625	1535	1455	1385
3F 550		2750	2505	2295	2120	1970	1840	1725	1625	1535	1455	1385	
3F 600		2650	2410	2215	2045	1900	1775	1665	1565	1480	1405	1335	
3F 650		2400	2185	2005	1850	1720	1605	1505	1420	1340	1270	1210	
3F 700		2100	1910	1755	1620	1505	1405	1320	1240	1175	1110	1055	
3V 385		3000	2735	2510	2325	2160	2020	1895	1785	1690	1600	1525	
3V 430		2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470	
3V 470		2800	2550	2345	2170	2015	1885	1770	1670	1575	1495	1420	
3V 505		2700	2460	2260	2090	1945	1820	1705	1610	1520	1440	1370	
3V 555		2700	2460	2260	2090	1945	1820	1705	1610	1520	1440	1370	
3V 600		2550	2325	2135	1975	1835	1715	1610	1520	1435	1360	1295	
3V 650	2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1170		
3V 700	2150	1960	1800	1665	1550	1450	1360	1280	1210	1150	1090		

DX-32 <Side Shift-integral type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 330	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 350	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 370	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 400	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 450	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2W 500	2700	2455	2255	2085	1935	1810	1695	1595	1510	1430	1360
		2F 300	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 330	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 350	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 370	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 400	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 420	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 385	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 430	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 475	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 515	2550	2320	2130	1965	1830	1705	1600	1510	1425	1350	1285
		3F 550	2050	1865	1710	1580	1470	1370	1285	1210	1145	1085	1030
		3F 600	1600	1455	1335	1235	1145	1070	1005	945	895	845	805
		3V 385	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 430	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 470	2950	2690	2470	2285	2125	1985	1865	1755	1660	1575	1500
		3V 505	2500	2280	2095	1935	1800	1685	1580	1490	1410	1335	1270
		3V 555	2000	1825	1675	1550	1440	1345	1265	1190	1125	1070	1015
		3V 600	1550	1415	1300	1200	1115	1045	980	925	875	825	785
	Double Tyre	2W 300	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 330	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 350	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 370	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 400	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 450	3150	2865	2630	2430	2260	2110	1980	1865	1760	1670	1585
		2W 500	3050	2775	2545	2355	2185	2040	1915	1805	1705	1615	1535
		2F 300	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 330	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 350	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 370	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 400	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 420	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 385	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 430	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 475	3050	2775	2545	2355	2185	2040	1915	1805	1705	1615	1535
		3F 515	2900	2640	2420	2235	2080	1940	1820	1715	1620	1535	1460
		3F 550	2850	2595	2380	2200	2045	1910	1790	1685	1595	1510	1435
		3F 600	2700	2455	2255	2085	1935	1810	1695	1595	1510	1430	1360
		3F 650	2350	2140	1960	1815	1685	1575	1475	1390	1315	1245	1185
		3F 700	1950	1775	1630	1505	1400	1305	1225	1155	1090	1035	980
		3V 385	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 430	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 470	3000	2735	2510	2325	2160	2020	1895	1785	1690	1600	1525
		3V 505	2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470
		3V 555	2800	2550	2345	2170	2015	1885	1770	1670	1575	1495	1420
		3V 600	2600	2370	2175	2015	1875	1750	1645	1550	1465	1390	1320
		3V 650	2300	2095	1925	1780	1655	1550	1455	1370	1295	1230	1170
		3V 700	2100	1915	1760	1625	1515	1415	1325	1250	1180	1120	1065

Unit:kg

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name		mm											
Pneumatic type solid(super elastic)	Single Tyre	2W 300	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 330	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 350	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 370	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 400	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 450	3150	2865	2630	2430	2260	2110	1980	1865	1760	1670	1585
		2W 500	2800	2550	2340	2160	2005	1875	1760	1655	1565	1485	1410
		2F 300	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 330	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 350	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 370	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 400	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 420	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 385	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 430	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 475	3000	2730	2505	2315	2150	2010	1885	1775	1675	1590	1510
		3F 515	2700	2455	2255	2085	1935	1810	1695	1595	1510	1430	1360
		3F 550	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190	1130
		3F 600	1800	1640	1505	1390	1290	1205	1130	1065	1005	955	905
		3V 385	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 430	3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575
		3V 470	2950	2690	2470	2285	2125	1985	1865	1755	1660	1575	1500
		3V 505	2650	2415	2220	2055	1910	1785	1675	1580	1490	1415	1345
		3V 555	2200	2005	1840	1705	1585	1480	1390	1310	1240	1175	1115
		3V 600	1800	1640	1505	1395	1295	1210	1140	1070	1015	960	915
	Double Tyre	2W 300	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 330	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 350	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 370	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 400	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 450	3200	2910	2670	2470	2295	2145	2010	1895	1790	1695	1610
		2W 500	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 300	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 330	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 350	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 370	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 400	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		2F 420	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 385	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 430	3100	2820	2590	2390	2225	2075	1945	1835	1730	1640	1560
		3F 475	3050	2775	2545	2355	2185	2040	1915	1805	1705	1615	1535
		3F 515	2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485
3F 550		2950	2685	2465	2275	2115	1975	1855	1745	1650	1560	1485	
3F 600		2850	2595	2380	2200	2045	1910	1790	1685	1595	1510	1435	
3F 650		2600	2365	2170	2005	1865	1740	1635	1540	1455	1375	1310	
3F 700		2300	2095	1920	1775	1650	1540	1445	1360	1285	1220	1155	
3V 385		3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575	
3V 430		3100	2825	2595	2400	2235	2090	1960	1845	1745	1655	1575	
3V 470		3000	2735	2510	2325	2160	2020	1895	1785	1690	1600	1525	
3V 505		2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470	
3V 555		2900	2645	2430	2245	2090	1955	1835	1725	1635	1550	1470	
3V 600		2750	2505	2305	2130	1980	1850	1740	1640	1550	1470	1395	
3V 650	2500	2280	2095	1935	1800	1685	1580	1490	1410	1335	1270		
3V 700	2350	2140	1970	1820	1695	1585	1485	1400	1325	1255	1195		

Loading Capacity Fork Positioner-Integral Type

DX-20 <Fork Positioner-integral type>

Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Tyre	2W 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 450	1800	1640	1510	1395	1295	1210	1140	1070	1015	960	915
		2W 500	1650	1505	1380	1280	1190	1110	1045	985	930	880	840
		2F 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 420	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		3F 385	1850	1690	1555	1440	1340	1255	1175	1110	1050	995	950
		3F 430	1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920
		3F 475	1650	1505	1385	1285	1195	1120	1050	990	935	890	845
		3F 515	1450	1325	1220	1130	1050	980	925	870	825	780	745
		3F 550	1350	1230	1135	1050	975	915	860	810	765	725	690
		3F 600	850	775	715	660	615	575	540	510	480	455	435
		3V 360	1800	1645	1515	1405	1310	1230	1155	1090	1030	980	930
	3V 405	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905	
	3V 450	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855	
	3V 490	1500	1370	1265	1170	1095	1025	965	910	860	815	775	
	3V 525	1300	1190	1095	1015	945	885	835	785	745	705	675	
	3V 575	1050	960	885	820	765	715	675	635	600	570	545	
	Double Tyre	2W 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 450	1800	1640	1510	1395	1295	1210	1140	1070	1015	960	915
		2W 500	1700	1550	1425	1315	1225	1145	1075	1015	960	910	865
		2F 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 420	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		3F 385	1850	1690	1555	1440	1340	1255	1175	1110	1050	995	950
		3F 430	1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920
		3F 475	1700	1550	1430	1320	1230	1150	1080	1020	965	915	870
		3F 515	1650	1505	1385	1285	1195	1120	1050	990	935	890	845
		3F 550	1600	1460	1345	1245	1160	1085	1020	960	910	860	820
		3F 600	1550	1415	1300	1205	1120	1050	985	930	880	835	795
		3F 650	1450	1325	1220	1130	1050	980	925	870	825	780	745
		3F 700	1150	1050	965	895	830	780	730	690	650	620	590
		3V 360	1800	1645	1515	1405	1310	1230	1155	1090	1030	980	930
		3V 405	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905
		3V 450	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855
		3V 490	1600	1465	1350	1250	1165	1090	1025	970	915	870	830
		3V 525	1550	1420	1305	1210	1130	1060	995	940	890	845	805
		3V 575	1500	1370	1265	1170	1095	1025	965	910	860	815	775
		3V 633	1400	1280	1180	1095	1020	955	900	850	800	760	725
		3V 688	1100	1005	925	860	800	750	705	665	630	600	570

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid(super elastic)	Single Tyre	2W 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 450	1800	1640	1510	1395	1295	1210	1140	1070	1015	960	915	
		2W 500	1650	1505	1380	1280	1190	1110	1045	985	930	880	840	
		2F 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 420	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		3F 385	1850	1690	1555	1440	1340	1255	1175	1110	1050	995	950	
		3F 430	1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920	
		3F 475	1650	1505	1385	1285	1195	1120	1050	990	935	890	845	
		3F 515	1500	1370	1260	1165	1085	1015	955	900	850	810	770	
		3F 550	1450	1325	1220	1130	1050	980	925	870	825	780	745	
		3F 600	1050	960	880	815	760	710	670	630	595	565	540	
		3V 360	1800	1645	1515	1405	1310	1230	1155	1090	1030	980	930	
		3V 405	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905	
		3V 450	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855	
		3V 490	1500	1370	1265	1170	1095	1025	965	910	860	815	775	
		3V 525	1350	1235	1140	1055	985	920	865	815	775	735	700	
		3V 575	1150	1050	970	900	840	785	740	695	660	625	595	
	Double Tyre	2W 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2W 450	1800	1640	1510	1395	1295	1210	1140	1070	1015	960	915	
		2W 500	1700	1550	1425	1315	1225	1145	1075	1015	960	910	865	
		2F 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
		2F 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940	
2F 400		1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940		
2F 420		1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940		
3F 385		1850	1690	1555	1440	1340	1255	1175	1110	1050	995	950		
3F 430		1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920		
3F 475		1750	1595	1470	1360	1265	1185	1115	1050	995	940	895		
3F 515		1650	1505	1385	1285	1195	1120	1050	990	935	890	845		
3F 550		1600	1460	1345	1245	1160	1085	1020	960	910	860	820		
3F 600		1550	1415	1300	1205	1120	1050	985	930	880	835	795		
3F 650		1550	1415	1300	1205	1120	1050	985	930	880	835	795		
3F 700		1350	1230	1135	1050	975	915	860	810	765	725	690		
3V 360	1800	1645	1515	1405	1310	1230	1155	1090	1030	980	930			
3V 405	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905			
3V 450	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855			
3V 490	1600	1465	1350	1250	1165	1090	1025	970	915	870	830			
3V 525	1550	1420	1305	1210	1130	1060	995	940	890	845	805			
3V 575	1500	1370	1265	1170	1095	1025	965	910	860	815	775			
3V 633	1450	1325	1220	1135	1055	990	930	880	830	790	750			
3V 688	1200	1095	1010	940	875	820	770	725	690	655	620			

DX

DX-20 <Fork Positioner-integral type>

Unit:kg

		Load centre Mast name	500	600	700	800	900	1000	1100	1200	1300	1400	1500
			mm										
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2W 450	1800	1640	1510	1395	1295	1210	1140	1070	1015	960	915
		2W 500	1700	1550	1425	1315	1225	1145	1075	1015	960	910	865
		2F 300	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 330	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 350	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 370	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 400	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 420	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		3F 385	1850	1690	1555	1440	1340	1255	1175	1110	1050	995	950
		3F 430	1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920
		3F 475	1700	1550	1430	1320	1230	1150	1080	1020	965	915	870
		3F 515	1650	1505	1385	1285	1195	1120	1050	990	935	890	845
		3F 550	1600	1460	1345	1245	1160	1085	1020	960	910	860	820
		3F 600	1550	1415	1300	1205	1120	1050	985	930	880	835	795
		3F 650	1300	1185	1090	1010	940	880	825	780	740	700	665
		3F 700	900	820	755	700	650	610	570	540	510	485	460
		3V 360	1800	1645	1515	1405	1310	1230	1155	1090	1030	980	930
		3V 405	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905
		3V 450	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855
		3V 490	1600	1465	1350	1250	1165	1090	1025	970	915	870	830
		3V 525	1550	1420	1305	1210	1130	1060	995	940	890	845	805
		3V 575	1500	1370	1265	1170	1095	1025	965	910	860	815	775
		3V 633	1350	1235	1140	1055	985	920	865	815	775	735	700
		3V 688	1000	915	845	780	730	680	640	605	575	545	520

DX-25 <Fork Positioner-integrated type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 450	2100	1915	1760	1625	1515	1415	1330	1250	1185	1120	1065
		2W 500	1850	1685	1550	1435	1335	1245	1170	1100	1040	990	940
		2F 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 420	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		3F 385	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 430	2150	1965	1805	1670	1555	1455	1370	1290	1220	1160	1100
		3F 475	1900	1735	1595	1480	1375	1285	1210	1140	1080	1025	975
		3F 515	1650	1505	1385	1285	1195	1120	1050	990	935	890	845
		3F 550	1550	1415	1300	1205	1120	1050	985	930	880	835	795
		3F 600	950	865	800	740	690	645	605	570	540	510	485
		3V 360	2250	2060	1895	1760	1640	1535	1445	1365	1290	1225	1165
		3V 405	2150	1965	1815	1680	1565	1465	1380	1300	1235	1170	1115
	3V 450	1900	1740	1600	1485	1385	1295	1220	1150	1090	1035	985	
	3V 490	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855	
	3V 525	1450	1325	1220	1135	1055	990	930	880	830	790	750	
	3V 575	1150	1050	970	900	840	785	740	695	660	625	595	
	Double Type	2W 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 450	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 500	2150	1960	1800	1665	1550	1450	1360	1280	1210	1150	1090
		2F 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 420	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		3F 385	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 430	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 475	2200	2010	1850	1710	1595	1490	1400	1320	1250	1185	1125
		3F 515	2150	1965	1805	1670	1555	1455	1370	1290	1220	1160	1100
		3F 550	2050	1870	1720	1595	1485	1390	1305	1230	1165	1105	1050
		3F 600	1950	1780	1640	1515	1410	1320	1240	1170	1105	1050	1000
		3F 650	1550	1415	1300	1205	1120	1050	985	930	880	835	795
		3F 700	1200	1095	1010	935	870	815	765	720	680	645	615
		3V 360	2250	2060	1895	1760	1640	1535	1445	1365	1290	1225	1165
		3V 405	2200	2010	1855	1720	1605	1500	1410	1330	1260	1195	1140
		3V 450	2100	1920	1770	1640	1530	1435	1350	1270	1205	1145	1090
		3V 490	2050	1875	1730	1605	1495	1400	1315	1240	1175	1115	1060
		3V 525	2000	1830	1685	1565	1455	1365	1285	1210	1145	1090	1035
		3V 575	1950	1785	1645	1525	1420	1330	1250	1180	1120	1060	1010
		3V 633	1650	1510	1390	1290	1200	1125	1060	1000	945	900	855
		3V 688	1200	1095	1010	940	875	820	770	725	690	655	620

Unit:kg

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic type solid(super elastic)	Single Type	2W 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 450	2150	1960	1800	1665	1550	1450	1360	1280	1210	1150	1090
		2W 500	1950	1775	1635	1510	1405	1315	1235	1160	1100	1040	990
		2F 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 420	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		3F 385	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 430	2200	2010	1850	1710	1595	1490	1400	1320	1250	1185	1125
		3F 475	2000	1825	1680	1555	1450	1355	1275	1200	1135	1075	1025
		3F 515	1800	1645	1510	1400	1305	1220	1145	1080	1020	970	920
		3F 550	1650	1505	1385	1285	1195	1120	1050	990	935	890	845
		3F 600	1250	1140	1050	970	905	845	795	750	710	675	640
		3V 360	2250	2060	1895	1760	1640	1535	1445	1365	1290	1225	1165
		3V 405	2150	1965	1815	1680	1565	1465	1380	1300	1235	1170	1115
		3V 450	1950	1785	1645	1525	1420	1330	1250	1180	1120	1060	1010
		3V 490	1750	1600	1475	1370	1275	1195	1125	1060	1005	950	905
		3V 525	1600	1465	1350	1250	1165	1090	1025	970	915	870	830
		3V 575	1350	1235	1140	1055	985	920	865	815	775	735	700
	Double Type	2W 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 450	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 500	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
2F 370		2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145	
2F 400		2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145	
2F 420		2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145	
3F 385		2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150	
3F 430		2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150	
3F 475		2200	2010	1850	1710	1595	1490	1400	1320	1250	1185	1125	
3F 515		2200	2010	1850	1710	1595	1490	1400	1320	1250	1185	1125	
3F 550		2150	1965	1805	1670	1555	1455	1370	1290	1220	1160	1100	
3F 600		2050	1870	1720	1595	1485	1390	1305	1230	1165	1105	1050	

DX-25 <Fork Positioner-integral type>

Unit:kg

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Pneumatic type solid (super elastic)	Wide Single Tyre	2W 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 450	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2W 500	2150	1960	1800	1665	1550	1450	1360	1280	1210	1150	1090
		2F 300	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 330	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 350	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 370	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 400	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		2F 420	2250	2050	1885	1745	1620	1515	1425	1340	1270	1200	1145
		3F 385	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 430	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150
		3F 475	2200	2010	1850	1710	1595	1490	1400	1320	1250	1185	1125
		3F 515	2150	1965	1805	1670	1555	1455	1370	1290	1220	1160	1100
		3F 550	2050	1870	1720	1595	1485	1390	1305	1230	1165	1105	1050
		3F 600	1950	1780	1640	1515	1410	1320	1240	1170	1105	1050	1000
		3F 650	1350	1230	1135	1050	975	915	860	810	765	725	690
		3F 700	1000	915	840	775	725	675	635	600	565	540	510
		3V 360	2250	2060	1895	1760	1640	1535	1445	1365	1290	1225	1165
		3V 405	2200	2010	1855	1720	1605	1500	1410	1330	1260	1195	1140
		3V 450	2100	1920	1770	1640	1530	1435	1350	1270	1205	1145	1090
		3V 490	2050	1875	1730	1605	1495	1400	1315	1240	1175	1115	1060
		3V 525	2000	1830	1685	1565	1455	1365	1285	1210	1145	1090	1035
		3V 575	1950	1785	1645	1525	1420	1330	1250	1180	1120	1060	1010
		3V 633	1550	1420	1305	1210	1130	1060	995	940	890	845	805
		3V 688	1050	960	885	820	765	715	675	635	600	570	545

DX-30 <Fork Positioner-integrated type>

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name														
Pneumatic	Single Type	2W 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 450	2650	2425	2235	2075	1935	1810	1705	1610	1525	1445	1375	
		2W 500	2250	2060	1900	1760	1640	1540	1445	1365	1295	1230	1170	
		2F 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 420	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		3F 385	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 430	2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350	
		3F 475	2550	2335	2150	1995	1860	1745	1640	1550	1465	1390	1325	
		3F 515	2150	1970	1815	1685	1570	1470	1385	1305	1235	1175	1115	
		3F 550	1700	1555	1435	1330	1240	1160	1095	1030	975	930	885	
		3F 600	1250	1145	1055	980	910	855	805	760	720	680	650	
		3V 360	2700	2475	2285	2120	1980	1855	1745	1650	1565	1485	1415	
		3V 405	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390	
		3V 450	2500	2290	2115	1965	1835	1720	1615	1525	1445	1375	1310	
		3V 490	2050	1880	1735	1610	1505	1410	1325	1250	1185	1125	1075	
		3V 525	1600	1465	1355	1255	1175	1100	1035	975	925	880	840	
		3V 575	1200	1100	1015	940	880	825	775	735	695	660	630	
	Double Type	2W 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 450	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		2W 500	2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350	
		2F 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 420	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		3F 385	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 430	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 475	2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350	
		3F 515	2450	2240	2065	1920	1790	1675	1575	1485	1410	1335	1275	
		3F 550	2450	2240	2065	1920	1790	1675	1575	1485	1410	1335	1275	
		3F 600	2300	2105	1940	1800	1680	1575	1480	1395	1320	1255	1195	
		3F 650	2000	1830	1685	1565	1460	1365	1285	1215	1150	1090	1040	
		3F 700	1750	1600	1475	1370	1275	1195	1125	1060	1005	955	910	
		3V 360	2700	2475	2285	2120	1980	1855	1745	1650	1565	1485	1415	
		3V 405	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390	
		3V 450	2550	2335	2155	2005	1870	1755	1650	1560	1475	1400	1335	
		3V 490	2450	2245	2075	1925	1795	1685	1585	1495	1420	1345	1285	
		3V 525	2350	2155	1990	1845	1725	1615	1520	1435	1360	1290	1230	
		3V 575	2150	1970	1820	1690	1575	1480	1390	1315	1245	1180	1125	
		3V 633	1900	1740	1605	1490	1395	1305	1230	1160	1100	1045	995	
		3V 688	1700	1560	1440	1335	1245	1170	1100	1040	985	935	890	

Unit:kg

		Load centre		500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Mast name		mm										
Pneumatic type solid(super elastic)	Single Type	2W 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 450	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		2W 500	2350	2150	1985	1840	1715	1605	1510	1425	1350	1280	1220	
		2F 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 420	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		3F 385	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 430	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 475	2550	2335	2150	1995	1860	1745	1640	1550	1465	1390	1325	
		3F 515	2300	2105	1940	1800	1680	1575	1480	1395	1320	1255	1195	
		3F 550	1850	1695	1560	1450	1350	1265	1190	1125	1065	1010	960	
		3F 600	1450	1325	1225	1135	1060	990	930	880	835	790	755	
		3V 360	2700	2475	2285	2120	1980	1855	1745	1650	1565	1485	1415	
		3V 405	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390	
		3V 450	2500	2290	2115	1965	1835	1720	1615	1525	1445	1375	1310	
		3V 490	2200	2015	1860	1730	1615	1510	1425	1345	1275	1210	1150	
		3V 525	1800	1650	1525	1415	1320	1235	1165	1100	1040	990	940	
		3V 575	1400	1285	1185	1100	1025	960	905	855	810	770	735	
	Double Type	2W 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 450	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2W 500	2650	2425	2235	2075	1935	1810	1705	1610	1525	1445	1375	
		2F 300	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 330	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 350	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 370	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 400	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		2F 420	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430	
		3F 385	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
		3F 430	2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
3F 475		2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350		
3F 515		2500	2290	2110	1955	1825	1710	1610	1515	1435	1365	1300		
3F 550		2500	2290	2110	1955	1825	1710	1610	1515	1435	1365	1300		
3F 600		2450	2240	2065	1920	1790	1675	1575	1485	1410	1335	1275		
3F 650		2200	2015	1855	1720	1605	1505	1415	1335	1265	1200	1145		
3F 700		1900	1740	1605	1485	1385	1300	1220	1155	1090	1035	985		
3V 360		2750	2520	2325	2160	2015	1890	1780	1680	1590	1510	1440		
3V 405		2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390		
3V 450		2550	2335	2155	2005	1870	1755	1650	1560	1475	1400	1335		
3V 490		2450	2245	2075	1925	1795	1685	1585	1495	1420	1345	1285		
3V 525	2450	2245	2075	1925	1795	1685	1585	1495	1420	1345	1285			
3V 575	2300	2110	1945	1805	1685	1580	1490	1405	1330	1265	1205			
3V 633	2050	1880	1735	1610	1505	1410	1325	1250	1185	1125	1075			
3V 688	1950	1785	1650	1530	1430	1340	1260	1190	1130	1070	1020			

DX-32 <Fork Positioner-integrated type>

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic	Single Type	2W 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 450	2800	2565	2365	2190	2045	1915	1800	1700	1610	1530	1455
		2W 500	2450	2240	2065	1920	1790	1675	1575	1485	1410	1335	1275
		2F 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 420	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 385	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 430	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 475	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430
		3F 515	2350	2150	1985	1840	1715	1605	1510	1425	1350	1280	1220
		3F 550	1850	1695	1560	1450	1350	1265	1190	1125	1065	1010	960
		3F 600	1450	1325	1225	1135	1060	990	930	880	835	790	755
		3V 360	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465
		3V 405	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465
		3V 450	2700	2475	2285	2120	1980	1855	1745	1650	1565	1485	1415
		3V 490	2250	2060	1905	1765	1650	1545	1455	1375	1300	1235	1180
		3V 525	1800	1650	1525	1415	1320	1235	1165	1100	1040	990	940
		3V 575	1350	1235	1140	1060	990	930	875	825	780	740	705
	Double Type	2W 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 450	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 500	2800	2565	2365	2190	2045	1915	1800	1700	1610	1530	1455
		2F 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 420	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 385	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 430	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 475	2800	2565	2365	2190	2045	1915	1800	1700	1610	1530	1455
		3F 515	2650	2425	2235	2075	1935	1810	1705	1610	1525	1445	1375
		3F 550	2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350
		3F 600	2500	2290	2110	1955	1825	1710	1610	1515	1435	1365	1300
		3F 650	2150	1970	1815	1685	1570	1470	1385	1305	1235	1175	1115
		3F 700	1800	1645	1520	1410	1315	1230	1155	1090	1035	980	935
		3V 360	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465
		3V 405	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465
		3V 450	2750	2520	2325	2160	2015	1890	1780	1680	1590	1510	1440
		3V 490	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390
		3V 525	2550	2335	2155	2005	1870	1755	1650	1560	1475	1400	1335
		3V 575	2350	2155	1990	1845	1725	1615	1520	1435	1360	1290	1230
		3V 633	2050	1880	1735	1610	1505	1410	1325	1250	1185	1125	1075
		3V 688	1900	1740	1605	1490	1395	1305	1230	1160	1100	1045	995

Unit:kg

Load centre		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Pneumatic type solid(super elastic)	Single Type	2W 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 450	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 500	2550	2335	2150	1995	1860	1745	1640	1550	1465	1390	1325
		2F 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 420	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 385	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 430	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 475	2750	2515	2320	2155	2005	1880	1770	1670	1580	1500	1430
		3F 515	2500	2290	2110	1955	1825	1710	1610	1515	1435	1365	1300
		3F 550	2050	1875	1730	1605	1495	1400	1320	1245	1180	1120	1065
		3F 600	1650	1510	1390	1290	1205	1130	1060	1000	950	900	855
		3V 360	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465
	3V 405	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465	
	3V 450	2700	2475	2285	2120	1980	1855	1745	1650	1565	1485	1415	
	3V 490	2400	2200	2030	1885	1760	1650	1550	1465	1390	1320	1255	
	3V 525	2000	1835	1690	1570	1465	1375	1295	1220	1155	1100	1045	
	3V 575	1600	1465	1355	1255	1175	1100	1035	975	925	880	840	
	Double Type	2W 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 450	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2W 500	2800	2565	2365	2190	2045	1915	1800	1700	1610	1530	1455
		2F 300	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 330	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 350	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 370	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 400	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		2F 420	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 385	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
		3F 430	2850	2610	2405	2230	2080	1950	1835	1730	1640	1555	1480
3F 475		2800	2565	2365	2190	2045	1915	1800	1700	1610	1530	1455	
3F 515		2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
3F 550		2700	2470	2280	2115	1970	1845	1735	1640	1550	1475	1405	
3F 600		2600	2380	2195	2035	1900	1780	1670	1580	1495	1420	1350	
3F 650		2400	2195	2025	1880	1750	1640	1545	1455	1380	1310	1245	
3F 700	2100	1920	1770	1645	1535	1435	1350	1275	1205	1145	1090		
3V 360	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465		
3V 405	2800	2565	2370	2200	2055	1925	1810	1710	1620	1540	1465		
3V 450	2750	2520	2325	2160	2015	1890	1780	1680	1590	1510	1440		
3V 490	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390		
3V 525	2650	2430	2240	2080	1945	1820	1715	1620	1535	1455	1390		
3V 575	2500	2290	2115	1965	1835	1720	1615	1525	1445	1375	1310		
3V 633	2250	2060	1905	1765	1650	1545	1455	1375	1300	1235	1180		
3V 688	2100	1925	1775	1650	1540	1445	1360	1285	1215	1155	1100		

Truck Weight (with 1100 mm forks)

Unit:kg																	
		U1D2A20LQ	Y1D2A20Q	U1D2A20LQ	Y1D2A20Q	U1D2A25LQ	Y1D2A25Q	U1D2A25LQ	Y1D2A25Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A32LQ	YG1D2A32Q	UG1D2A32LQ	YG1D2A32Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	3340	3485	3430	3575	3700	3845	3790	3935	4220	4365	4305	4450	4390	4535	4475	4620
	2W 330	3365	3510	3455	3600	3725	3870	3815	3960	4245	4390	4330	4475	4415	4560	4500	4645
	2W 350	3385	3530	3475	3620	3745	3890	3835	3980	4270	4415	4355	4500	4440	4585	4525	4670
	2W 370	3440	3585	3530	3675	3800	3945	3890	4035	4325	4470	4410	4555	4495	4640	4580	4725
	2W 400	3470	3615	3560	3705	3830	3975	3920	4065	4360	4505	4445	4590	4530	4675	4615	4760
	2W 450	3515	3660	3605	3750	3875	4020	3965	4110	4405	4550	4490	4635	4575	4720	4660	4805
	2W 500	3555	3700	3645	3790	3915	4060	4005	4150	4450	4595	4535	4680	4620	4765	4705	4850
	2F 300	3325	3470	3415	3560	3685	3830	3775	3920	4230	4375	4315	4460	4400	4545	4485	4630
	2F 330	3350	3495	3440	3585	3710	3855	3800	3945	4255	4400	4340	4485	4425	4570	4510	4655
	2F 350	3375	3520	3465	3610	3735	3880	3825	3970	4275	4420	4360	4505	4445	4590	4530	4675
	2F 370	3415	3560	3505	3650	3775	3920	3865	4010	4315	4460	4400	4545	4485	4630	4570	4715
	2F 400	3445	3590	3535	3680	3805	3950	3895	4040	4350	4495	4435	4580	4520	4665	4605	4750
	2F 420	3460	3605	3550	3695	3820	3965	3910	4055	4365	4510	4450	4595	4535	4680	4620	4765
	3F 385	3495	3640	3585	3730	3855	4000	3945	4090	4415	4560	4500	4645	4585	4730	4670	4815
	3F 430	3530	3675	3620	3765	3890	4035	3980	4125	4450	4595	4535	4680	4620	4765	4705	4850
	3F 475	3565	3715	3655	3805	3925	4075	4015	4165	4485	4630	4570	4715	4655	4800	4740	4885
	3F 515	3600	3745	3690	3835	3960	4105	4050	4195	4550	4695	4635	4780	4720	4865	4805	4950
	3F 550	3665	3810	3755	3900	4025	4170	4115	4260	4600	4745	4685	4830	4770	4915	4855	5000
	3F 600	3710	3855	3800	3945	4070	4215	4160	4305	4660	4805	4745	4890	4830	4975	4915	5060
	3V 360 / 385	3510	3655	3600	3745	3870	4015	3960	4105	4435	4580	4520	4665	4605	4750	4690	4835
	3V 405 / 430	3550	3695	3640	3785	3910	4055	4000	4145	4475	4620	4560	4705	4645	4790	4730	4875
	3V 450 / 470	3585	3730	3675	3820	3945	4090	4035	4180	4510	4655	4595	4740	4680	4825	4765	4910
	3V 490 / 505	3620	3765	3710	3855	3980	4125	4070	4215	4580	4725	4665	4810	4750	4895	4835	4980
	3V 525 / 555	3690	3835	3780	3925	4050	4195	4140	4285	4630	4775	4715	4860	4800	4945	4885	5030
	3V 575 / 600	3735	3880	3825	3970	4095	4240	4185	4330	4695	4840	4780	4925	4865	5010	4950	5095
	Truck Weight without mast	2640	2785	2730	2875	3000	3145	3090	3235	3470	3615	3555	3700	3640	3785	3725	3870
Double Tyre	2W 300	3405	3550	3535	3680	3765	3910	3895	4040	4345	4490	4475	4620	4515	4660	4645	4790
	2W 330	3430	3575	3560	3705	3790	3935	3920	4065	4370	4515	4500	4645	4540	4685	4670	4815
	2W 350	3450	3595	3580	3725	3810	3955	3940	4085	4395	4540	4525	4670	4565	4710	4695	4840
	2W 370	3505	3650	3635	3780	3865	4010	3995	4140	4450	4595	4580	4725	4620	4765	4750	4895
	2W 400	3535	3680	3665	3810	3895	4040	4025	4170	4485	4630	4615	4760	4655	4800	4785	4930
	2W 450	3580	3725	3710	3855	3940	4085	4070	4215	4530	4675	4660	4805	4700	4845	4830	4975
	2W 500	3620	3765	3750	3895	3980	4125	4110	4255	4575	4720	4705	4850	4745	4890	4875	5020
	2F 300	3390	3535	3520	3665	3750	3895	3880	4025	4355	4500	4485	4630	4525	4670	4655	4800
	2F 330	3415	3560	3545	3690	3775	3920	3905	4050	4380	4525	4510	4655	4550	4695	4680	4825
	2F 350	3440	3585	3570	3715	3800	3945	3930	4075	4400	4545	4530	4675	4570	4715	4700	4845
	2F 370	3480	3625	3610	3755	3840	3985	3970	4115	4440	4585	4570	4715	4610	4755	4740	4885
	2F 400	3510	3655	3640	3785	3870	4015	4000	4145	4475	4620	4605	4750	4645	4790	4775	4920
	2F 420	3525	3670	3655	3800	3885	4030	4015	4160	4490	4635	4620	4765	4660	4805	4790	4935
	3F 385	3560	3705	3690	3835	3920	4065	4050	4195	4540	4685	4670	4815	4710	4855	4840	4985
	3F 430	3595	3740	3725	3870	3955	4100	4085	4230	4575	4720	4705	4850	4745	4890	4875	5020
	3F 475	3630	3780	3760	3910	3990	4140	4120	4270	4610	4755	4740	4885	4780	4925	4910	5055
	3F 515	3665	3810	3795	3940	4025	4170	4155	4300	4675	4820	4805	4950	4845	4990	4975	5120
	3F 550	3730	3875	3860	4005	4090	4235	4220	4365	4725	4870	4855	5000	4895	5040	5025	5170
	3F 600	3775	3920	3905	4050	4135	4280	4265	4410	4785	4930	4915	5060	4955	5100	5085	5230
	3F 650	3835	3985	3965	4115	4195	4345	4325	4475	4850	4995	4980	5125	5020	5165	5150	5295
	3F 700	3900	4045	4030	4175	4260	4405	4390	4535	4910	5060	5040	5190	5080	5230	5210	5360
	3V 360 / 385	3575	3720	3705	3850	3935	4080	4065	4210	4560	4705	4690	4835	4730	4875	4860	5005
	3V 405 / 430	3615	3760	3745	3890	3975	4120	4105	4250	4600	4745	4730	4875	4770	4915	4900	5045
	3V 450 / 470	3650	3795	3780	3925	4010	4155	4140	4285	4635	4780	4765	4910	4805	4950	4935	5080
	3V 490 / 505	3685	3830	3815	3960	4045	4190	4175	4320	4705	4850	4835	4980	4875	5020	5005	5150
	3V 525 / 555	3755	3900	3885	4030	4115	4260	4245	4390	4755	4900	4885	5030	4925	5070	5055	5200
3V 575 / 600	3800	3945	3930	4075	4160	4305	4290	4435	4820	4965	4950	5095	4990	5135	5120	5265	
3V 633 / 650	3865	4010	3995	4140	4225	4370	4355	4500	4885	5030	5015	5160	5055	5200	5185	5330	
3V 688 / 700	3930	4075	4060	4205	4290	4435	4420	4565	4950	5100	5080	5230	5120	5270	5250	5400	
Truck Weight without mast	2705	2850	2835	2980	3065	3210	3195	3340	3595	3740	3725	3870	3765	3910	3895	4040	

Truck Weight (with 1100 mm forks & Side Shift-Hook On Type)

Unit:kg																	
		U1D2A20LQ	Y1D2A20Q	U1D2A20LQ	Y1D2A20Q	U1D2A25LQ	Y1D2A25Q	U1D2A25LQ	Y1D2A25Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A32LQ	YG1D2A32Q	UG1D2A32LQ	YG1D2A32Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	3400	3545	3490	3635	3760	3905	3850	3995	4325	4470	4410	4555	4490	4640	4575	4725
	2W 330	3425	3570	3515	3660	3785	3930	3875	4020	4350	4495	4435	4580	4515	4665	4600	4750
	2W 350	3445	3590	3535	3680	3805	3950	3895	4040	4375	4520	4460	4605	4540	4685	4625	4770
	2W 370	3500	3645	3590	3735	3860	4005	3950	4095	4430	4575	4515	4660	4595	4740	4680	4825
	2W 400	3535	3680	3625	3770	3895	4040	3985	4130	4460	4610	4545	4695	4630	4775	4715	4860
	2W 450	3575	3720	3665	3810	3935	4080	4025	4170	4505	4655	4590	4740	4675	4820	4760	4905
	2W 500	3620	3765	3710	3855	3980	4125	4070	4215	4550	4700	4635	4785	4720	4865	4805	4950
	2F 300	3395	3540	3485	3630	3755	3900	3845	3990	4340	4485	4425	4570	4505	4650	4590	4735
	2F 330	3420	3565	3510	3655	3780	3925	3870	4015	4365	4510	4450	4595	4530	4675	4615	4760
	2F 350	3440	3585	3530	3675	3800	3945	3890	4035	4385	4530	4470	4615	4555	4700	4640	4785
	2F 370	3480	3625	3570	3715	3840	3985	3930	4075	4425	4570	4510	4655	4590	4740	4675	4825
	2F 400	3510	3655	3600	3745	3870	4015	3960	4105	4455	4605	4540	4690	4625	4770	4710	4855
	2F 420	3525	3670	3615	3760	3885	4030	3975	4120	4475	4620	4560	4705	4640	4790	4725	4875
	3F 385	3560	3705	3650	3795	3920	4065	4010	4155	4520	4665	4605	4750	4690	4835	4775	4920
	3F 430	3595	3740	3685	3830	3955	4100	4045	4190	4560	4705	4645	4790	4725	4875	4810	4960
	3F 475	3635	3780	3725	3870	3995	4140	4085	4230	4595	4740	4680	4825	4760	4910	4845	4995
	3F 515	3665	3810	3755	3900	4025	4170	4115	4260	4660	4805	4745	4890	4825	4975	4910	5060
	3F 550	3730	3875	3820	3965	4090	4235	4180	4325	4705	4855	4790	4940	4875	5020	4960	5105
	3F 600	3780	3925	3870	4015	4140	4285	4230	4375	4770	4915	4855	5000	4940	5085	5025	5170
	3V 360 / 385	3575	3720	3665	3810	3935	4080	4025	4170	4540	4690	4625	4775	4710	4855	4795	4940
3V 405 / 430	3615	3760	3705	3850	3975	4120	4065	4210	4580	4730	4665	4815	4750	4895	4835	4980	
3V 450 / 470	3650	3795	3740	3885	4010	4155	4100	4245	4620	4765	4705	4850	4785	4930	4870	5015	
3V 490 / 505	3685	3830	3775	3920	4045	4190	4135	4280	4690	4835	4775	4920	4855	5000	4940	5085	
3V 525 / 555	3755	3900	3845	3990	4115	4260	4205	4350	4740	4885	4825	4970	4905	5050	4990	5135	
3V 575 / 600	3805	3950	3895	4040	4165	4310	4255	4400	4805	4950	4890	5035	4970	5120	5055	5205	
Truck Weight without mast	2640	2785	2730	2875	3000	3145	3090	3235	3475	3620	3560	3705	3640	3790	3725	3875	
Double Tyre	2W 300	3465	3610	3595	3740	3825	3970	3955	4100	4450	4595	4580	4725	4615	4765	4745	4895
	2W 330	3490	3635	3620	3765	3850	3995	3980	4125	4475	4620	4605	4750	4640	4790	4770	4920
	2W 350	3510	3655	3640	3785	3870	4015	4000	4145	4500	4645	4630	4775	4665	4810	4795	4940
	2W 370	3565	3710	3695	3840	3925	4070	4055	4200	4555	4700	4685	4830	4720	4865	4850	4995
	2W 400	3600	3745	3730	3875	3960	4105	4090	4235	4585	4735	4715	4865	4755	4900	4885	5030
	2W 450	3640	3785	3770	3915	4000	4145	4130	4275	4630	4780	4760	4910	4800	4945	4930	5075
	2W 500	3685	3830	3815	3960	4045	4190	4175	4320	4675	4825	4805	4955	4845	4990	4975	5120
	2F 300	3460	3605	3590	3735	3820	3965	3950	4095	4465	4610	4595	4740	4630	4775	4760	4905
	2F 330	3485	3630	3615	3760	3845	3990	3975	4120	4490	4635	4620	4765	4655	4800	4785	4930
	2F 350	3505	3650	3635	3780	3865	4010	3995	4140	4510	4655	4640	4785	4680	4825	4810	4955
	2F 370	3545	3690	3675	3820	3905	4050	4035	4180	4550	4695	4680	4825	4715	4865	4845	4995
	2F 400	3575	3720	3705	3850	3935	4080	4065	4210	4580	4730	4710	4860	4750	4895	4880	5025
	2F 420	3590	3735	3720	3865	3950	4095	4080	4225	4600	4745	4730	4875	4765	4915	4895	5045
	3F 385	3625	3770	3755	3900	3985	4130	4115	4260	4645	4790	4775	4920	4815	4960	4945	5090
	3F 430	3660	3805	3790	3935	4020	4165	4150	4295	4685	4830	4815	4960	4850	5000	4980	5130
	3F 475	3700	3845	3830	3975	4060	4205	4190	4335	4720	4865	4850	4995	4885	5035	5015	5165
	3F 515	3730	3875	3860	4005	4090	4235	4220	4365	4785	4930	4915	5060	4950	5100	5080	5230
	3F 550	3795	3940	3925	4070	4155	4300	4285	4430	4830	4980	4960	5110	5000	5145	5130	5275
	3F 600	3845	3990	3975	4120	4205	4350	4335	4480	4895	5040	5025	5170	5065	5210	5195	5340
	3F 650	3905	4050	4035	4180	4265	4410	4395	4540	4960	5105	5090	5235	5125	5270	5255	5400
3F 700	3965	4110	4095	4240	4325	4470	4455	4600	5020	5165	5150	5295	5190	5335	5320	5465	
3V 360 / 385	3640	3785	3770	3915	4000	4145	4130	4275	4665	4745	4795	4875	4765	4910	4895	5040	
3V 405 / 430	3680	3825	3810	3955	4040	4185	4170	4315	4705	4785	4835	4915	4805	4950	4935	5080	
3V 450 / 470	3715	3860	3845	3990	4075	4220	4205	4350	4745	4820	4875	4950	4840	4990	4970	5120	
3V 490 / 505	3750	3895	3880	4025	4110	4255	4240	4385	4815	4890	4945	5020	4910	5055	5040	5185	
3V 525 / 555	3820	3965	3950	4095	4180	4325	4310	4455	4865	4940	4995	5070	4960	5105	5090	5235	
3V 575 / 600	3870	4015	4000	4145	4230	4375	4360	4505	4930	5005	5060	5135	5025	5175	5155	5305	
3V 633 / 650	3930	4075	4060	4205	4290	4435	4420	4565	4995	5070	5125	5200	5095	5240	5225	5370	
3V 688 / 700	3995	4140	4125	4270	4355	4500	4485	4630	5060	5135	5190	5265	5160	5305	5290	5435	
Truck Weight without mast	2705	2850	2835	2980	3065	3210	3195	3340	3600	3745	3730	3875	3765	3915	3895	4045	

Truck Weight Side (with 1100 mm Fork & Shift-Integral Type)

Unit:kg																	
		U1D2A20LQ	Y1D2A20Q	U1D2A20LQ	Y1D2A20Q	U1D2A25LQ	Y1D2A25Q	U1D2A25LQ	Y1D2A25Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A30LQ	YG1D2A30Q	UG1D2A32LQ	YG1D2A32Q	UG1D2A32LQ	YG1D2A32Q
		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)		Pneumatic		Pneumatic type solid (super elastic)	
Single Tyre	2W 300	3375	3520	3465	3610	3735	3880	3825	3970	4260	4405	4345	4490	4430	4575	4515	4660
	2W 330	3400	3545	3490	3635	3760	3905	3850	3995	4285	4430	4370	4515	4455	4600	4540	4685
	2W 350	3425	3570	3515	3660	3785	3930	3875	4020	4305	4455	4390	4540	4475	4625	4560	4710
	2W 370	3480	3625	3570	3715	3840	3985	3930	4075	4360	4510	4445	4595	4530	4680	4615	4765
	2W 400	3510	3655	3600	3745	3870	4015	3960	4105	4395	4540	4480	4625	4565	4710	4650	4795
	2W 450	3555	3700	3645	3790	3915	4060	4005	4150	4440	4585	4525	4670	4610	4755	4695	4840
	2W 500	3595	3740	3685	3830	3955	4100	4045	4190	4485	4630	4570	4715	4655	4800	4740	4885
	2F 300	3370	3515	3460	3605	3730	3875	3820	3965	4270	4415	4355	4500	4440	4585	4525	4670
	2F 330	3395	3540	3485	3630	3755	3900	3845	3990	4295	4440	4380	4525	4465	4610	4550	4695
	2F 350	3415	3560	3505	3650	3775	3920	3865	4010	4320	4465	4405	4550	4490	4635	4575	4720
	2F 370	3455	3600	3545	3690	3815	3960	3905	4050	4355	4505	4440	4590	4525	4675	4610	4760
	2F 400	3490	3635	3580	3725	3850	3995	3940	4085	4390	4535	4475	4620	4560	4705	4645	4790
	2F 420	3505	3650	3595	3740	3865	4010	3955	4100	4405	4550	4490	4635	4575	4720	4660	4805
	3F 385	3535	3680	3625	3770	3895	4040	3985	4130	4450	4595	4535	4680	4620	4765	4705	4850
	3F 430	3570	3715	3660	3805	3930	4075	4020	4165	4490	4635	4575	4720	4660	4805	4745	4890
	3F 475	3605	3750	3695	3840	3965	4110	4055	4200	4525	4670	4610	4755	4695	4840	4780	4925
	3F 515	3640	3785	3730	3875	4000	4145	4090	4235	4590	4735	4675	4820	4760	4905	4845	4990
	3F 550	3705	3850	3795	3940	4065	4210	4155	4300	4635	4780	4720	4865	4805	4950	4890	5035
	3F 600	3750	3895	3840	3985	4110	4255	4200	4345	4700	4845	4785	4930	4870	5015	4955	5100
	3V 360 / 385	3550	3695	3640	3785	3910	4055	4000	4145	4470	4615	4555	4700	4640	4785	4725	4870
3V 405 / 430	3585	3730	3675	3820	3945	4090	4035	4180	4510	4655	4595	4740	4680	4825	4765	4910	
3V 450 / 470	3625	3770	3715	3860	3985	4130	4075	4220	4545	4695	4630	4780	4715	4865	4800	4950	
3V 490 / 505	3660	3805	3750	3895	4020	4165	4110	4255	4615	4760	4700	4845	4785	4930	4870	5015	
3V 525 / 555	3725	3870	3815	3960	4085	4230	4175	4320	4665	4810	4750	4895	4835	4980	4920	5065	
3V 575 / 600	3775	3920	3865	4010	4135	4280	4225	4370	4730	4880	4815	4965	4900	5050	4985	5135	
Truck Weight without mast	2635	2780	2725	2870	2995	3140	3085	3230	3470	3615	3555	3700	3640	3785	3725	3870	
Double Tyre	2W 300	3440	3585	3570	3715	3800	3945	3930	4075	4385	4530	4515	4660	4555	4700	4685	4830
	2W 330	3465	3610	3595	3740	3825	3970	3955	4100	4410	4555	4540	4685	4580	4725	4710	4855
	2W 350	3490	3635	3620	3765	3850	3995	3980	4125	4430	4580	4560	4710	4600	4750	4730	4880
	2W 370	3545	3690	3675	3820	3905	4050	4035	4180	4485	4635	4615	4765	4655	4805	4785	4935
	2W 400	3575	3720	3705	3850	3935	4080	4065	4210	4520	4665	4650	4795	4690	4835	4820	4965
	2W 450	3620	3765	3750	3895	3980	4125	4110	4255	4565	4710	4695	4840	4735	4880	4865	5010
	2W 500	3660	3805	3790	3935	4020	4165	4150	4295	4610	4755	4740	4885	4780	4925	4910	5055
	2F 300	3435	3580	3565	3710	3795	3940	3925	4070	4395	4540	4525	4670	4565	4710	4695	4840
	2F 330	3460	3605	3590	3735	3820	3965	3950	4095	4420	4565	4550	4695	4590	4735	4720	4865
	2F 350	3480	3625	3610	3755	3840	3985	3970	4115	4445	4590	4575	4720	4615	4760	4745	4890
	2F 370	3520	3665	3650	3795	3880	4025	4010	4155	4480	4630	4610	4760	4650	4800	4780	4930
	2F 400	3555	3700	3685	3830	3915	4060	4045	4190	4515	4660	4645	4790	4685	4830	4815	4960
	2F 420	3570	3715	3700	3845	3930	4075	4060	4205	4530	4675	4660	4805	4700	4845	4830	4975
	3F 385	3600	3745	3730	3875	3960	4105	4090	4235	4575	4720	4705	4850	4745	4890	4875	5020
	3F 430	3635	3780	3765	3910	3995	4140	4125	4270	4615	4760	4745	4890	4785	4930	4915	5060
	3F 475	3670	3815	3800	3945	4030	4175	4160	4305	4650	4795	4780	4925	4820	4965	4950	5095
	3F 515	3705	3850	3835	3980	4065	4210	4195	4340	4715	4860	4845	4990	4885	5030	5015	5160
	3F 550	3770	3915	3900	4045	4130	4275	4260	4405	4760	4905	4890	5035	4930	5075	5060	5205
	3F 600	3815	3960	3945	4090	4175	4320	4305	4450	4825	4970	4955	5100	4995	5140	5125	5270
	3F 650	3875	4020	4005	4150	4235	4380	4365	4510	4885	5030	5015	5160	5055	5200	5185	5330
3F 700	3940	4085	4070	4215	4300	4445	4430	4575	4950	5095	5080	5225	5120	5265	5250	5395	
3V 360 / 385	3615	3760	3745	3890	3975	4120	4105	4250	4595	4740	4725	4870	4765	4910	4895	5040	
3V 405 / 430	3650	3795	3780	3925	4010	4155	4140	4285	4635	4780	4765	4910	4805	4950	4935	5080	
3V 450 / 470	3690	3835	3820	3965	4050	4195	4180	4325	4670	4820	4800	4950	4840	4990	4970	5120	
3V 490 / 505	3725	3870	3855	4000	4085	4230	4215	4360	4740	4885	4870	5015	4910	5055	5040	5185	
3V 525 / 555	3790	3935	3920	4065	4150	4295	4280	4425	4790	4935	4920	5065	4960	5105	5090	5235	
3V 575 / 600	3840	3985	3970	4115	4200	4345	4330	4475	4855	5005	4985	5135	5025	5175	5155	5305	
3V 633 / 650	3905	4050	4035	4180	4265	4410	4395	4540	4925	5070	5055	5200	5095	5240	5225	5370	
3V 688 / 700	3965	4110	4095	4240	4325	4470	4455	4600	4990	5135	5120	5265	5160	5305	5290	5435	
Truck Weight without mast	2700	2845	2830	2975	3060	3205	3190	3335	3595	3740	3725	3870	3765	3910	3895	4040	

Additional Truck Weight

■ CABIN		Unit:kg	
Model (Capacity code)		20-25	30-32
Steel Cabin		+90	+90

■ FORKS		Unit:kg	
Model (Capacity code)		20-25	30-32
Fork length mm	Less fork	-95	-115
	1000	-5	-
	1100	±0	±0
	1200	+5	+5
	1300	+15	+15
	1400	+20	+20
	1500	+25	+30

■ CARRIAGE & BACKREST		Unit:kg	
Carriage	Backrest	20-25	30-32
Standard	Low	±0	±0
	High	+10	+10
	Less backrest	-25	-25
Wide	Wide & High	+40	+50
	Less backrest	±0	+10
Extra wide	Extra wide high	+55	+70
	Less backrest	+15	+25

*Two stage mast (2W) only

Supplement Data

2.0 ton

Item	Model				DX-20	
					LPG	Diesel
					U1D2A20LQ	Y1D2A20Q
DIMENSIONS	W	Overall width	Double Tyre	mm	1595	1595
	Or	Rear overhang		mm	425	425
	Tf	Front tread	Double Tyre	mm	1185	1185
	As	Right angle stacking aisle width		mm	2645	2645
	Ai	Right angle intersecting aisle width		mm	1985	1985
	Hf	Floor height		mm	675	675
	Hp	Step height		mm	455	455
	Hh	Head room		mm	1060	1060
	Hc	Counterweight height		mm	1115	1115
	Hb	Backrest height		mm	1005	1005
	Sw	Max. fork spread		mm	980	980
	Sn	Min. fork spread		mm	225	225
	Gf	Ground clearance under frame		mm	165	165
	θ_r	Ramp breakover angle		tan θ %	49	49
	θ_d	Departure angle		tan θ %	69	69
	θ_a	Approach angle		tan θ %	43	43
ENGINE	Rated torque	JIS		N-m/rpm	182/1600	186/1800

2.5 ton

Item	Model				DX-25	
					LPG	Diesel
					U1D2A25LQ	Y1D2A25Q
DIMENSIONS	W	Overall width	Double Tyre	mm	1595	1595
	Or	Rear overhang		mm	500	500
	Tf	Front tread	Double Tyre	mm	1185	1185
	As	Right angle stacking aisle width		mm	2705	2705
	Ai	Right angle intersecting aisle width		mm	2015	2015
	Hf	Floor height		mm	675	675
	Hp	Step height		mm	455	455
	Hh	Head room		mm	1060	1060
	Hc	Counterweight height		mm	1115	1115
	Hb	Backrest height		mm	1005	1005
	Sw	Max. fork spread		mm	980	980
	Sn	Min. fork spread		mm	225	225
	Gf	Ground clearance under frame		mm	165	165
	θ_r	Ramp breakover angle		tan θ %	49	49
	θ_d	Departure angle		tan θ %	57	57
	θ_a	Approach angle		tan θ %	43	43
ENGINE	Rated torque	JIS		N-m/rpm	182/1600	186/1800

Supplement Data

3.0 ton

Item	Model				DX-30	
					LPG	Diesel
					UG1D2A30LQ	YG1D2A30Q
DIMENSIONS	W	Overall width	Double Tyre	mm	1720	1720
	Or	Rear overhang		mm	525	525
	Tf	Front tread	Double Tyre	mm	1252	1252
	As	Right angle stacking aisle width		mm	2875	2875
	Ai	Right angle intersecting aisle width		mm	2110	2110
	Hf	Floor height		mm	695	695
	Hp	Step height		mm	475	475
	Hh	Head room		mm	1060	1060
	Hc	Counterweight height		mm	1145	1145
	Hb	Backrest height		mm	1095	1095
	Sw	Max. fork spread		mm	980	980
	Sn	Min. fork spread		mm	225	225
	Gf	Ground clearance under frame		mm	190	190
	θr	Ramp breakover angle		tan $\theta\%$	52	52
	θd	Departure angle		tan $\theta\%$	65	65
	θa	Approach angle		tan $\theta\%$	55	55
ENGINE	Rated torque	JIS	N-m/rpm		182/1600	186/1800

3.2 ton

Item	Model				DX-32	
					LPG	Diesel
					UG1D2A32LQ	YG1D2A32Q
DIMENSIONS	W	Overall width	Double Tyre	mm	1720	1720
	Or	Rear overhang		mm	525	525
	Tf	Front tread	Double Tyre	mm	1252	1252
	As	Right angle stacking aisle width		mm	2875	2875
	Ai	Right angle intersecting aisle width		mm	2110	2110
	Hf	Floor height		mm	695	695
	Hp	Step height		mm	475	475
	Hh	Head room		mm	1060	1060
	Hc	Counterweight height		mm	1235	1235
	Hb	Backrest height		mm	1095	1095
	Sw	Max. fork spread		mm	980	980
	Sn	Min. fork spread		mm	225	225
	Gf	Ground clearance under frame		mm	190	190
	θr	Ramp breakover angle		tan $\theta\%$	52	52
	θd	Departure angle		tan $\theta\%$	65	65
	θa	Approach angle		tan $\theta\%$	55	55
ENGINE	Rated torque	JIS	N-m/rpm		182/1600	186/1800

Option Availability

●...Standard ○...Option

		DX-20		DX-25		DX-30		DX-32	
		LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel
Truck management	VCM	●	●	●	●	●	●	●	●
Engine	ECCS	●	-	●	-	●	-	●	-
	Auto glow and auto stop	-	●	-	●	-	●	-	●
	Anti-restart system	●	●	●	●	●	●	●	●
	Neutral-start switch	●	●	●	●	●	●	●	●
	Auto choke	●	-	●	-	●	-	●	-
	F-shaped pitch cooling fan	●	●	●	●	●	●	●	●
	Double fan belts	-	●	-	●	-	●	-	●
	Speed Selector	○	-	○	-	○	-	○	-
	Power / Eco Selector	●	-	●	-	●	-	●	-
Cooling system	Corrugated fin type aluminium radiator	●	●	●	●	●	●	●	●
	Oil cooler (Radiator built-in type)	●	●	●	●	●	●	●	●
	Radiator screen	○	○	○	○	○	○	○	○
	50% density LLC (non-amine)	●	●	●	●	●	●	●	●
Intake system	Super air intake system	●	●	●	●	●	●	●	●
	Cyclone air cleaner	●	●	●	●	●	●	●	●
	Low noise air intake system	-	●	-	●	-	●	-	●
	Double element	-	○	-	○	-	○	-	○
Exhaust system	Low muffler	●	●	●	●	●	●	●	●
	3-way catalytic muffler	●	-	●	-	●	-	●	-
	Pre-muffler	-	●	-	●	-	●	-	●
	Over head muffler	○	○	○	○	○	○	○	○
LPG system	Without LPG bottle (with swing back type bracket)	●	-	●	-	●	-	●	-
	Without LPG bottle (with swing down type bracket)	○	-	○	-	○	-	○	-
	Without LPG bottle, bottle bracket	○	-	○	-	○	-	○	-
Hydraulic control system	Mechanical 3 spool valve	●	●	●	●	●	●	●	●
	Mechanical 4 spool valve	○	○	○	○	○	○	○	○
	Electrical 3 spool valve	○	○	○	○	○	○	○	○
	Electrical 4 spool valve	○	○	○	○	○	○	○	○
	Mechanical control lever (single type)	●	●	●	●	●	●	●	●
	Mechanical control lever (twin type)	○	○	○	○	○	○	○	○
	FINGERTIP control lever (single type)	○	○	○	○	○	○	○	○
	FINGERTIP control lever (twin type)	○	○	○	○	○	○	○	○
	3 spool piping to carriage	○	○	○	○	○	○	○	○
	4 spool piping to carriage	○	○	○	○	○	○	○	○
Mast	2- stage super wide view mast (2W)	●	●	●	●	●	●	●	●
	2 - stage full free mast (2F)	○	○	○	○	○	○	○	○
	3 - stage full free mast (3F)	○	○	○	○	○	○	○	○
	3 - stage full free wide view mast (3V) OPTIVIEW	○	○	○	○	○	○	○	○
	Mast less	○	○	○	○	○	○	○	○
	Tilt cylinder bellows	○	○	○	○	○	○	○	○
Carriage & backrest	Wide carriage	●	●	●	●	●	●	●	●
	Extra wide carriage	○	○	○	○	○	○	○	○
	High backrest	○	○	○	○	○	○	○	○
	Wide & high backrest	○	○	○	○	○	○	○	○
	Extra wide & high	○	○	○	○	○	○	○	○
	Less backrest	○	○	○	○	○	○	○	○
Fork	Long fork	○	○	○	○	○	○	○	○
	Fork less	○	○	○	○	○	○	○	○

Option Availability

●---Standard ○---Option

		DX-20		DX-25		DX-30		DX-32	
		LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel
Attachment	Side shift	○	○	○	○	○	○	○	○
	Integral side shift	○	○	○	○	○	○	○	○
Steering system	Small diameter steering wheel	●	●	●	●	●	●	●	●
	2 stage tilt steering wheel	●	●	●	●	●	●	●	●
	Steering wheel height adjusting system	●	●	●	●	●	●	●	●
	Hydraulic power steering system	●	●	●	●	●	●	●	●
Switch	Turn signal switch (auto cancel type)	●	●	●	●	●	●	●	●
	Electrical forward & reverse switch (arm-rest)	○	○	○	○	○	○	○	○
	Electrical forward & reverse switch (steering column)	●	●	●	●	●	●	●	●
Body	Super floating cab	●	●	●	●	●	●	●	●
	Upward open engine hood	●	●	●	●	●	●	●	●
	Damper stay for engine hood opening	●	●	●	●	●	●	●	●
	Quick release fuel cap	-	●	-	●	-	●	-	●
	Instrument tray	○	○	○	○	○	○	○	○
	Getting on & off assist rubber	●	●	●	●	●	●	●	●
Cabin	Rear-view mirrors	●	●	●	●	●	●	●	●
	Steel cabin	○	○	○	○	○	○	○	○
Seat	Steel cabin with heater	○	○	○	○	○	○	○	○
	Restraint seat with suspension system	●	●	●	●	●	●	●	●
Meters & gauge	Fuel gauge	-	●	-	●	-	●	-	●
	Water temperature gauge	●	●	●	●	●	●	●	●
	Hour meter	●	●	●	●	●	●	●	●
Light	Headlight guard	○	○	○	○	○	○	○	○
	Back operation lamp	○	○	○	○	○	○	○	○
	Rotating light	○	○	○	○	○	○	○	○
	Turn signal lamps	○	○	○	○	○	○	○	○
	Rear combination lamps	○	○	○	○	○	○	○	○
Instruments (Multifunctional LCD Meter)	Water separator warning	-	●	-	●	-	●	-	●
	Engine oil pressure warning	●	●	●	●	●	●	●	●
	Glow plug indicator	-	●	-	●	-	●	-	●
	Seat belt warning	●	●	●	●	●	●	●	●
	Parking brake warning	●	●	●	●	●	●	●	●
	Battery charger warning	●	●	●	●	●	●	●	●
	Multipurpose warning	●	●	●	●	●	●	●	●
	Check engine warning	●	-	●	-	●	-	●	-
	Directional indicator	●	●	●	●	●	●	●	●
	Clock / calendar	●	●	●	●	●	●	●	●
	Speedometer	●	●	●	●	●	●	●	●
	Torque converter fluid temperature warning	●	●	●	●	●	●	●	●
	Mast lock warning	●	●	●	●	●	●	●	●
	A/T power cut-off warning	●	●	●	●	●	●	●	●
	LPG low fuel warning	○	-	○	-	○	-	○	-
	Air cleaner plugging warning	●	●	●	●	●	●	●	●
	Radiator water level warning	●	●	●	●	●	●	●	●
	PIN Access	●	●	●	●	●	●	●	●
	Self diagnosis system	●	●	●	●	●	●	●	●
	Service Reminder System	●	●	●	●	●	●	●	●
Warning buzzer	Back-up buzzer	●	●	●	●	●	●	●	●
	Parking brake warning buzzer	●	●	●	●	●	●	●	●
Brake	Toggle joint type parking brake	●	●	●	●	●	●	●	●
Tyres	Pneumatic tyre	●	●	●	●	●	●	●	●
	Double pneumatic tyre	○	○	○	○	○	○	○	○
	Radial tyre	○	○	○	○	○	○	○	○
	Pneumatic type solid	○	○	○	○	○	○	○	○
	Double tyre (pneumatic type solid)	○	○	○	○	○	○	○	○
	Clean tyre	○	○	○	○	○	○	○	○
	Industrial balloon tyre	○	○	○	○	-	-	-	-
	Wide pneumatic type solid	○	○	○	○	-	-	-	-
Tool kit	Tool kit	○	○	○	○	○	○	○	○
Label	Spanish	○	○	○	○	○	○	○	○
	English	●	●	●	●	●	●	●	●
	French	○	○	○	○	○	○	○	○
	German	○	○	○	○	○	○	○	○

Fork Dimensions

	Width [W] x Thickness [T] mm (in)	
	DX-20/25	DX-30/32
ALL Lengths	100 x 40 (3.94 x 1.57)	100 x 40 (3.94 x 1.57)

Carriage & Backrest Dimensions

■ Carriage

Model		DX-20/25	DX-30/32
Class		Class II	Class III
Number of rollers (not include side rollers)	2W 2F	6	6
	3F	6	6
	3V	4	4
Carriage width [W] mm (in)	Standard	1020 (40.2)	1020 (40.2)
	Wide	1335 (52.6)	1335 (52.6)
	Extra wide	*1550 (61.0)	*1550 (61.0)
Max. fork spread mm (in)	Standard	980 (38.6)	980 (38.6)
	Wide	1295 (51.0)	1295 (51.0)
	Extra wide	*1510 (59.4)	*1510 (59.4)

*Two stage mast (2W) only

■ Backrest

Model		DX-20/25	DX-30/32
Backrest Height [H] mm (in)	Standard	1005 (39.6)	1095 (43.1)
	High backrest	1215 (47.3)	1305 (51.4)
	Wide backrest	1215 (47.3)	1305 (51.4)
	Extra wide backrest	1215 (47.3)	1305 (51.4)
Backrest width [w] mm (in)	Standard & high backrest	1020 (40.2)	1020 (40.2)
	Wide backrest	1335 (52.6)	1335 (52.6)
	Extra wide backrest	1550 (61.0)	1550 (61.0)
Plate thickness [T] mm (in)		12 (0.5)	12 (0.5)

Tyre Size

●...Standard ○...Option

Tyre		Model	DX	
			20-25	30-32
Front	Single	Tyre size (STD)	7.00-12-14PR(I)	28 x 9-15-14PR(I)
		Rim size (STD)	5.00S-12DT	7.0-15
		Type	Pneumatic	●
			Clean	7.00-12 ○
			Super Elastic	7.00-12 ○
		Rim size (STD)	8.00G-12	-
	Type	SE wide	27 x 10-12	-
		Industrial balloon	27 x 10-14PR ○	-
	Double	Tyre size (STD)	7.00-12-14PR(I)	28 x 9-15-14PR(I)
		Rim size (STD)	5.00S-12DT	7.0-15
		Type	Pneumatic	○
			Super Elastic	7.00-12 ○
Rear	Single	Tyre size (STD)	6.00-9-10PR(I)	6.50-10-14PR(I)
		Rim size (STD)	4.00E-9DT	5.00F-10DT
		Type	Pneumatic	●
			Clean	6.00-9 ○
			Super Elastic	6.00-9 ○
		Rim size (STD)	6.00E-9	-
	Type	SE wide	21 x 8-9 ○	-

■ Radial Tyre

●...Standard ○...Option

Tyre		Model	DX	
			20-25	30-32
Front	Single	Tyre size (OPT)	7.00R-12	28 x 9R15
		Rim size (OPT)	5.00F-12TB	7.0-15
	Type	Radial	○	○
Rear	Single	Tyre size (OPT)	6.00R9	6.50R10
		Rim size (OPT)	4.00E-9TB	5.00F-10TB
	Type	Radial	○	○

Unit Specification

			U1D2-Q	Y1D2-Q
ENGINE SYSTEM	Model		K25	QD32
	Classification		LPG	Diesel
	Cycle		4	
	Type		4 cylinder in-line OHV	
	Displacement	cm ³	2488	3153
	Bore x Stroke	mm	89 x 100	99.2 x 102
	Compression ratio		8.7	22
	Air cleaner		Cyclone type, dry element	
	Governor		-	Mechanical type
	Oil filter		Cartridge type	
	Oil pump		Gear type	
	Injection pump		Electronic fuel injection type (SPI)	VE type
	Fuel pump		Diaphragm type	-
	Water pump		Centrifuge type	
	Radiator		Corrugated fin	
	Battery		12V-27AH	12V-70AH
	Alternator		12V-50AH	12V-60AH
	Starter motor		12V-1.2 kW (Conventional type)	12V-2.0 kW (Reduction type)
TRANSMISSION	Automatic	Shift type	Electrical shift	
		Torque converter type	3-element, 1-stage, 2-phase	
		Transmission type	One forward, One reverse speed, With neutral start switch, Wet	
STEERING SYSTEM	Type		Fully hydrostatic power steering	
	Steering unit		ORBITROL	
	Power cylinder		Mounted on steering axle	
	Steering wheel		Tilting type	
DRIVE AXLE	Type		Full floating type	
	Final gear		Hypoid gear	
STEERING AXLE	Type		Built-in hydraulic cylinder type Casting body	
BRAKE SYSTEM	Service brake		DSSA31	
	Parking brake		Dead point lock type	
FRAME & BODY	Frame structure		Integral, All welded frame	
	Overhead guard		Strength conforms to ISO, ANSI standards	
	Fuel tank		-	66 liters
	Hydraulic oil tank		46.4 liters (Upper limit on level gauge)	
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type	
	Control valve		Sectional type with tilt lock valve	
	Lift cylinder		Return system: internal drain	
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit	
LOADING SYSTEM	Mast		Chain layout: outside of mast rail	
	Carriage		Class II	
	Forks		Forged alloy steel, Hook type, Conforms to ITA standard	
INSTRUMENTS	Gauge & meter (LCD)		Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / Seatbelt warning	
	Warning lamp (LED)		Multipurpose warning / Glow plug indicator / Oil pressure warning / Change warning / Brake warning / Seatbelt warning	
	Switch & knob		Lighting turn signal switch/Ignition switch	

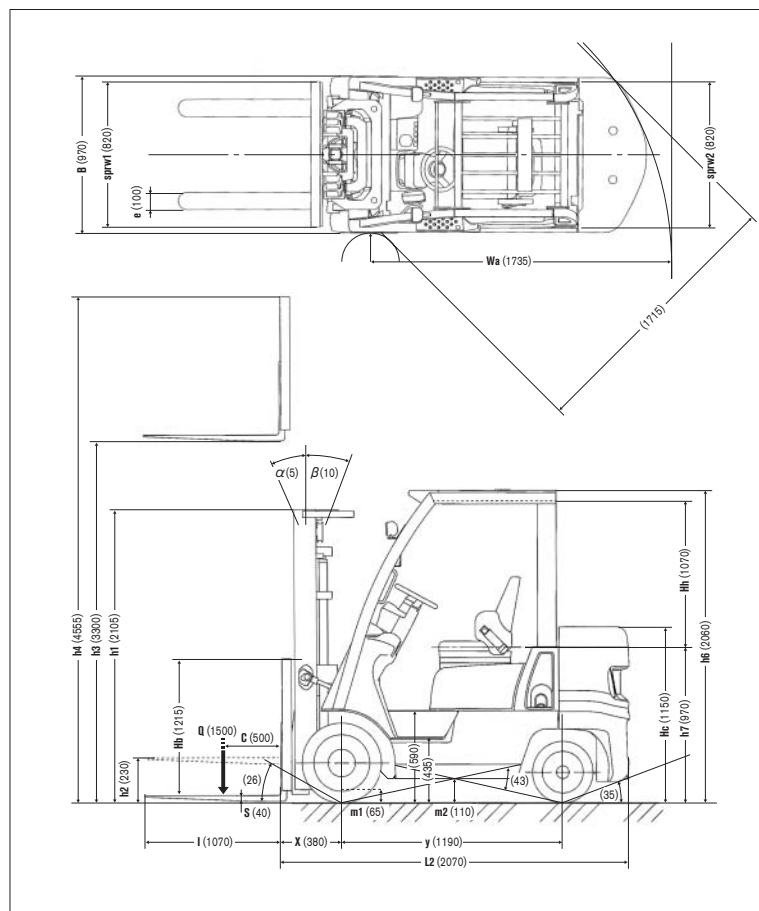
Unit Specification

			UG1D2-Q	YG1D2-Q
ENGINE SYSTEM	Model		K25	QD32
	Classification		LPG	Diesel
	Cycle		4	
	Type		4 cylinder in-line OHV	
	Displacement	cm ³	2488	3153
	Bore x Stroke	mm	89 x 100	99.2 x 102
	Compression ratio		8.7	22
	Air cleaner		Cyclone type, dry element	
	Governor		-	Mechanical type
	Oil filter		Cartridge type	
	Oil pump		Gear type	
	Injection pump		Electronic fuel injection type (SPI)	VE type
	Fuel pump		Diaphragm type	-
	Water pump		Centrifuge type	
	Radiator		Corrugated fin	
	Battery		12V-27AH	12V-70AH
	Alternator		12V-50AH	12V-60AH
	Starter motor		12V-1.2 kW (Conventional type)	12V-2.0 kW (Reduction type)
TRANSMISSION	Automatic	Shift type	Electrical shift	
		Torque converter type	3-element, 1-stage, 2-phase	
		Transmission type	One forward, One reverse speed, With neutral start switch, Wet	
STEERING SYSTEM	Type		Fully hydrostatic power steering	
	Steering unit		ORBITROL	
	Power cylinder		Mounted on steering axle	
	Steering wheel		Tilting type	
DRIVE AXLE	Type		Full floating type	
	Final gear		Hypoid gear	
STEERING AXLE	Type		Built-in hydraulic cylinder type Casting body	
BRAKE SYSTEM	Service brake		DSSA31	
	Parking brake		Dead point lock type	
FRAME & BODY	Frame structure		Integral, All welded frame	
	Overhead guard		Strength conforms to ISO, ANSI standards	
	Fuel tank		-	72 liters
	Hydraulic oil tank		51.4 liters (Upper limit on level gauge)	
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type	
	Control valve		Sectional type with tilt lock valve	
	Lift cylinder		Return system: internal drain	
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit	
LOADING SYSTEM	Mast		Chain layout: outside of mast rail	
	Carriage		Class III	
	Forks		Forged alloy steel, Hook type, Conforms to ITA standard	
INSTRUMENTS	Gauge & meter (LCD)		Directional indicator / Fuel & water temperature gauge / Hour meter / Clock / calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / Seatbelt warning	
	Warning lamp (LED)		Multipurpose warning / Glow plug indicator / Oil pressure warning / Change warning / Brake warning / Seatbelt warning	
	Switch & knob		Lighting turn signal switch/Ignition switch	

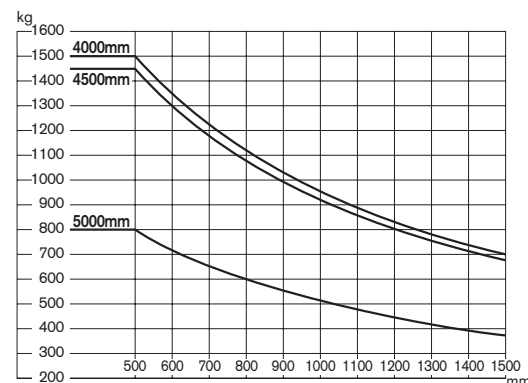
C1F1 U-model

1.5
▼
2.0 ton
at 500mm
Load Center

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single
Front Tire Size	18×6×12.13
Overall Width	mm 970
Front Tread	mm 820

Ground Clearance

Under mast	mm 75
Under power unit	mm 65
Under frame	mm 110

Mast Specifications & Rated Capacities

MCP1F1A15DU, MCP1F1A15LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Fully extended Without backrest mm	Fully extended With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H210	2080	1495	2715	3335	230	230	380	5/10	1500
	2H270	2700	1805	3335	3955	230	230		5/10	1500
	2H300	3000	1955	3635	4255	230	230		5/10	1500
	2H330	3300	2105	3935	4555	230	230		5/10	1500
	2H350	3500	2240	4135	4755	230	230		5/10	1500
	2H370	3700	2365	4335	4955	230	230		5/10	1500
	2H400	4000	2555	4635	5255	320	320		5/10	1500
	2H450	4500	2805	5135	5755	320	320		5/5	1450
	2H500	5000	3055	5635	6255	320	320		5/5	800
	2F 270	2640	1830	3200	3895	1205	615	435	5/10	1500
Two stage (Full free 2F)	2F 300	2945	1980	3505	4200	1355	765		5/10	1500
	2F 330	3250	2135	3810	4505	1510	920		5/10	1500
	2F 350	3455	2235	4015	4710	1610	1020		5/10	1500
	2F 370	3655	2335	4215	4910	1710	1120		5/10	1500
	2F 400	3960	2490	4520	5215	1865	1275		5/10	1450
Three stage (Full free 3F)	3F 385	3850	1805	4465	5105	1230	590	395	5/5	1500
	3F 430	4300	1955	4915	5555	1380	740		5/5	1450
	3F 475	4750	2105	5365	6005	1530	890		5/5	1400
	3F 515	5150	2240	5765	6405	1665	1025		5/5	1350
	3F 550	5500	2365	6115	6755	1790	1150		5/5	1300
	3F 600	6000	2555	6615	7255	1980	1340		5/5	800
	3F 650	6500	2805	7115	7755	2230	1590		5/5	450
	3F 700	7000	3055	7615	8255	2480	1840		5/5	150
Three stage (Opti view 3V)	3V 360	3600	1805	4195	4855	1250	590	440	5/5	1450
	3V 405	4050	1955	4645	5305	1400	740		5/5	1400
	3V 450	4500	2105	5095	5755	1550	890		5/5	1350
	3V 490	4900	2240	5495	6155	1685	1025		5/5	1300
	3V 525	5250	2365	5845	6505	1810	1150		5/5	1250
	3V 575	5750	2555	6345	7005	2000	1340		5/5	850
	3V 633	6330	2805	6925	7585	2250	1590		5/5	450
	3V 688	6880	3055	7475	8135	2500	1840		5/5	150

Main Truck Specifications

Item					MCP1F1A15DU	MCP1F1A15LU		
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1	
	2	Model			MCP1F1A15DU	MCP1F1A15LU	2	
	3	Load capacity	Q load lifted	kg	1500	1500	3	
	4	Load center	C distance	mm	500	500	4	
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline/LPG	LPG	5	
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6	
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7	
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8	
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9	
	10	Free lift	h2 standard free lift	mm	230	230	10	
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13	
		Max. Fork Spread		mm	805	805		
		Min. Fork Spread		mm	205	205		
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14	
	15	Overall measurement	L2 length to fork face	mm	2070	2070	15	
	16		B overall width	mm	970	970	16	
	17		h1 height mast retracted	mm	2105	2105	17	
	18		h4 height mast extended	mm	4555	4555	18	
	19		h6 height overhead guard	mm	2060	2060	19	
	20		h7 height of driver's seat	mm	970	970	20	
	21	Turning radius (outside)	Wa	mm	1735	1735	21	
	22	Load distance	X from center of front axle	mm	380	380	22	
	23	Right angle stacking aisle	Ast pallets (L× W) 1200×800 / 1000×1200		mm	3515/3315	3515/3315	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17.5	17.5	24
	no load			km/h	17.5	17.5		
	lifting		full load	mm/s	620	620	25	
			no load	mm/s	650	650		
	lowering		full load	mm/s	500	500	26	
			no load	mm/s	500	500		
	28	Max. drawbar pull	full load / no load		N	15190/6860	15190/6860	28
	29	Gradeability at 2km/h	full load / no load		tan θ%	38/-	38/-	29
30	Max. gradeability	full load / no load		tan θ%	48/20	48/20	30	
WEIGHTS	32	Truck weight	no load		kg	2700	2700	32
	33	Weight distribution	full load	front/rear	kg	3595/605	3595/605	33
	34		no load	front/rear	kg	980/1720	980/1720	34
CHASSIS & WHEELS	35	Tires	number.	front/rear	each	2 / 2	2 / 2	35
	36		size-front			18×6×12.13	18×6×12.13	36
	37		size-rear			14×5×10	14×5×10	37
	38	Wheelbase	y		mm	1190	1190	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	820/820	820/820	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215		
		Overhead guard clearance	Hh	mm	1070	1070		
		Counterweight height	Hc	mm	1150	1150		
	40	Ground clearance	m1 full load minimum	mm	65	65	40	
	41		m2 full load center of wheelbase	mm	110	110	41	
	42	Service brake	mechanical/hydraulic/electric/pneu			hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch			hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)		V/AH	12/48	12/48	45
	49	Internal Combustion engine	manufacturer/type			NISSAN / K21	NISSAN / K21	49
	50		maximum engine rated power		kW/rpm	40.7/2700	41.0/2700	50
	51		maximum engine rated torque		Nm/rpm	150/2000	151/2000	51
	52		number of cylinders/displacement		/cc	4/2065	4/2065	52
	55	Transmission	type			Automatic	Automatic	55
	57	Operating pressure	for attachment		MPa	12.7	12.7	57

Main Truck Specifications

Item					MCP1F1A18DU	MCP1F1A18LU		
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1	
	2	Model			MCP1F1A18DU	MCP1F1A18LU	2	
	3	Load capacity	Q load lifted	kg	1750	1750	3	
	4	Load center	C distance	mm	500	500	4	
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline/LPG	LPG	5	
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6	
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7	
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8	
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9	
	10	Free lift	h2 standard free lift	mm	230	230	10	
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13	
		Max. Fork Spread		mm	805	805		
		Min. Fork Spread		mm	205	205		
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14	
	15	Overall measurement	L2 length to fork face	mm	2100	2100	15	
	16		B overall width	mm	970	970	16	
	17		h1 height mast retracted	mm	2105	2105	17	
	18		h4 height mast extended	mm	4555	4555	18	
	19		h6 height overhead guard	mm	2060	2060	19	
	20		h7 height of driver's seat	mm	970	970	20	
	21	Turning radius (outside)	Wa	mm	1765	1765	21	
	22	Load distance	X from center of front axle	mm	380	380	22	
	23	Right angle stacking aisle	Ast pallets (L× W) 1200×800 / 1000×1200		mm	3545/3345	3545/3345	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17.5	17.5	24
	no load			km/h	17.5	17.5		
	lifting		full load	mm/s	620	620	25	
			no load	mm/s	650	650		
	lowering		full load	mm/s	500	500	26	
			no load	mm/s	500	500		
	28	Max. drawbar pull	full load / no load		N	15190/6860	15190/6860	28
	29	Gradeability at 2km/h	full load / no load		tan θ%	38/-	38/-	29
30	Max. gradeability	full load / no load		tan θ%	44/18	44/18	30	
WEIGHTS	32	Truck weight	no load		kg	2900	2900	32
	33	Weight distribution	full load	front/rear	kg	3960/690	3960/690	33
	34		no load	front/rear	kg	910/1990	910/1990	34
CHASSIS & WHEELS	35	Tires	number.	front/rear	each	2 / 2	2 / 2	35
	36		size-front			18×6×12.13	18×6×12.13	36
	37		size-rear			14×5×10	14×5×10	37
	38	Wheelbase	y		mm	1190	1190	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	820/820	820/820	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215		
		Overhead guard clearance	Hh	mm	1070	1070		
		Counterweight height	Hc	mm	1145	1145		
	40	Ground clearance	m1 full load minimum	mm	65	65	40	
	41		m2 full load center of wheelbase	mm	110	110	41	
	42	Service brake	mechanical/hydraulic/electric/pneu			hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch			hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)		V/AH	12/48	12/48	45
	49	Internal Combustion engine	manufacturer/type			NISSAN / K21	NISSAN / K21	49
	50		maximum engine rated power		kW/rpm	40.7/2700	41.0/2700	50
	51		maximum engine rated torque		Nm/rpm	150/2000	151/2000	51
	52		number of cylinders/displacement		/cc	4/2065	4/2065	52
	55	Transmission	type			Automatic	Automatic	55
			speed forward/backward			1 / 1	1 / 1	
	57	Operating pressure	for attachment		MPa	12.7	12.7	57

Main Truck Specifications

Item					MCP1F1A20DU	MCP1F1A20LU		
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1	
	2	Model			MCP1F1A20DU	MCP1F1A20LU	2	
	3	Load capacity	Q load lifted	kg	2000	2000	3	
	4	Load center	C distance	mm	500	500	4	
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline/LPG	LPG	5	
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6	
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7	
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8	
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9	
	10	Free lift	h2 standard free lift	mm	230	230	10	
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13	
		Max. Fork Spread		mm	805	805		
		Min. Fork Spread		mm	205	205		
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14	
	15	Overall measurement	L2 length to fork face	mm	2135	2135	15	
	16		B overall width	mm	970	970	16	
	17		h1 height mast retracted	mm	2105	2105	17	
	18		h4 height mast extended	mm	4555	4555	18	
	19		h6 height overhead guard	mm	2060	2060	19	
	20		h7 height of driver's seat	mm	970	970	20	
	21	Turning radius (outside)	Wa	mm	1800	1800	21	
	22	Load distance	X from center of front axle	mm	380	380	22	
	23	Right angle stacking aisle	Ast pallets (L× W) 1200×800 / 1000×1200		mm	3580/3380	3580/3380	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17.5	17.5	24
	no load			km/h	17.5	17.5		
	lifting		full load	mm/s	620	620	25	
			no load	mm/s	650	650		
	lowering		full load	mm/s	500	500	26	
			no load	mm/s	500	500		
	28	Max. drawbar pull	full load / no load		N	15190/6860	15190/6860	28
	29	Gradeability at 2km/h	full load / no load		tan θ%	38 / -	38 / -	29
30	Max. gradeability	full load / no load		tan θ%	40/16	40/16	30	
WEIGHTS	32	Truck weight	no load		kg	3085	3085	32
	33	Weight distribution	full load	front/rear	kg	4310/775	4310/775	33
	34		no load	front/rear	kg	835/2250	835/2250	34
CHASSIS & WHEELS	35	Tires	number.	front/rear	each	2 / 2	2 / 2	35
	36		size-front			18×6×12.13	18×6×12.13	36
	37		size-rear			14×5×10	14×5×10	37
	38	Wheelbase	y		mm	1190	1190	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	820/820	820/820	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215		
		Overhead guard clearance	Hh	mm	1070	1070		
		Counterweight height	Hc	mm	1145	1145		
	40	Ground clearance	m1 full load minimum	mm	65	65	40	
	41		m2 full load center of wheelbase	mm	110	110	41	
	42	Service brake	mechanical/hydraulic/electric/pneu			hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch			hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)		V/AH	12/48	12/48	45
	49	Internal Combustion engine	manufacturer/type			NISSAN / K21	NISSAN / K21	49
	50		maximum engine rated power		kW/rpm	40.7/2700	41.0/2700	50
	51		maximum engine rated torque		Nm/rpm	150/2000	151/2000	51
	52		number of cylinders/displacement		/cc	4/2065	4/2065	52
	55	Transmission	type			Automatic	Automatic	55
			speed forward/backward			1 / 1	1 / 1	
	57	Operating pressure	for attachment		MPa	12.7	12.7	57

Loading Capacity

MCP1F1A15DU, MCP1F1A15LU

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Single tire	2H210	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H270	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H300	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H330	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H350	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H370	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H400	1500	1345	1225	1120	1030	960	895	835	785	745	705
	2H450	1450	1300	1180	1080	1000	925	865	810	760	720	680
	2H500	800	720	650	595	550	510	475	445	420	395	375
	2F270	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F300	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F330	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F350	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F370	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F400	1450	1310	1195	1095	1015	945	880	830	780	740	700
	3F385	1500	1350	1225	1125	1035	960	895	840	790	745	710
	3F430	1450	1305	1185	1085	1000	930	865	815	765	720	685
	3F475	1400	1260	1145	1050	965	900	835	785	740	695	660
	3F515	1350	1215	1105	1010	930	865	810	755	710	670	635
	3F550	1300	1170	1060	975	900	835	780	730	685	650	615
	3F600	800	720	655	600	550	515	480	450	420	400	375
	3F650	450	405	365	335	310	290	270	250	235	225	210
	3F700	150	135	120	110	105	95	90	85	80	75	70
	3V360	1450	1310	1195	1100	1015	945	885	830	785	740	705
	3V405	1400	1265	1155	1060	980	915	855	805	755	715	680
	3V450	1350	1220	1115	1025	945	880	825	775	730	690	655
	3V490	1300	1175	1070	985	910	850	795	745	700	665	630
	3V525	1250	1130	1030	950	875	815	765	715	675	640	605
	3V575	850	770	700	645	595	555	520	485	460	435	410
	3V633	450	405	370	340	315	295	275	260	245	230	220
	3V688	150	135	125	115	105	95	90	85	80	75	70

Loading Capacity

MCP1F1A18DU, MCP1F1A18LU

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Single tire	2H210	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H270	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H300	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H330	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H350	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H370	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H400	1750	1570	1425	1305	1205	1115	1040	975	920	865	820
	2H450	1350	1210	1100	1005	930	860	805	755	710	670	635
	2H500	700	630	570	520	480	445	415	390	365	345	330
	2F270	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F300	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F330	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F350	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F370	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F400	1700	1535	1400	1285	1190	1105	1035	970	915	865	820
	3F385	1750	1575	1430	1310	1210	1120	1045	980	925	870	825
	3F430	1700	1530	1390	1275	1175	1090	1015	955	895	845	800
	3F475	1600	1440	1305	1200	1105	1025	955	895	845	795	755
	3F515	1550	1395	1265	1160	1070	995	925	870	820	770	730
	3F550	1200	1080	980	900	830	770	720	675	635	600	565
	3F600	600	540	490	450	415	385	360	335	315	300	285
	3F650	250	225	205	185	170	160	150	140	130	125	120
	3F700	50	45	40	35	35	30	30	30	25	25	25
	3V360	1700	1535	1400	1290	1195	1110	1040	975	920	870	825
	3V405	1650	1490	1360	1250	1160	1075	1005	945	890	845	800
	3V450	1600	1445	1320	1215	1125	1045	975	915	865	820	775
	3V490	1550	1400	1280	1175	1090	1010	945	890	840	790	750
	3V525	1250	1130	1030	950	875	815	765	715	675	640	605
	3V575	600	540	495	455	420	390	365	345	325	305	290
	3V633	400	360	330	305	280	260	245	230	215	205	195
	3V688	150	135	125	115	105	95	90	85	80	75	70

Loading Capacity

MCP1F1A20DU, MCP1F1A20LU

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Single tire	2W203	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2H210	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H270	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H300	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H330	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H350	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H370	2000	1795	1630	1490	1375	1275	1190	1115	1045	990	935
	2H400	1950	1750	1590	1455	1340	1240	1160	1085	1020	965	910
	2H450	1500	1345	1220	1120	1030	955	890	835	785	740	700
	2H500	850	765	690	635	585	540	505	475	445	420	395
	2F270	2000	1805	1645	1515	1400	1300	1215	1145	1075	1020	965
	2F300	2000	1805	1645	1515	1400	1300	1215	1145	1075	1020	965
	2F330	2000	1805	1645	1515	1400	1300	1215	1145	1075	1020	965
	2F350	2000	1805	1645	1515	1400	1300	1215	1145	1075	1020	965
	2F370	1950	1760	1605	1475	1365	1270	1185	1115	1050	995	940
	2F400	1900	1715	1565	1440	1330	1235	1155	1085	1025	965	915
	3F385	1950	1755	1595	1460	1345	1250	1165	1095	1030	970	920
	3F430	1900	1710	1550	1420	1310	1220	1135	1065	1000	945	895
	3F475	1800	1620	1470	1345	1245	1155	1075	1010	950	895	850
	3F515	1600	1440	1305	1200	1105	1025	955	895	845	795	755
	3F550	1000	900	815	750	690	640	600	560	525	500	470
	3F600	450	405	365	335	310	290	270	250	235	225	210
	3F650	100	90	80	75	70	65	60	55	50	50	45
	3F700	50	45	40	35	35	30	30	30	25	25	25
	3V360	1950	1760	1610	1480	1370	1275	1190	1120	1055	995	945
	3V405	1900	1715	1565	1440	1335	1240	1160	1090	1025	970	920
	3V450	1850	1670	1525	1405	1300	1210	1130	1060	1000	945	895
	3V490	1650	1490	1360	1250	1160	1075	1005	945	890	845	800
	3V525	1200	1085	990	910	840	785	735	690	650	615	580
	3V575	550	495	455	415	385	360	335	315	295	280	265
	3V633	300	270	245	225	210	195	185	170	160	155	145
	3V688	50	45	40	35	35	30	30	30	25	25	25

Truck Weight

Unit:kg

Mast type	Mast name	MCP1F1		
		A15DU/LU	A18DU/LU	A20DU/LU
		STD TREAD	STD TREAD	STD TREAD
Two stage	2W203	-	-	3050
Two stage (High free 2H)	2H210	2640	2840	3030
	2H270	2665	2865	3050
	2H300	2680	2880	3070
	2H330	2700	2900	3085
	2H350	2715	2915	3100
	2H370	2745	2945	3130
	2H400	2765	2965	3150
	2H450	2790	2990	3180
Two stage (Full free 2F)	2H500	2820	3020	3205
	2F 270	2820	3020	3205
	2F 300	2845	3045	3230
	2F 330	2865	3065	3255
	2F 350	2880	3080	3270
	2F 370	2895	3095	3285
Three stage (Full free 3F)	2F 400	2920	3120	3305
	3F 385	2860	3060	3245
	3F 430	2885	3085	3275
	3F 475	2915	3115	3300
	3F 515	2940	3140	3325
	3F 550	2980	3180	3370
	3F 600	3015	3215	3405
	3F 650	3065	3265	3450
Three stage (Opti view 3V)	3F 700	3110	3310	3495
	3V 360	2930	3130	3320
	3V 405	2960	3160	3345
	3V 450	2990	3190	3375
	3V 490	3015	3215	3405
	3V 525	3075	3275	3460
	3V 575	3110	3310	3500
	3V 633	3160	3360	3545
Truck weight without mast		2190	2390	2575

*1:Truckers Mast

Additional Truck Weight

FORKS

		Unit:kg
Model(Capacity code)		15, 18, 20
Fork length mm	Less fork	-95
	920	-10
	1070	± 0
	1220	+10
	1370	+20
	1520	+30

CARRIAGE & BACKREST

		Unit:kg
CARRIAGE	BACKREST	15, 18, 20
Standard	High	± 0
	Less	-35

LPG SYSTEM

		Unit:kg
Type		15, 18, 20
Gasoline		± 0
LPGG:No bombe + MTG + Hose(S/O)		-10
LPGQ:No bombe + MTG + Hose(S/D)		± 0

Option Availability

		...Standard	...Option
Item		CP1F1 15-20	
		ECCS Dual Gasoline/LPG	ECCS LPG
Engine	ECCS(Electronic Concentrated Control System) type		
	Speed & Power / Eco Selector		
	IC ignition system		
	Anti-restraint system		
	Neutral-start switch		
	Auto choke		
	F-shaped unequivalent pitch cooling fan		
	Double fan belts	-	-
	Reduction starter motor		
	High capacity battery (12V/48AH)		
Cooling system	Corrugated fin type radiator		
	Radiator screen		
	Corrugate square fin		
	Oil cooler (Radiator built-in type)		
	30% density LLC (Non-amine)	-	-
Intake system	Super air intake system		
	Cyclone air cleaner		
Exhaust system	Standard muffler	-	-
	Overhead exhaust muffler	-	-
	Three way catalytic muffler		
	Diffusion muffler		
	Diesel Particulate Filter(DPF)	-	-
LPG system Swing-open	Anti-fire spark muffler	-	-
	Without LPG bottle	-	
	Without LPG bottle and hose with bottle bracket	-	
	Swing-down LPG bracket	-	
Hydraulic control	Without LPG bottle, hose and bottle bracket	-	
	2 spool valve	-	-
	3 spool valve		
	4 spool valve		
	Single control lever		
	Double control lever		
	3 spool piping to carriage		
	4 spool piping to carriage		
Mast	Quick release type piping connector	-	-
	2-stage wide view mast with highfree mast (2H)		
	2-stage full free mast (2F)		
	3-stage full free mast (3F)		
	3-stage opti-view mast (3V)		
	Mast less		
	Mast protector	-	-
	Tilt Cylinder Cover		
	Tilt Cylinder Boots		
Carriage & Backrest	Tilt leveling system (Only no load)		
	Wide carriage	-	-
	Extra wide carriage	-	-
	ANSI type high backrest		
	Wide backrest	-	-
Fork	Extra wide backrest	-	-
	Without backrest	-	-
Fork	Long fork		

Option Availability

		...Standard	...Option
Item		CP1F1 15-20	
		ECCS Dual Gasoline/LPG	ECCS LPG
Steering system	Tilt steering		
	Hydrostatic power steering system		
	Steering knob		
	Steering synchronizer		-
Body	Rain guard (Vinyl type)	-	-
	Rain guard (Resin type)		
	Damper stay for top panel opening		
	Top panel lock with key	-	-
	Rearview mirrors		
	Belly pan		
Seat	Wheel cover		
	Restraint seat with suspension		
	Swivel seat & Rear grip handle		
Meters & Gauge	Seat less		
	Fuel gauge		-
	Water temperature gauge		
Lights & Alarm	Hour meter (key on or ignition on counting)		
	Headlights (with guard)		
	Back-up buzzer		
	Turn signal lamps		
	Rear combination lamps		
	Rear working light		
	Rotating lamp		
	Speedometer		
	Battery charge warning lamp		
	Torque converter fluid temp. warning		
	Air cleaner plugging warning		
	Parking brake warning buzzer		
	Forward/Reverse interlock warning lamp		
	Seatbelt warning lamp		
	Radiator fluid level warning		
	Engine check warning lamp		
	Engine oil pressure warning		
	Mast interlock operating		
	AT interlock operating		
	LPG warning	-	
Brake	Toggle joint type parking brake with warning buzzer		
Tire	Standard with Cushion tire		
	Wide cushion tire	-	-
	Standard with cushion tire with wide tread	-	-
	Wide cushion tire with wide tread	-	-
Rust-proof specifications			
Label	English		
	German		
	French		
	Spanish		

Fork Availability

...Standard		...Option
Model		CP1F1 15-20
Length mm	Without Fork	
	920	
	1070	
	1220	
	1370	
	1520	

Fork Dimensions

Width(W)Xthickness(T)mm	
C1F1 15-20	
All Length	100 x 40

Carriage & Backrest Dimensions

Carriage(NISSAN MAST)

Model		C1F1 15-20
Class		
Numbers of rollers (not include side rollers)		6 (3V : 4)
Carriage width(W) mm(in)	Standard	825
	Wide	-
	Extra wide	-
Max. fork spread mm(in)	Standard	805
	Wide	-
	Extra wide	-

Carriage(LIFTEK MAST)

Model		C1F1 15-20
CARRIAGE WIDTH LIFTEK MASTS mm(in)	Standard	825
	Wide	-
	Extra wide	-
		-

Backrest

Model		C1F1 15-20
Backrest height(H) mm	Standard	-
	High backrest	1215
	Wide backrest	-
	Extra wide backrest	-
Backrest width of(L) mm	Standard & high backrest	850
	Wide backrest	-
	Extra wide backrest	-
Plate thickness(T)mm(in)		12

Tire size

...Standard		...Option
Model		C1F1 15-20
Front	Single	Tire size(STD)
		18x6x12.13
Rear	Single	Tire size(STD)
		14x5x10

Unit Specification

CP1F1-U		
ENGINE SYSTEM	Model	K21
	Classification	ECCS Gasoline/LPG ECCS LPG
	Cycle	4
	Type	4 cylinder in-line OHV
	Displacement cm³	2065
	Bore x Stroke mm	89 x 83
	Compression ratio	8.7 9.3
	Air cleaner	Cyclone type, dry element
	Governor	-
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Electronic Fuel Injection type (GAS:MPI / LPG:SPI)
	Fuel pump	Diaphragm type
	Water pump	Centrifuge type
	Radiator	Corrugated fin
	Battery	12V-48AH
	Alternator	12V-50AH
	Starter motor	12V-1.2kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type 3-element, 1-stage, 2-phase
		Transmission type Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type -
		Transmission type -
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Full floating
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber bushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	41 liters -
	Hydraulic oil tank	26 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	Class II
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Torque converter fluid temperature warning / Fuel gauge / Shift position /
		Air cleaner warning / Water temperature gauge / Hour meter /
		Speedometer / AT interlock operating / Mast interlock operating /
		LPG low fuel warning / Radiator level warning
	Warning lamp	Battery charge warning lamp / Engine oil pressure warning lamp /
	Switch & knob	PKB warning lamp / Seat belt warning lamp / Engine check warning lamp
		Lighting switch/Starter switch

C1F2 U-model

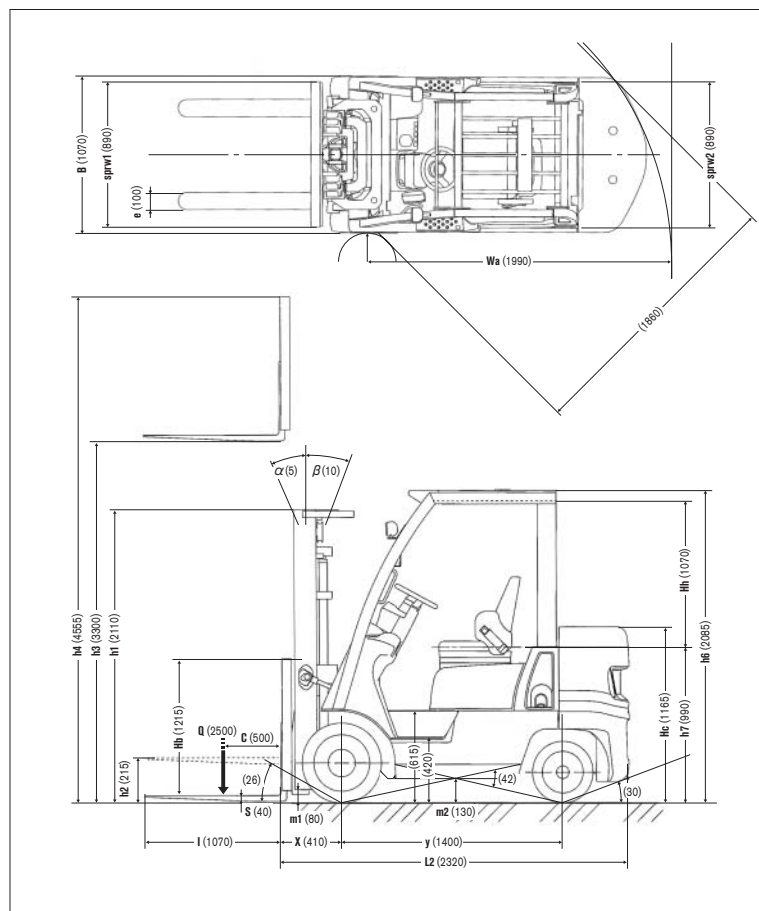
2.0
▼
3.6 ton
at 500mm
Load Center

Main Truck Specifications

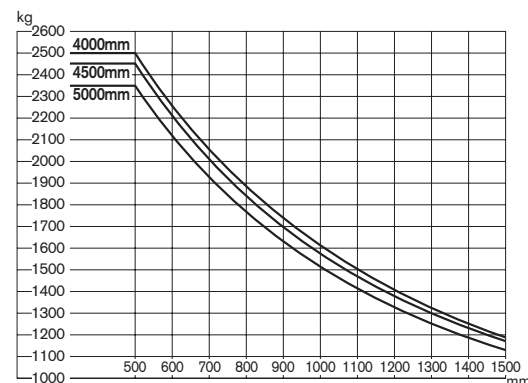
Item					MCP1F2A20DU (MCP1F2A20LU)	MCU1F2A20DU (MCU1F2A20LU)	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCP1F2A20DU (MCP1F2A20LU)	MCU1F2A20DU (MCU1F2A20LU)	2
	3	Load capacity	Q load lifted	kg	2000	2000	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline (LPG)	Gasoline (LPG)	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9
	10	Free lift	h2 standard free lift	mm	215	215	10
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13
		Max. Fork Spread		mm	880	880	
		Min. Fork Spread		mm	225	225	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2260	2260	15
	16		B overall width	mm	1070	1070	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4555	4555	18
	19		h6 height overhead guard	mm	2085	2085	19
	20		h7 height of driver's seat	mm	990	990	20
	21	Turning radius (outside)	Wa	mm	1930	1930	21
	22	Load distance	X from center of front axle	mm	410	410	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800 / 1000×1200	mm	3740/3540	3740/3540	23
PERFORMANCE	24	Speeds	travelling	full load km/h	17	17	24
				no load km/h	17	17	
	25		lifting	full load mm/s	600	660	25
				no load mm/s	650	700	
	26		lowering	full load mm/s	500	500	26
				no load mm/s	500	500	
WEIGHTS	28	Max. drawbar pull	full load/no load	N	16170/8330	18620/8330	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	33 / -	39 / -	29
	30	Max. gradeability	full load/no load	tan θ %	44/21	50/21	30
	32	Truck weight	no load	kg	3230	3230	32
	33	Weight distribution	full load front/rear	kg	4570/660	4570/660	33
	34		no load front/rear	kg	1270/1960	1270/1960	34
CHASSIS & WHEELS	35	Tires	number. front/rear	each	2 / 2	2 / 2	35
	36		size-front		21×7×15	21×7×15	36
	37		size-rear		16.25×6×11.25	16.25×6×11.25	37
	38	Wheelbase	y	mm	1400	1400	38
	39	Tread	sprv 1/sprw 2 front/rear	mm	890/890	890/890	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1165	1165	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	130	130	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	45
	49		manufacturer/type		NISSAN / K21	NISSAN / K25	49
	50	Internal	maximum engine rated power	kW/rpm	40.7/2700 (41.0/2700)	46.7/2700 (46.9/2700)	50
	51	Combustion engine	maximum engine rated torque	Nm/rpm	150/2000 (151/2000)	187/1600 (188/1600)	51
	52		number of cylinders/displacement	/cc	4/2065	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		1 / 1	1 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

C1F2-U

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	21 × 7 × 15	21 × 7 × 15
Overall Width	mm 1070	mm 1095
Front Tread	mm 890	mm 915

Ground Clearance

Under mast	mm	80
Under power unit	mm	105
Under frame	mm	130

Mast Specifications & Rated Capacities

MCP1F2A25DU, MCP1F2A25LU, MCU1F2A25DU, MCU1F2A25LU

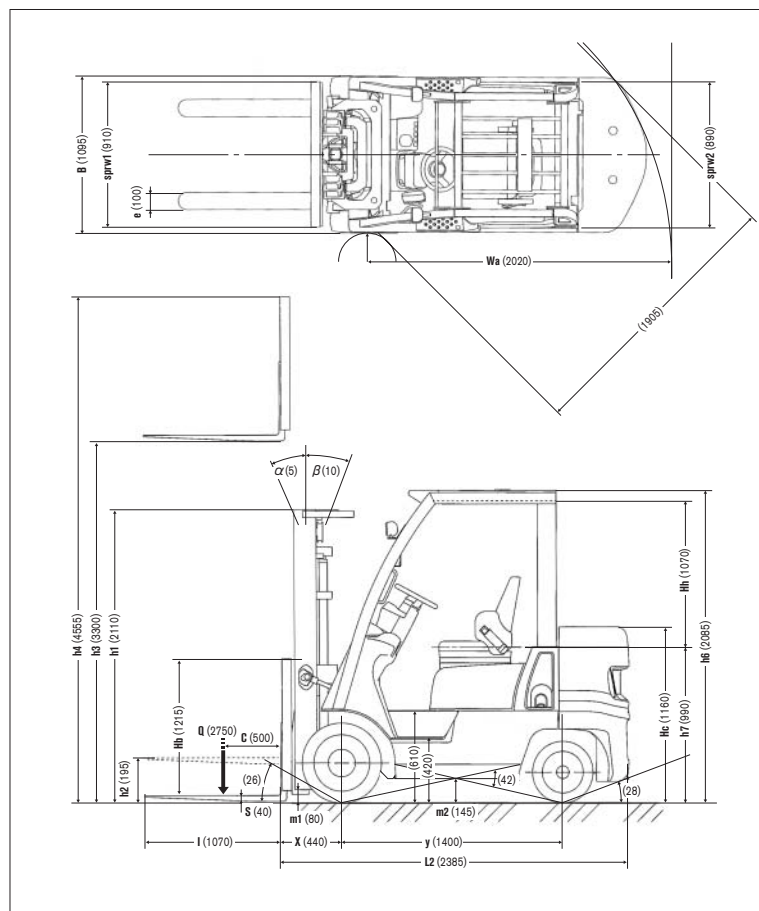
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward/ deg	Single tire Load center 500 mm kg
				Without backrest mm	With STD backrest mm					
Two stage ^{*1}	2W203	2030	1575	2595	3285	100	100	415	5/10	2500
Two stage (High free 2H)	2H210	2080	1500	2720	3335	215	215	410	5/10	2500
	2H270	2700	1810	3340	3955	215	215		5/10	2500
	2H300	3000	1960	3640	4255	215	215		5/10	2500
	2H330	3300	2110	3940	4555	215	215		5/10	2500
	2H350	3500	2245	4140	4755	215	215		5/10	2500
	2H370	3700	2370	4340	4955	215	215		5/10	2500
	2H400	4000	2560	4640	5255	305	305		5/10	2500
	2H450	4500	2810	5140	5755	305	305		5/ 5	2450
	2H500	5000	3060	5640	6255	305	305		5/ 5	2350
	Two stage (Full free 2F)	2F 270	2640	1830	3305	3895	1205		615	415
2F 300		2945	1980	3610	4200	1355	765	5/10	2500	
2F 330		3250	2135	3915	4505	1510	920	5/10	2500	
2F 350		3455	2235	4120	4710	1610	1020	5/10	2500	
2F 370		3655	2335	4320	4910	1710	1120	5/10	2500	
2F 400		3960	2490	4625	5215	1865	1275	5/10	2500	
Three stage (Full free 3F)	3F 385	3850	1810	4470	5105	1230	595	405	5/ 5	2500
	3F 430	4300	1960	4920	5555	1380	745		5/ 5	2450
	3F 475	4750	2110	5370	6005	1530	895		5/ 5	2350
	3F 515	5150	2245	5770	6405	1665	1030		5/ 5	2300
	3F 550	5500	2370	6120	6755	1790	1155		5/ 5	2000
	3F 600	6000	2560	6620	7255	1980	1345		5/ 5	1500
	3F 650	6500	2810	7120	7755	2230	1595		5/ 5	1150
	3F 700	7000	3060	7620	8255	2480	1845		5/ 5	600
Three stage (Opti view 3V)	3V 360	3600	1810	4195	4855	1255	595	450	5/ 5	2400
	3V 405	4050	1960	4645	5305	1405	745		5/ 5	2400
	3V 450	4500	2110	5095	5755	1555	895		5/ 5	2350
	3V 490	4900	2245	5495	6155	1690	1030		5/ 5	2250
	3V 525	5250	2370	5845	6505	1815	1155		5/ 5	2000
	3V 575	5750	2560	6345	7005	2005	1345		5/ 5	1500
	3V 633	6330	2810	6925	7585	2255	1595		5/ 5	1150
	3V 688	6880	3060	7475	8135	2505	1845		5/ 5	650

*1:Truckers Mast

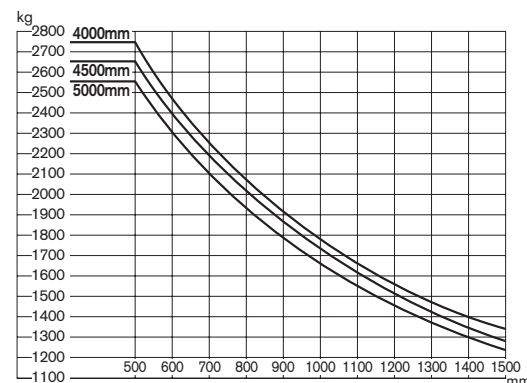
Main Truck Specifications

Item					MCP1F2A25DU (MCP1F2A25LU)	MCU1F2A25DU (MCU1F2A25LU)	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCP1F2A25DU (MCP1F2A25LU)	MCU1F2A25DU (MCU1F2A25LU)	2
	3	Load capacity	Q load lifted	kg	2500	2500	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline (LPG)	Gasoline (LPG)	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9
	10	Free lift	h2 standard free lift	mm	215	215	10
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13
		Max. Fork Spread		mm	880	880	
		Min. Fork Spread		mm	225	225	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2320	2320	15
	16		B overall width	mm	1070	1070	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4555	4555	18
	19		h6 height overhead guard	mm	2085	2085	19
	20		h7 height of driver's seat	mm	990	990	20
	21	Turning radius (outside)	Wa	mm	1990	1990	21
	22	Load distance	X from center of front axle	mm	410	410	22
	23	Right angle stacking aisle	Ast pallets (L× W) 1200×800 / 1000×1200	mm	3800/3600	3800/3600	23
PERFORMANCE	24	Speeds	travelling	full load km/h	17	17	24
				no load km/h	17	17	
	25		lifting	full load mm/s	600	660	25
				no load mm/s	650	700	
	26		lowering	full load mm/s	500	500	26
				no load mm/s	500	500	
WEIGHTS	28	Max. drawbar pull	full load/no load	N	16170/7840	18620/7840	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	28 / -	33 / -	29
	30	Max. gradeability	full load/no load	tan θ %	37/16	42/16	30
	32	Truck weight	no load	kg	3600	3600	32
	33	Weight distribution	full load front/rear	kg	5295/805	5295/805	33
	34		no load front/rear	kg	1170/2430	1170/2430	34
CHASSIS & WHEELS	35	Tires	number. front/rear	each	2 / 2	2 / 2	35
	36		size-front		21×7×15	21×7×15	36
	37		size-rear		16.25×6×11.25	16.25×6×11.25	37
	38	Wheelbase	y	mm	1400	1400	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	890/890	890/890	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1165	1165	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	130	130	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	45
	49		manufacturer/type		NISSAN / K21	NISSAN / K25	49
	50	Combustion engine	maximum engine rated power	kW/rpm	40.7/2700 (41.0/2700)	46.7/2700 (46.9/2700)	50
	51		maximum engine rated torque	Nm/rpm	150/2000 (151/2000)	187/1600 (188/1600)	51
	52		number of cylinders/displacement	/cc	4/2065	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		1 / 1	1 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	21×8×15	21×8×15
Overall Width	mm 1115	1145
Front Tread	mm 910	940

Ground Clearance

Under mast	mm	80
Under power unit	mm	100
Under frame	mm	145

Mast Specifications & Rated Capacities

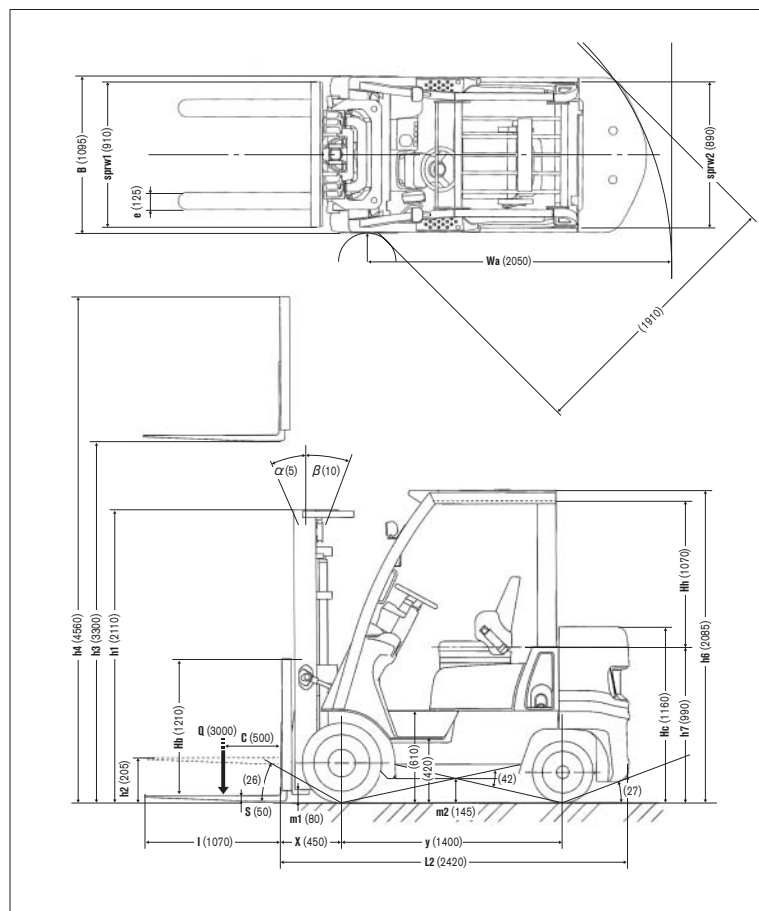
MCP1F2A28DU, MCP1F2A28LU, MCU1F2A28DU, MCU1F2A28LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Fully extended Without backrest mm	Fully extended With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H270	2700	1810	3340	3955	195	195	440	5/10	2750
	2H300	3000	1960	3640	4255	195	195		5/10	2750
	2H330	3300	2110	3940	4555	195	195		5/10	2750
	2H350	3500	2245	4140	4755	195	195		5/10	2750
	2H370	3700	2370	4340	4955	285	285		5/10	2750
	2H400	4000	2560	4640	5255	285	285		5/10	2750
	2H450	4500	2810	5140	5755	285	285		5/5	2650
	2H500	5000	3060	5640	6255	285	285		5/5	2550
	2F 270	2640	1830	3205	3895	1160	615		5/10	2750
	2F 300	2945	1980	3510	4200	1315	765		5/10	2750
Two stage (Full free 2F)	2F 330	3250	2135	3815	4505	1465	920	485	5/10	2750
	2F 350	3455	2235	4020	4710	1570	1020		5/10	2750
	2F 370	3655	2335	4220	4910	1670	1120		5/10	2750
	2F 400	3960	2490	4525	5215	1820	1275		5/10	2700
	3F 385	3850	1960	4415	5105	1435	745		5/5	2750
	3F 430	4300	2110	4865	5555	1585	895		5/5	2650
	3F 475	4750	2245	5315	6005	1720	1030		5/5	2600
	3F 515	5150	2370	5715	6405	1845	1155		5/5	2500
	3F 550	5500	2560	6065	6755	2035	1345		5/5	2200
	3F 600	6000	2810	6565	7255	2285	1595		5/5	1600
Three stage (Full free 3F)	3F 650	6500	3060	7065	7755	2535	1845	440	5/5	1150
	3F 700	7000	3310	7565	8255	2785	2095		5/5	550
	3V 385	3850	1960	4435	5105	1415	745		5/5	2600
	3V 430	4300	2110	4885	5555	1565	895		5/5	2600
	3V 470	4700	2245	5285	5955	1700	1030		5/5	2550
	3V 505	5050	2370	5635	6305	1825	1155		5/5	2500
	3V 555	5550	2560	6135	6805	2015	1345		5/5	2200
	3V 600	6000	2810	6585	7255	2265	1595		5/5	1500
	3V 650	6500	3060	7085	7755	2515	1845		5/5	1100
	3V 700	7000	3310	7585	8255	2765	2095		5/5	550
Three stage (Opti view 3V)	3V 385	3850	1960	4435	5105	1415	745	495	5/5	2600
	3V 430	4300	2110	4885	5555	1565	895		5/5	2600
	3V 470	4700	2245	5285	5955	1700	1030		5/5	2550
	3V 505	5050	2370	5635	6305	1825	1155		5/5	2500
	3V 555	5550	2560	6135	6805	2015	1345		5/5	2200
	3V 600	6000	2810	6585	7255	2265	1595		5/5	1500
	3V 650	6500	3060	7085	7755	2515	1845		5/5	1100
	3V 700	7000	3310	7585	8255	2765	2095		5/5	550

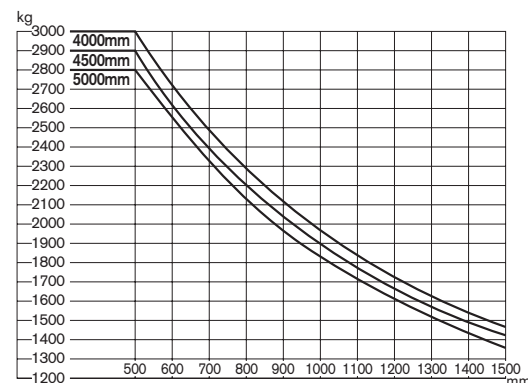
Main Truck Specifications

Item					MCP1F2A28DU (MCP1F2A28LU)	MCU1F2A28DU (MCU1F2A28LU)	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCP1F2A28DU (MCP1F2A28LU)	MCU1F2A28DU (MCU1F2A28LU)	2
	3	Load capacity	Q load lifted	kg	2750	2750	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline (LPG)	Gasoline (LPG)	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9
	10	Free lift	h2 standard free lift	mm	195	195	10
	13	Fork size	s.e.l	mm	40×100×1070	40×100×1070	13
		Max. Fork Spread		mm	980	980	
		Min. Fork Spread		mm	225	225	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2385	2385	15
	16		B overall width	mm	1115	1115	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4555	4555	18
	19		h6 height overhead guard	mm	2085	2085	19
	20		h7 height of driver's seat	mm	990	990	20
	21	Turning radius (outside)	Wa	mm	2020	2020	21
	22	Load distance	X from center of front axle	mm	440	440	22
	23	Right angle stacking aisle	Ast pallets (L× W) 1200×800 / 1000×1200	mm	3860/3660	3860/3660	23
PERFORMANCE	24	Speeds	travelling	full load km/h	17	17	24
				no load km/h	17	17	
	25		lifting	full load mm/s	480	530	25
				no load mm/s	520	560	
	26		lowering	full load mm/s	500	500	26
				no load mm/s	500	500	
	28	Max. drawbar pull	full load/no load	N	16170/7350	18620/7350	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	27 / -	32 / -	29
	30	Max. gradeability	full load/no load	tan θ %	30/16	34/16	30
WEIGHTS	32	Truck weight	no load	kg	4015	4015	32
	33	Weight distribution	full load front/rear	kg	5820/945	5820/945	33
	34		no load front/rear	kg	1225/2790	1225/2790	34
CHASSIS & WHEELS	35	Tires	number. front/rear	each	2 / 2	2 / 2	35
	36		size-front		21×8×15	21×8×15	36
	37		size-rear		16.25×6×11.25	16.25×6×11.25	37
	38	Wheelbase	y	mm	1400	1400	38
	39	Tread	sprv 1/sprw 2 front/rear	mm	910/890	910/890	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1215	1215	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1160	1160	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	145	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	45
	49		manufacturer/type		NISSAN / K21	NISSAN / K25	49
	50	Combustion engine	maximum engine rated power	kW/rpm	40.7/2700 (41.0/2700)	46.7/2700 (46.9/2700)	50
	51		maximum engine rated torque	Nm/rpm	150/2000 (151/2000)	187/1600 (188/1600)	51
	52		number of cylinders/displacement	/cc	4/2065	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		1 / 1	1 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	21×8×15	21×8×15
Overall Width	mm 1115	1145
Front Tread	mm 910	940

Ground Clearance

Under mast	mm	80
Under power unit	mm	100
Under frame	mm	145

Mast Specifications & Rated Capacities

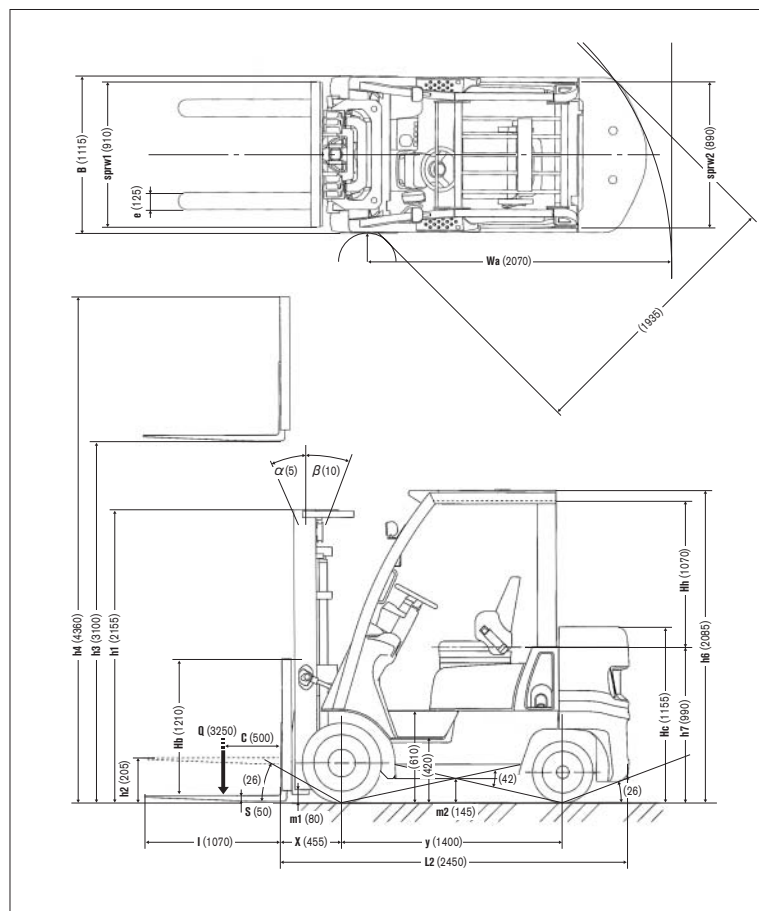
MCU1F2A30DU, MCU1F2A30LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H270	2700	1810	3345	3960	205	205	450	5/10	3000
	2H300	3000	1960	3645	4260	205	205		5/10	3000
	2H330	3300	2110	3945	4560	205	205		5/10	3000
	2H350	3500	2245	4145	4760	205	205		5/10	3000
	2H370	3700	2370	4345	4960	295	295		5/10	3000
	2H400	4000	2560	4645	5260	295	295		5/10	3000
	2H450	4500	2810	5145	5760	295	295		5/5	2900
	2H500	5000	3060	5645	6260	295	295		5/5	2800
	2F 270	2640	1855	3205	3900	1185	640		5/10	3000
	2F 300	2945	2005	3510	4205	1340	790		5/10	3000
Two stage (Full free 2F)	2F 330	3250	2160	3815	4510	1490	945	495	5/10	3000
	2F 350	3455	2260	4020	4715	1595	1045		5/10	3000
	2F 370	3660	2360	4220	4920	1695	1145		5/10	3000
	2F 400	3965	2515	4525	5225	1845	1300		5/10	2950
	3F 385	3850	1960	4425	5110	1435	750		5/5	3000
	3F 430	4300	2110	4875	5560	1585	900		5/5	2900
	3F 475	4750	2245	5325	6010	1720	1035		5/5	2850
	3F 515	5150	2370	5725	6410	1845	1160		5/5	2750
	3F 550	5500	2560	6075	6760	2035	1350		5/5	2350
	3F 600	6000	2810	6575	7260	2285	1600		5/5	1700
Three stage (Full free 3F)	3F 650	6500	3060	7075	7760	2535	1850	460	5/5	1150
	3F 700	7000	3310	7575	8260	2785	2100		5/5	300
	3V 385	3850	1960	4510	5110	1350	750		5/5	2800
	3V 430	4300	2110	4960	5560	1500	900		5/5	2750
	3V 470	4700	2245	5360	5960	1635	1035		5/5	2700
	3V 505	5050	2370	5710	6310	1760	1160		5/5	2650
	3V 555	5550	2560	6210	6810	1950	1350		5/5	2250
	3V 600	6000	2810	6660	7260	2200	1600		5/5	1600
	3V 650	6500	3060	7160	7760	2450	1850		5/5	800
	3V 700	7000	3310	7660	8260	2700	2100		5/5	350
Three stage (Opti view 3V)	3V 385	3850	1960	4510	5110	1350	750	510	5/5	2800
	3V 430	4300	2110	4960	5560	1500	900		5/5	2750
	3V 470	4700	2245	5360	5960	1635	1035		5/5	2700
	3V 505	5050	2370	5710	6310	1760	1160		5/5	2650
	3V 555	5550	2560	6210	6810	1950	1350		5/5	2250
	3V 600	6000	2810	6660	7260	2200	1600		5/5	1600
	3V 650	6500	3060	7160	7760	2450	1850		5/5	800
	3V 700	7000	3310	7660	8260	2700	2100		5/5	350

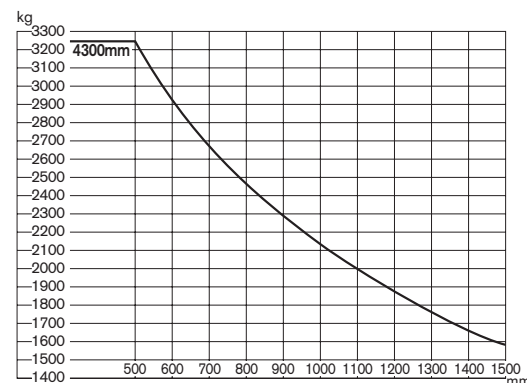
Main Truck Specifications

Item					MCU1F2A30DU	MCU1F2A30LU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCU1F2A30DU	MCU1F2A30LU	2
	3	Load capacity	Q load lifted	kg	3000	3000	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline	LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9
	10	Free lift	h2 standard free lift	mm	205	205	10
	13	Fork size	s.e.l	mm	50×125×1070	50×125×1070	13
		Max. Fork Spread		mm	1005	1005	
		Min. Fork Spread		mm	250	250	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2420	2420	15
	16		B overall width	mm	1115	1115	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4560	4560	18
	19		h6 height overhead guard	mm	2085	2085	19
	20		h7 height of driver's seat	mm	990	990	20
	21	Turning radius (outside)	Wa	mm	2050	2050	21
	22	Load distance	X from center of front axle	mm	450	450	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200×800 / 1000×1200	mm	3900/3700	3900/3700	23
PERFORMANCE	24	Speeds	travelling	full load km/h	17	17	24
				no load km/h	17	17	
	25		lifting	full load mm/s	530	530	25
				no load mm/s	560	560	
	26		lowering	full load mm/s	500	500	26
				no load mm/s	500	500	
	28	Max. drawbar pull	full load/no load	N	18620/7840	18620/7840	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	28 / -	28 / -	29
WEIGHTS	30	Max. gradeability	full load/no load	tan θ %	32/16	32/16	30
	32	Truck weight	no load	kg	4240	4240	32
CHASSIS & WHEELS	33	Weight distribution	full load front/rear	kg	6300/940	6300/940	33
	34		no load front/rear	kg	1265/2975	1265/2975	34
	35		number. front/rear	each	2 / 2	2 / 2	35
	36	Tires	size-front		21×8×15	21×8×15	36
	37		size-rear		16.25×6×11.25	16.25×6×11.25	37
	38	Wheelbase	y	mm	1400	1400	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	910/890	910/890	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1210	1210	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1160	1160	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	145	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	44	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	44
	49		manufacturer/type		NISSAN / K25	NISSAN / K25	49
	50	Combustion engine	maximum engine rated power	kW/rpm	46.7/2700	46.9/2700	50
	51		maximum engine rated torque	Nm/rpm	187/1600	188/1600	51
	52		number of cylinders/displacement	/cc	4/2488	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		1 / 1	1 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 4300 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	21×8×15	21×8×15
Overall Width	mm 1115	1145
Front Tread	mm 910	940

Ground Clearance

Under mast	mm	80
Under power unit	mm	95
Under frame	mm	145

Mast Specifications & Rated Capacities

MCU1F2A33DU, MCU1F2A33LU

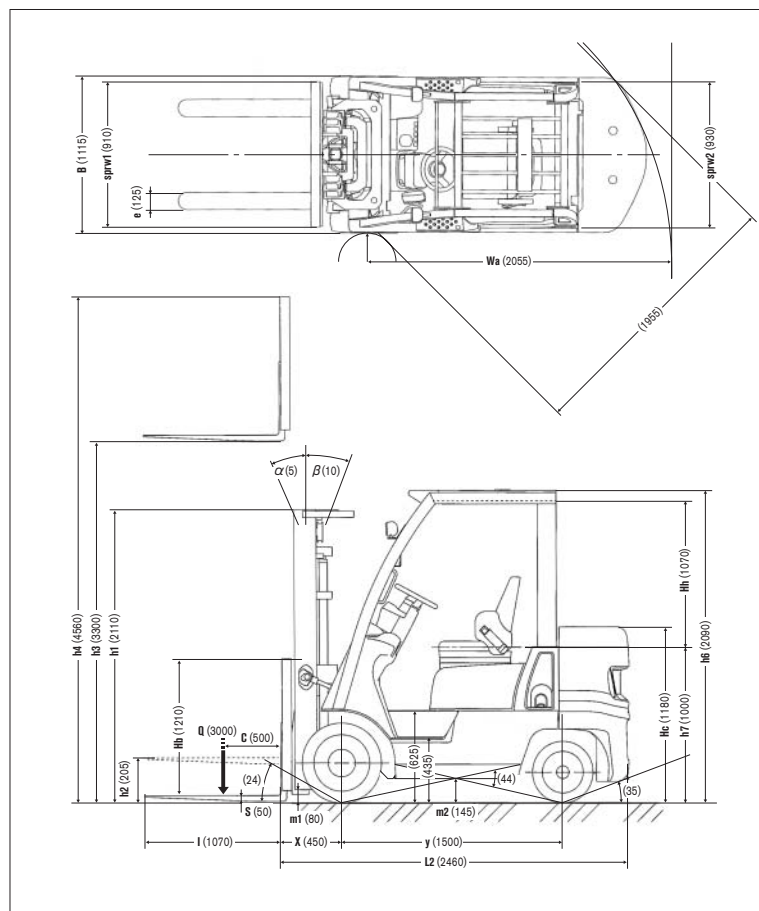
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H280	2800	1960	3540	4060	205	205	455	5/10	3250
	2H310	3100	2110	3840	4360	205	205		5/10	3250
	2H350	3500	2370	4240	4760	295	295		5/10	3250
	2H380	3800	2560	4540	5060	295	295		5/10	3250
	2H430	4300	2810	5040	5560	295	295		5/5	3250
Two stage (Full free 2F)	2F 280	2800	1960	3540	4060	1270	750	460	5/10	3250
	2F 310	3100	2110	3840	4360	1420	900		5/10	3250
	2F 350	3500	2370	4240	4760	1680	1160		5/10	3250
	2F 380	3800	2560	4540	5060	1870	1350		5/10	3250
	2F 430	4300	2810	5040	5560	2000	1500		5/5	3250
Three stage (Full free 3F)	3F 355	3550	1810	4260	4810	1150	600	460	5/5	3250
	3F 400	4000	1960	4710	5260	1300	750		5/5	3150
	3F 445	4450	2110	5160	5710	1450	900		5/5	3050
	3F 485	4850	2245	5560	6110	1585	1035		5/5	2950
	3F 520	5200	2370	5910	6460	1710	1160		5/5	2600
	3F 570	5700	2560	6410	6960	1900	1350		5/5	1950
	3F 620	6200	2810	6910	7460	2150	1600		5/5	1150
	3F 670	6700	3060	7410	7960	2400	1850		5/5	300
	3V 385	3850	1960	4550	5110	1310	750	510	5/5	3100
	3V 430	4300	2110	5000	5560	1460	900		5/5	3050
Three stage (Opti view 3V)	3V 470	4700	2245	5400	5960	1595	1035		5/5	3050
	3V 505	5050	2370	5750	6310	1720	1160		5/5	2950
	3V 555	5550	2560	6250	6810	1910	1350		5/5	2450
	3V 600	6000	2810	6700	7260	2160	1600		5/5	1650
	3V 650	6500	3060	7200	7760	2410	1850		5/5	750
	3V 700	7000	3310	7700	8260	2660	2100		5/5	350

Main Truck Specifications

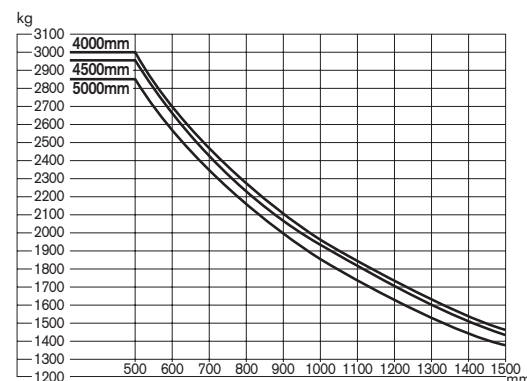
Item					MCU1F2A33DU	MCU1F2A33LU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCU1F2A33DU	MCU1F2A33LU	2
	3	Load capacity	Q load lifted	kg	3250	3250	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline	LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3100	3100	9
	10	Free lift	h2 standard free lift	mm	205	205	10
	13	Fork size	s.e.l	mm	50×125×1070	50×125×1070	13
		Max. Fork Spread		mm	980	980	
		Min. Fork Spread		mm	280	280	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2450	2450	15
	16		B overall width	mm	1115	1115	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4360	4360	18
	19		h6 height overhead guard	mm	2085	2085	19
	20		h7 height of driver's seat	mm	990	990	20
	21	Turning radius (outside)	Wa	mm	2070	2070	21
	22	Load distance	X from center of front axle	mm	455	455	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200×800 / 1000×1200	mm	3925/3725	3925/3725	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17	24
				no load	km/h	17	
	25		lifting	full load	mm/s	450	25
				no load	mm/s	470	
	26		lowering	full load	mm/s	420	26
				no load	mm/s	360	
	28	Max. drawbar pull	full load/no load		N	18620/7840	28
	29	Gradeability at 2km/h	full load/no load		tan θ %	24 / -	29
WEIGHTS	30	Max. gradeability	full load/no load		tan θ %	27/16	30
	32	Truck weight	no load		kg	4455	32
	33	Weight distribution	full load	front/rear	kg	6715/990	33
	34		no load	front/rear	kg	1250/3205	34
CHASSIS & WHEELS	35		number.	front/rear	each	2 / 2	35
	36	Tires	size-front			21×8×15	36
	37		size-rear			16.25×6×11.25	37
	38	Wheelbase	y		mm	1400	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	910/890	39
		Backrest height	Hb	top of backrest ~ upper of fork face	mm	1210	
		Overhead guard clearance	Hh		mm	1070	
		Counterweight height	Hc		mm	1155	
	40	Ground clearance	m1	full load minimum	mm	80	40
	41		m2	full load center of wheelbase	mm	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu			hydraulic	42
	43	Parking brake	foot/hand/seat switch			hand	43
DRIVE LINE	44	Battery	voltage/capacity (5 hour)		V/AH	12/60	44
	49		manufacturer/type			NISSAN / K25	49
	50	Combustion engine	maximum engine rated power		kW/rpm	46.7/2700	50
	51		maximum engine rated torque		Nm/rpm	187/1600	51
	52		number of cylinders/displacement		/cc	4/2488	52
	55	Transmission	type			Automatic	55
			speed forward/backward			1 / 1	
	57	Operating pressure	for attachment		MPa	12.7	57

C1F2-U

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	22×8×16	22×8×16
Overall Width	mm 1115	mm 1145
Front Tread	mm 910	mm 940

Ground Clearance

Under mast	mm	80
Under power unit	mm	95
Under frame	mm	145

Mast Specifications & Rated Capacities

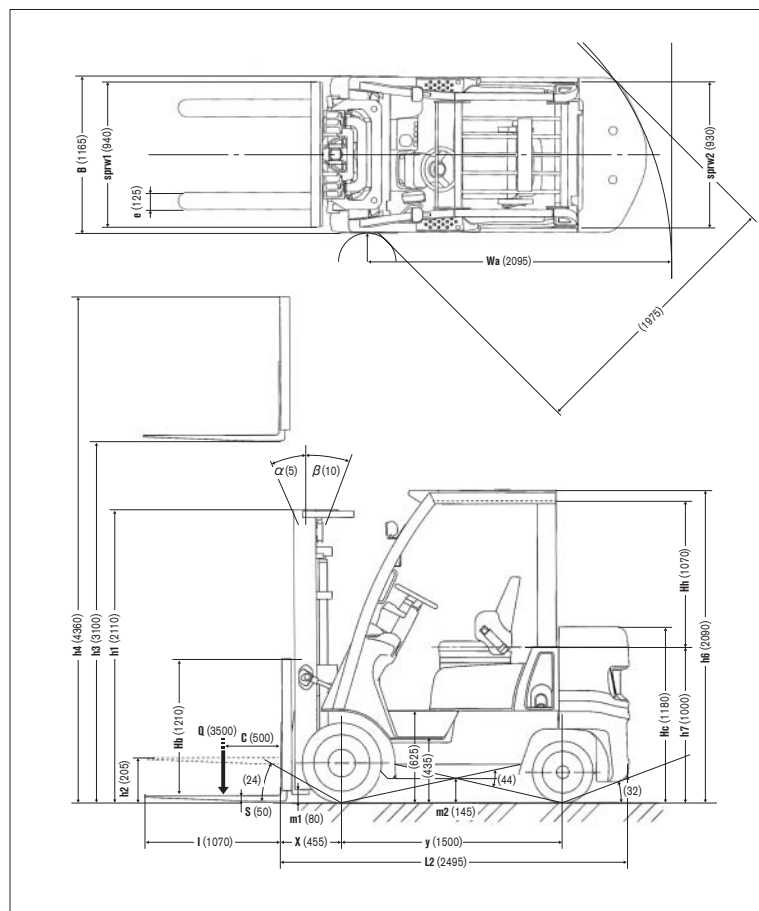
MCUG1F2F30DU, MCUG1F2F30LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H270	2700	1810	3345	3960	205	205	450	5/10	3000
	2H300	3000	1960	3645	4260	205	205		5/10	3000
	2H330	3300	2110	3945	4560	205	205		5/10	3000
	2H350	3500	2245	4145	4760	205	205		5/10	3000
	2H370	3700	2370	4345	4960	295	295		5/10	3000
	2H400	4000	2560	4645	5260	295	295		5/10	3000
	2H450	4500	2810	5145	5760	295	295		5/5	2950
	2H500	5000	3060	5645	6260	295	295		5/5	2850
	2F 270	2640	1855	3205	3900	1185	640		5/10	3000
	2F 300	2945	2005	3510	4205	1340	790		5/10	3000
Two stage (Full free 2F)	2F 330	3250	2160	3815	4510	1490	945	495	5/10	3000
	2F 350	3455	2260	4020	4715	1595	1045		5/10	3000
	2F 370	3660	2360	4220	4920	1695	1145		5/10	3000
	2F 400	3965	2515	4525	5225	1845	1300		5/10	3000
	3F 385	3850	1960	4425	5110	1435	750		5/5	3000
	3F 430	4300	2110	4875	5560	1585	900		5/5	2900
	3F 475	4750	2245	5325	6010	1720	1035		5/5	2850
	3F 515	5150	2370	5730	6410	1845	1160		5/5	2750
	3F 550	5500	2560	6075	6760	2035	1350		5/5	2400
	3F 600	6000	2810	6575	7260	2285	1600		5/5	1750
Three stage (Full free 3F)	3F 650	6500	3060	7075	7760	2535	1850	460	5/5	1300
	3F 700	7000	3310	7575	8260	2785	2100		5/5	500
	3V 385	3850	1960	4510	5110	1350	750		5/5	2800
	3V 430	4300	2110	4960	5560	1500	900		5/5	2750
	3V 470	4700	2245	5360	5960	1635	1035		5/5	2700
	3V 505	5050	2370	5710	6310	1760	1160		5/5	2650
	3V 555	5550	2560	6210	6810	1950	1350		5/5	2250
	3V 600	6000	2810	6660	7260	2200	1600		5/5	1650
	3V 650	6500	3060	7160	7760	2450	1850		5/5	900
	3V 700	7000	3310	7660	8260	2700	2100		5/5	500
Three stage (Opti view 3V)	3V 385	3850	1960	4510	5110	1350	750	510	5/5	2800
	3V 430	4300	2110	4960	5560	1500	900		5/5	2750
	3V 470	4700	2245	5360	5960	1635	1035		5/5	2700
	3V 505	5050	2370	5710	6310	1760	1160		5/5	2650
	3V 555	5550	2560	6210	6810	1950	1350		5/5	2250
	3V 600	6000	2810	6660	7260	2200	1600		5/5	1650
	3V 650	6500	3060	7160	7760	2450	1850		5/5	900
	3V 700	7000	3310	7660	8260	2700	2100		5/5	500

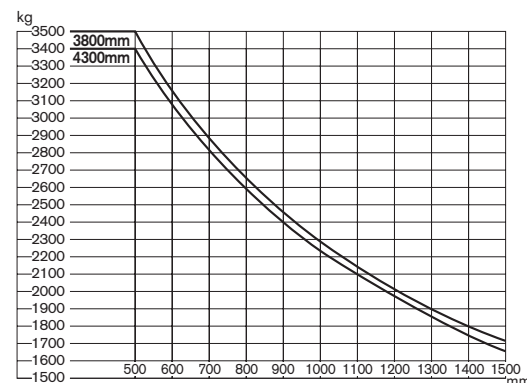
Main Truck Specifications

Item					MCUG1F2F30DU	MCUG1F2F30LU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCUG1F2F30DU	MCUG1F2F30LU	2
	3	Load capacity	Q load lifted	kg	3000	3000	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline	LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3300	3300	9
	10	Free lift	h2 standard free lift	mm	205	205	10
	13	Fork size	s.e.l	mm	50×125×1070	50×125×1070	13
		Max. Fork Spread		mm	1005	1005	
		Min. Fork Spread		mm	250	250	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2460	2460	15
	16		B overall width	mm	1115	1115	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4560	4560	18
	19		h6 height overhead guard	mm	2090	2090	19
	20		h7 height of driver's seat	mm	1000	1000	20
	21	Turning radius (outside)	Wa	mm	2055	2055	21
	22	Load distance	X from center of front axle	mm	450	450	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200×800 / 1000×1200	mm	3905/3705	3905/3705	23
PERFORMANCE	24	Speeds	travelling	full load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	24
				no load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	
	25		lifting	full load mm/s	530	530	25
				no load mm/s	560	560	
	26		lowering	full load mm/s	500	500	26
				no load mm/s	500	500	
	28	Max. drawbar pull	full load/no load	N	13375/11270	13375/11270	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	44 / -	44 / -	29
	30	Max. gradeability	full load/no load	tan θ %	48/18	48/18	30
WEIGHTS	32	Truck weight	no load	kg	4360	4360	32
	33	Weight distribution	full load front/rear	kg	6470/890	6470/890	33
	34		no load front/rear	kg	1565/2795	1565/2795	34
CHASSIS & WHEELS	35		number. front/rear	each	2 / 2	2 / 2	35
	36	Tires	size-front		22×8×16	22×8×16	36
	37		size-rear		18×6×12.13	18×6×12.13	37
	38	Wheelbase	y	mm	1500	1500	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	910/930	910/930	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1210	1210	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1180	1180	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	145	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
	45	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	45
DRIVE LINE	49		manufacturer/type		NISSAN / K25	NISSAN / K25	49
	50	Internal Combustion engine	maximum engine rated power	kW/rpm	46.7/2700	46.9/2700	50
	51		maximum engine rated torque	Nm/rpm	187/1600	188/1600	51
	52		number of cylinders/displacement	/cc	4/2488	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		2 / 1	2 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 3800 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	22×9×16	22×9×16
Overall Width	mm 1165	1260
Front Tread	mm 940	1035

Ground Clearance

Under mast	mm 80
Under power unit	mm 95
Under frame	mm 145

Mast Specifications & Rated Capacities

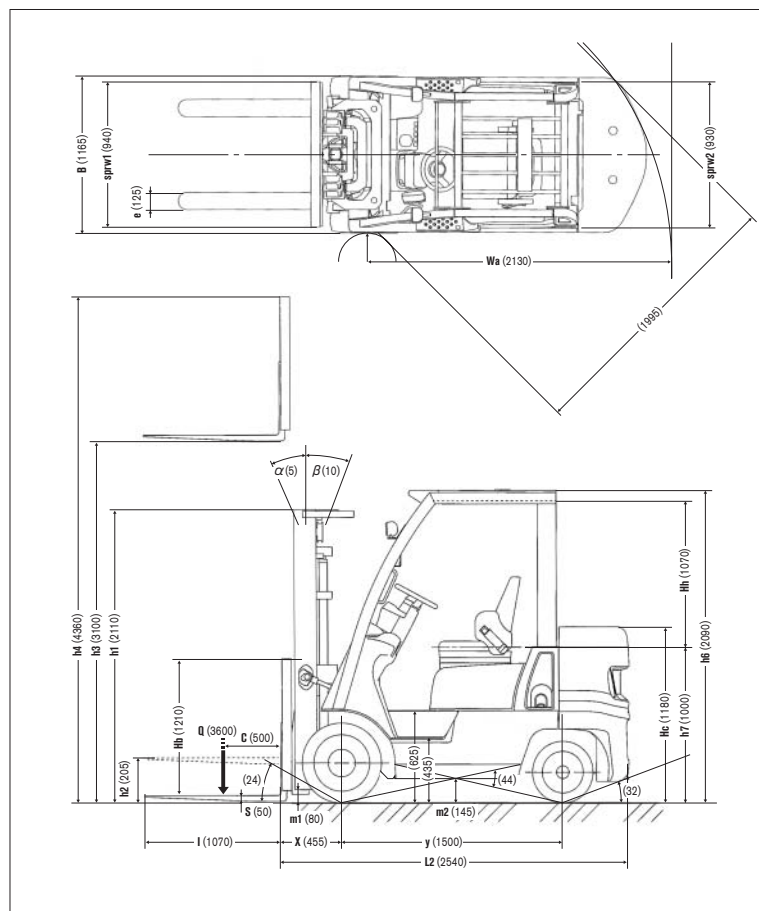
MCUG1F2F35DU, MCUG1F2F35LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H280	2800	1960	3540	4060	205	205	455	5/10	3500
	2H310	3100	2110	3840	4360	205	205		5/10	3500
	2H350	3500	2370	4240	4760	295	295		5/10	3500
	2H380	3800	2560	4540	5060	295	295		5/10	3500
	2H430	4300	2810	5040	5560	295	295		5/5	3400
Two stage (Full free 2F)	2F 280	2800	1960	3540	4060	1270	750	460	5/10	3500
	2F 310	3100	2110	3840	4360	1420	900		5/10	3500
	2F 350	3500	2370	4240	4760	1680	1160		5/10	3500
	2F 380	3800	2560	4540	5060	1870	1350		5/10	3500
	2F 430	4300	2810	5040	5560	1870	1350		5/5	3450
Three stage (Full free 3F)	3F 400	4000	1960	4710	5260	1300	750	460	5/5	3400
	3F 445	4450	2110	5160	5710	1450	900		5/5	3300
	3F 485	4850	2245	5560	6110	1585	1035		5/5	3250
	3F 520	5200	2370	5910	6460	1710	1160		5/5	3150
	3F 570	5700	2560	6410	6960	1900	1350		5/5	2450
Three stage (Opti view 3V)	3F 620	6200	2810	6910	7460	2150	1600	510	5/5	1350
	3F 670	6700	3060	7410	7960	2400	1850		5/5	550
	3V 385	3850	1960	4550	5110	1310	750		5/5	3200
	3V 430	4300	2110	5000	5560	1460	900		5/5	3200
	3V 470	4700	2245	5400	5960	1595	1035		5/5	3150
	3V 505	5050	2370	5750	6310	1720	1160		5/5	3100
	3V 555	5550	2560	6250	6810	1910	1350		5/5	2450
	3V 600	6000	2810	6700	7260	2160	1600		5/5	1350
	3V 650	6500	3060	7200	7760	2410	1850		5/5	950
	3V 700	7000	3310	7700	8260	2660	2100		5/5	550

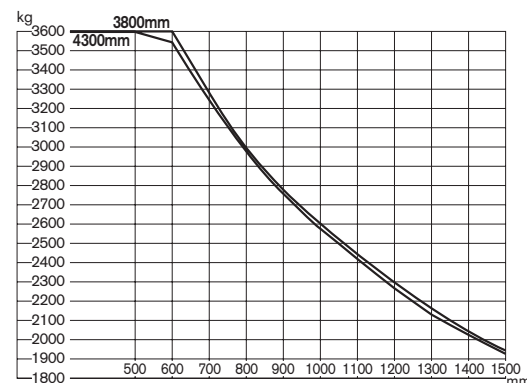
Main Truck Specifications

Item					MCUG1F2F35DU	MCUG1F2F35LU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCUG1F2F35DU	MCUG1F2F35LU	2
	3	Load capacity	Q load lifted	kg	3500	3500	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline	LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3100	3100	9
	10	Free lift	h2 standard free lift	mm	205	205	10
	13	Fork size	s.e.l	mm	50×125×1070	50×125×1070	13
		Max. Fork Spread		mm	985	985	
		Min. Fork Spread		mm	280	280	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2495	2495	15
	16		B overall width	mm	1165	1165	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4360	4360	18
	19		h6 height overhead guard	mm	2090	2090	19
	20		h7 height of driver's seat	mm	1000	1000	20
	21	Turning radius (outside)	Wa	mm	2095	2095	21
	22	Load distance	X from center of front axle	mm	455	455	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200×800 / 1000×1200	mm	3950/3750	3950/3750	23
PERFORMANCE	24	Speeds	travelling	full load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	24
				no load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	
	25		lifting	full load mm/s	450	450	25
				no load mm/s	470	470	
	26		lowering	full load mm/s	420	420	26
				no load mm/s	360	360	
	28	Max. drawbar pull	full load/no load	N	27685/10780	27685/10780	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	38 / -	38 / -	29
	30	Max. gradeability	full load/no load	tan θ %	46/18	46/18	30
WEIGHTS	32	Truck weight	no load	kg	4740	4740	32
	33	Weight distribution	full load front/rear	kg	7250/990	7250/990	33
	34		no load front/rear	kg	1520/3220	1520/3220	34
CHASSIS & WHEELS	35		number. front/rear	each	2 / 2	2 / 2	35
	36	Tires	size-front		22×9×16	22×9×16	36
	37		size-rear		18×6×12.13	18×6×12.13	37
	38	Wheelbase	y	mm	1500	1500	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	940/930	940/930	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1210	1210	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1180	1180	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	145	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	44	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	44
	49		manufacturer/type		NISSAN / K25	NISSAN / K25	49
	50	Combustion engine	maximum engine rated power	kW/rpm	46.7/2700	46.9/2700	50
	51		maximum engine rated torque	Nm/rpm	187/1600	188/1600	51
	52		number of cylinders/displacement	/cc	4/2488	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		2 / 1	2 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 3800 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	
Front Tread	Standard	Wide
Front Tire Size	22×9×16	22×9×16
Overall Width	mm 1165	mm 1260
Front Tread	mm 940	mm 1035

Ground Clearance

Under mast	mm	80
Under power unit	mm	95
Under frame	mm	145

Mast Specifications & Rated Capacities

MCUG1F2F36DU, MCUG1F2F36LU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (High free 2H)	2H280	2800	1960	3540	4060	205	205	455	5/10	3600
	2H310	3100	2110	3840	4360	205	205		5/10	3600
	2H350	3500	2370	4240	4760	295	295		5/10	3600
	2H380	3800	2560	4540	5060	295	295		5/10	3600
	2H430	4300	2810	5040	5560	295	295		5/5	3600
Two stage (Full free 2F)	2F 280	2800	1960	3540	4060	1270	750	460	5/10	3600
	2F 310	3100	2110	3840	4360	1420	900		5/10	3600
	2F 350	3500	2370	4240	4760	1680	1160		5/10	3600
	2F 380	3800	2560	4540	5060	1870	1350		5/10	3600
	2F 430	4300	2810	5040	5560	1870	1350		5/10	3600
Three stage (Full free 3F)	3F 355	3550	1810	4260	4810	1150	600	460	5/5	3600
	3F 400	4000	1960	4710	5260	1300	750		5/5	3600
	3F 445	4450	2110	5160	5710	1450	900		5/5	3600
	3F 485	4850	2245	5560	6110	1585	1035		5/5	3600
	3F 520	5200	2370	5910	6460	1710	1160		5/5	3600
	3F 570	5700	2560	6410	6960	1900	1350		5/5	2800
	3F 620	6200	2810	6910	7460	2150	1600		5/5	1400
	3F 670	6700	3060	7410	7960	2400	1850		5/5	600
	3V 385	3850	1960	4550	5110	1310	750	510	5/5	3600
	3V 430	4300	2110	5000	5560	1460	900		5/5	3600
Three stage (Opti view 3V)	3V 470	4700	2245	5400	5960	1595	1035		5/5	3600
	3V 505	5050	2370	5750	6310	1720	1160		5/5	3550
	3V 555	5550	2560	6250	6810	1910	1350		5/5	2800
	3V 600	6000	2810	6700	7260	2160	1600		5/5	1400
	3V 650	6500	3060	7200	7760	2410	1850		5/5	1000
	3V 700	7000	3310	7700	8260	2660	2100		5/5	600

Main Truck Specifications

Item					MCUG1F2F36DU	MCUG1F2F36LU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			MCUG1F2F36DU	MCUG1F2F36LU	2
	3	Load capacity	Q load lifted	kg	3600	3600	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	battery, diesel, gasoline, LP gas		Gasoline	LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		CUSH/CUSH	CUSH/CUSH	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3100	3100	9
	10	Free lift	h2 standard free lift	mm	205	205	10
	13	Fork size	s.e.l	mm	50×125×1070	50×125×1070	13
		Max. Fork Spread		mm	985	985	
		Min. Fork Spread		mm	280	280	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2540	2540	15
	16		B overall width	mm	1165	1165	16
	17		h1 height mast retracted	mm	2110	2110	17
	18		h4 height mast extended	mm	4360	4360	18
	19		h6 height overhead guard	mm	2090	2090	19
	20		h7 height of driver's seat	mm	1000	1000	20
	21	Turning radius (outside)	Wa	mm	2130	2130	21
	22	Load distance	X from center of front axle	mm	455	455	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200×800 / 1000×1200	mm	3985/3785	3985/3785	23
PERFORMANCE	24	Speeds	travelling	full load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	24
				no load km/h	1st 10 / 2nd 18.5	1st 10 / 2nd 18.5	
	25		lifting	full load mm/s	450	450	25
				no load mm/s	470	470	
	26		lowering	full load mm/s	420	420	26
				no load mm/s	360	360	
	28	Max. drawbar pull	full load/no load	N	27685/10780	27685/10780	28
	29	Gradeability at 2km/h	full load/no load	tan θ %	34 / -	34 / -	29
	30	Max. gradeability	full load/no load	tan θ %	43/15	43/15	30
WEIGHTS	32	Truck weight	no load	kg	5055	5055	32
	33	Weight distribution	full load front/rear	kg	7320/1335	7320/1335	33
	34		no load front/rear	kg	1425/3630	1425/3630	34
CHASSIS & WHEELS	35		number. front/rear	each	2 / 2	2 / 2	35
	36	Tires	size-front		22×9×16	22×9×16	36
	37		size-rear		18×6×12.13	18×6×12.13	37
	38	Wheelbase	y	mm	1500	1500	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	940/930	940/930	39
		Backrest height	Hb top of backrest ~ upper of fork face	mm	1210	1210	
		Overhead guard clearance	Hh	mm	1070	1070	
		Counterweight height	Hc	mm	1180	1180	
	40	Ground clearance	m1 full load minimum	mm	80	80	40
	41		m2 full load center of wheelbase	mm	145	145	41
	42	Service brake	mechanical/hydraulic/electric/pneu		hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch		hand	hand	43
DRIVE LINE	45	Battery	voltage/capacity (5 hour)	V/AH	12/60	12/60	45
	49		manufacturer/type		NISSAN / K25	NISSAN / K25	49
	50	Combustion engine	maximum engine rated power	kW/rpm	46.7/2700	46.9/2700	50
	51		maximum engine rated torque	Nm/rpm	187/1600	188/1600	51
	52		number of cylinders/displacement	/cc	4/2488	4/2488	52
	55	Transmission	type		Automatic	Automatic	55
			speed forward/backward		2 / 1	2 / 1	
	57	Operating pressure	for attachment	MPa	12.7	12.7	57

Loading Capacity

MCP1F2A20DU, MCP1F2A20LU, MCU1F2A20DU, MCU1F2A20LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H210	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H270	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H300	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H330	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H350	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H370	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H400	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H450	1950	1755	1600	1465	1355	1260	1175	1100	1040	980	930
	2H500	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
	2F270	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F300	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F330	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F350	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F370	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F400	1950	1760	1600	1470	1355	1260	1180	1105	1040	985	930
	3F385	2000	1800	1640	1500	1385	1290	1200	1125	1060	1000	950
	3F430	1950	1755	1595	1465	1350	1255	1170	1100	1035	975	925
	3F475	1850	1665	1515	1390	1280	1190	1110	1045	980	925	880
	3F515	1800	1620	1475	1350	1250	1160	1080	1015	955	900	855
	3F550	1700	1530	1390	1275	1180	1095	1020	960	900	850	805
	3F600	1350	1215	1105	1015	935	870	810	760	715	675	640
	3F650	1000	900	820	750	695	645	600	565	530	500	475
	3F700	500	450	410	375	345	320	300	280	265	250	235
	3V360	1950	1765	1610	1480	1370	1275	1195	1120	1055	1000	950
	3V405	1950	1765	1610	1480	1370	1275	1195	1120	1055	1000	950
	3V450	1850	1675	1525	1405	1300	1210	1130	1065	1005	950	900
	3V490	1800	1630	1485	1365	1265	1180	1100	1035	975	925	875
	3V525	1700	1535	1405	1290	1195	1110	1040	975	920	870	825
	3V575	1350	1220	1115	1025	950	885	825	775	730	690	655
	3V633	1100	995	910	835	775	720	675	630	595	565	535
	3V688	600	540	495	455	420	390	365	345	325	305	290
WIDE TREAD	2H210	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H270	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H300	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H330	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H350	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H370	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H400	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	2H450	1950	1755	1600	1465	1355	1260	1175	1100	1040	980	930
	2H500	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
	2F270	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F300	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F330	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F350	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F370	2000	1805	1640	1505	1390	1295	1210	1135	1065	1010	955
	2F400	1950	1760	1600	1470	1355	1260	1180	1105	1040	985	930
	3F385	2000	1800	1640	1500	1385	1290	1200	1125	1060	1000	950
	3F430	1950	1755	1595	1465	1350	1255	1170	1100	1035	975	925
	3F475	1850	1665	1515	1390	1280	1190	1110	1045	980	925	880
	3F515	1800	1620	1475	1350	1250	1160	1080	1015	955	900	855
	3F550	1750	1575	1435	1315	1215	1125	1050	985	930	875	830
	3F600	1700	1530	1390	1275	1180	1095	1020	960	900	850	805
	3F650	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F700	1000	900	820	750	695	645	600	565	530	500	475
	3V360	1950	1765	1610	1480	1370	1275	1195	1120	1055	1000	950
	3V405	1950	1765	1610	1480	1370	1275	1195	1120	1055	1000	950
	3V450	1850	1675	1525	1405	1300	1210	1130	1065	1005	950	900
	3V490	1800	1630	1485	1365	1265	1180	1100	1035	975	925	875
	3V525	1750	1585	1445	1330	1230	1145	1070	1005	950	895	850
	3V575	1700	1535	1405	1290	1195	1110	1040	975	920	870	825
	3V633	1400	1265	1155	1065	985	915	855	805	760	720	680
	3V688	1000	905	825	760	705	655	610	575	540	510	485

Loading Capacity

MCP1F2A25DU, MCP1F2A25LU, MCU1F2A25DU, MCU1F2A25LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2W203	2500	2255	2050	1880	1740	1615	1510	1415	1335	1260	1195
	2H210	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H270	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H300	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H330	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H350	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H370	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H400	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H450	2450	2205	2010	1845	1700	1580	1475	1385	1305	1230	1170
	2H500	2350	2115	1925	1770	1635	1515	1415	1330	1250	1180	1120
	2F270	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F300	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F330	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F350	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F370	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F400	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	3F385	2500	2250	2045	1875	1735	1610	1505	1410	1325	1255	1185
	3F430	2450	2205	2005	1840	1700	1580	1475	1380	1300	1230	1165
	3F475	2350	2115	1925	1765	1630	1515	1415	1325	1245	1180	1115
	3F515	2300	2070	1885	1725	1595	1480	1385	1295	1220	1155	1090
	3F550	2000	1800	1640	1500	1385	1290	1200	1125	1060	1000	950
	3F600	1500	1350	1230	1125	1040	965	900	845	795	750	710
	3F650	1150	1035	940	865	795	740	690	650	610	575	545
	3F700	600	540	490	450	415	385	360	340	320	300	285
	3V360	2400	2170	1980	1825	1685	1570	1470	1380	1300	1230	1165
	3V405	2400	2170	1980	1825	1685	1570	1470	1380	1300	1230	1165
	3V450	2350	2125	1940	1785	1650	1540	1440	1350	1275	1205	1145
	3V490	2250	2035	1860	1710	1580	1475	1375	1295	1220	1155	1095
	3V525	2000	1810	1650	1520	1405	1310	1225	1150	1085	1025	975
	3V575	1500	1355	1240	1140	1055	980	920	860	815	770	730
	3V633	1150	1040	950	875	810	750	705	660	625	590	560
	3V688	650	585	535	495	455	425	400	375	350	335	315
WIDE TREAD	2W203	2500	2255	2050	1880	1740	1615	1510	1415	1335	1260	1195
	2H210	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H270	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H300	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H330	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H350	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H370	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H400	2500	2250	2050	1880	1735	1615	1505	1415	1330	1255	1190
	2H450	2450	2205	2010	1845	1700	1580	1475	1385	1305	1230	1170
	2H500	2350	2115	1925	1770	1635	1515	1415	1330	1250	1180	1120
	2F270	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F300	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F330	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F350	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F370	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	2F400	2500	2255	2050	1885	1740	1615	1510	1415	1335	1260	1195
	3F385	2500	2250	2045	1875	1735	1610	1505	1410	1325	1255	1185
	3F430	2450	2205	2005	1840	1700	1580	1475	1380	1300	1230	1165
	3F475	2350	2115	1925	1765	1630	1515	1415	1325	1245	1180	1115
	3F515	2300	2070	1885	1725	1595	1480	1385	1295	1220	1155	1090
	3F550	2250	2025	1840	1690	1560	1450	1350	1270	1195	1130	1070
	3F600	1650	1485	1350	1240	1145	1060	990	930	875	825	785
	3F650	1300	1170	1065	975	900	835	780	735	690	650	615
	3F700	1100	990	900	825	760	710	660	620	585	550	520
	3V360	2400	2170	1980	1825	1685	1570	1470	1380	1300	1230	1165
	3V405	2400	2170	1980	1825	1685	1570	1470	1380	1300	1230	1165
	3V450	2350	2125	1940	1785	1650	1540	1440	1350	1275	1205	1145
	3V490	2300	2080	1900	1745	1615	1505	1410	1325	1245	1180	1120
	3V525	2250	2035	1860	1710	1580	1475	1375	1295	1220	1155	1095
	3V575	1650	1490	1360	1255	1160	1080	1010	950	895	845	800
	3V633	1300	1175	1075	985	915	850	795	745	705	665	630
	3V688	800	725	660	605	560	525	490	460	435	410	390

Loading Capacity

MCP1F2A28DU, MCP1F2A28LU, MCU1F2A28DU, MCU1F2A28LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H270	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H300	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H330	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H350	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H370	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H400	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H450	2650	2395	2185	2010	1860	1730	1615	1520	1430	1355	1285
	2H500	2550	2305	2100	1935	1790	1665	1555	1460	1375	1300	1235
	2F270	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F300	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F330	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F350	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F370	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F400	2700	2450	2245	2070	1920	1790	1680	1580	1490	1410	1340
	3F385	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1335
	3F430	2650	2395	2185	2010	1860	1730	1620	1520	1430	1355	1285
	3F475	2600	2350	2145	1970	1825	1695	1585	1490	1405	1330	1260
	3F515	2500	2260	2060	1895	1755	1630	1525	1435	1350	1275	1210
	3F550	2200	1990	1815	1670	1545	1435	1345	1260	1190	1125	1065
	3F600	1600	1445	1320	1215	1120	1045	975	915	865	815	775
	3F650	1150	1040	950	870	805	750	700	660	620	585	555
	3F700	550	495	455	415	385	360	335	315	295	280	265
	3V385	2600	2360	2165	1995	1855	1730	1620	1525	1440	1365	1295
	3V430	2600	2360	2165	1995	1855	1730	1620	1525	1440	1365	1295
	3V470	2550	2315	2120	1960	1820	1695	1590	1495	1410	1340	1270
	3V505	2500	2270	2080	1920	1780	1665	1560	1465	1385	1310	1245
	3V555	2200	2000	1830	1690	1570	1465	1370	1290	1220	1155	1095
	3V600	1500	1360	1250	1150	1070	995	935	880	830	785	745
	3V650	1100	1000	915	845	785	730	685	645	610	575	550
	3V700	550	500	455	420	390	365	340	320	305	290	275
WIDE TREAD	2H270	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H300	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H330	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H350	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H370	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H400	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1330
	2H450	2650	2395	2185	2010	1860	1730	1615	1520	1430	1355	1285
	2H500	2600	2350	2145	1970	1825	1695	1585	1490	1405	1330	1260
	2F270	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F300	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F330	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F350	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F370	2750	2495	2285	2110	1955	1825	1710	1610	1520	1440	1365
	2F400	2700	2450	2245	2070	1920	1790	1680	1580	1490	1410	1340
	3F385	2750	2485	2265	2085	1930	1795	1680	1575	1485	1405	1335
	3F430	2650	2395	2185	2010	1860	1730	1620	1520	1430	1355	1285
	3F475	2600	2350	2145	1970	1825	1695	1585	1490	1405	1330	1260
	3F515	2500	2260	2060	1895	1755	1630	1525	1435	1350	1275	1210
	3F550	2450	2215	2020	1855	1720	1600	1495	1405	1325	1250	1185
	3F600	1850	1670	1525	1400	1300	1210	1130	1060	1000	945	895
	3F650	1300	1175	1070	985	910	850	795	745	700	665	630
	3F700	1050	950	865	795	735	685	640	600	565	535	510
	3V385	2600	2360	2165	1995	1855	1730	1620	1525	1440	1365	1295
	3V430	2600	2360	2165	1995	1855	1730	1620	1525	1440	1365	1295
	3V470	2550	2315	2120	1960	1820	1695	1590	1495	1410	1340	1270
	3V505	2500	2270	2080	1920	1780	1665	1560	1465	1385	1310	1245
	3V555	2200	2000	1830	1690	1570	1465	1370	1290	1220	1155	1095
	3V600	1650	1500	1375	1265	1175	1095	1030	970	915	865	820
	3V650	1250	1135	1040	960	890	830	780	735	690	655	625
	3V700	750	680	625	575	535	500	465	440	415	395	375

Loading Capacity

MCU1F2A30DU, MCU1F2A30LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H270	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H300	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H330	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H350	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H370	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H400	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H450	2900	2625	2395	2205	2040	1900	1780	1670	1575	1490	1415
	2H500	2800	2535	2315	2130	1970	1835	1715	1610	1520	1440	1365
	2F270	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F300	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F330	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F350	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F370	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F400	2950	2680	2455	2265	2105	1965	1840	1735	1635	1550	1470
	3F385	3000	2715	2480	2285	2115	1970	1845	1735	1635	1545	1470
	3F430	2900	2625	2400	2210	2045	1905	1785	1675	1580	1495	1420
	3F475	2850	2580	2360	2170	2010	1875	1755	1645	1555	1470	1395
	3F515	2750	2490	2275	2095	1940	1805	1690	1590	1500	1420	1345
	3F550	2350	2130	1945	1790	1660	1545	1445	1360	1280	1210	1150
	3F600	1700	1540	1405	1295	1200	1115	1045	980	925	875	830
	3F650	1150	1040	950	875	810	755	705	665	625	595	560
	3F700	300	270	250	230	210	195	185	175	165	155	145
	3V385	2800	2550	2335	2160	2005	1875	1755	1655	1565	1480	1410
	3V430	2750	2500	2295	2120	1970	1840	1725	1625	1535	1455	1385
	3V470	2700	2455	2255	2080	1935	1805	1695	1595	1505	1430	1360
	3V505	2650	2410	2210	2045	1900	1775	1665	1565	1480	1400	1330
	3V555	2250	2045	1880	1735	1610	1505	1410	1330	1255	1190	1130
	3V600	1600	1455	1335	1235	1145	1070	1005	945	895	845	805
	3V650	800	730	665	615	575	535	500	470	445	425	400
	3V700	350	320	290	270	250	235	220	205	195	185	175
WIDE TREAD	2H270	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H300	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H330	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H350	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H370	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H400	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H450	2900	2625	2395	2205	2040	1900	1780	1670	1575	1490	1415
	2H500	2850	2580	2355	2165	2005	1865	1745	1640	1545	1465	1390
	2F270	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F300	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F330	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F350	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F370	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F400	2950	2680	2455	2265	2105	1965	1840	1735	1635	1550	1470
	3F385	3000	2715	2480	2285	2115	1970	1845	1735	1635	1545	1470
	3F430	2900	2625	2400	2210	2045	1905	1785	1675	1580	1495	1420
	3F475	2850	2580	2360	2170	2010	1875	1755	1645	1555	1470	1395
	3F515	2750	2490	2275	2095	1940	1805	1690	1590	1500	1420	1345
	3F550	2350	2130	1945	1790	1660	1545	1445	1360	1280	1210	1150
	3F600	1800	1630	1490	1370	1270	1185	1105	1040	980	930	880
	3F650	1300	1175	1075	990	915	855	800	750	710	670	635
	3F700	800	725	660	610	565	525	490	460	435	410	390
	3V385	2800	2550	2335	2160	2005	1875	1755	1655	1565	1480	1410
	3V430	2750	2500	2295	2120	1970	1840	1725	1625	1535	1455	1385
	3V470	2700	2455	2255	2080	1935	1805	1695	1595	1505	1430	1360
	3V505	2650	2410	2210	2045	1900	1775	1665	1565	1480	1400	1330
	3V555	2550	2320	2130	1965	1825	1705	1600	1505	1425	1350	1280
	3V600	1750	1590	1460	1350	1255	1170	1100	1035	975	925	880
	3V650	1250	1135	1045	965	895	835	785	740	700	660	630
	3V700	550	500	460	425	395	370	345	325	305	290	275

Loading Capacity

MCU1F2A33DU, MCU1F2A33LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H280	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H310	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H330	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H380	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H430	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2F280	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F310	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F350	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F380	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F355	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F400	3150	2850	2605	2400	2220	2070	1935	1820	1715	1625	1540
	3F445	3050	2760	2525	2325	2150	2005	1875	1765	1660	1575	1495
	3F485	2950	2670	2440	2245	2080	1940	1815	1705	1610	1520	1445
	3F520	2600	2355	2150	1980	1835	1710	1600	1500	1415	1340	1270
	3F570	1950	1765	1615	1485	1375	1280	1200	1125	1065	1005	955
	3F620	1150	1040	950	875	810	755	705	665	625	595	560
	3F670	300	270	250	230	210	195	185	175	165	155	145
	3V385	3100	2820	2590	2390	2220	2075	1945	1830	1730	1640	1560
	3V430	3050	2775	2545	2350	2185	2040	1915	1800	1705	1615	1535
	3V470	3050	2775	2545	2350	2185	2040	1915	1800	1705	1615	1535
	3V505	2950	2685	2465	2275	2115	1975	1850	1745	1645	1560	1485
	3V555	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
	3V600	1650	1500	1375	1270	1180	1105	1035	975	920	875	830
	3V650	750	680	625	580	535	500	470	445	420	395	375
	3V700	350	320	290	270	250	235	220	205	195	185	175
WIDE TREAD	2H280	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H310	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H330	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H380	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2H430	3250	2940	2685	2475	2290	2135	1995	1875	1770	1675	1585
	2F280	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F310	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F350	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	2F380	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F355	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F400	3150	2850	2605	2400	2220	2070	1935	1820	1715	1625	1540
	3F445	3050	2760	2525	2325	2150	2005	1875	1765	1660	1575	1495
	3F485	2950	2670	2440	2245	2080	1940	1815	1705	1610	1520	1445
	3F520	2600	2355	2150	1980	1835	1710	1600	1500	1415	1340	1270
	3F570	1950	1765	1615	1485	1375	1280	1200	1125	1065	1005	955
	3F620	1500	1360	1240	1140	1060	985	920	865	815	775	735
	3F670	500	450	415	380	350	330	305	290	270	255	245
	3V385	3100	2820	2590	2390	2220	2075	1945	1830	1730	1640	1560
	3V430	3050	2775	2545	2350	2185	2040	1915	1800	1705	1615	1535
	3V470	3050	2775	2545	2350	2185	2040	1915	1800	1705	1615	1535
	3V505	2950	2685	2465	2275	2115	1975	1850	1745	1645	1560	1485
	3V555	2600	2365	2170	2005	1865	1740	1630	1535	1450	1375	1305
	3V600	1750	1590	1460	1350	1255	1170	1100	1035	975	925	880
	3V650	1000	910	835	770	715	670	625	590	560	530	500
	3V700	550	500	460	425	395	370	345	325	305	290	275

Loading Capacity

MCUG1F2F30DU, MCUG1F2F30LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H270	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H300	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H330	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H350	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H370	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H400	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H450	2950	2670	2435	2240	2075	1935	1810	1700	1600	1515	1435
	2H500	2850	2580	2355	2165	2005	1865	1745	1640	1545	1465	1390
	2F270	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F300	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F330	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F350	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F370	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F400	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	3F385	3000	2715	2480	2285	2115	1970	1845	1735	1635	1545	1470
	3F430	2900	2625	2400	2210	2045	1905	1785	1675	1580	1495	1420
	3F475	2850	2580	2360	2170	2010	1875	1755	1645	1555	1470	1395
	3F515	2750	2490	2275	2095	1940	1805	1690	1590	1500	1420	1345
	3F550	2400	2175	1985	1830	1695	1575	1475	1385	1310	1240	1175
	3F600	1750	1585	1450	1335	1235	1150	1075	1010	955	900	855
	3F650	1300	1175	1075	990	915	855	800	750	710	670	635
	3F700	500	450	415	380	350	330	305	290	270	255	245
	3V385	2800	2550	2335	2160	2005	1875	1755	1655	1565	1480	1410
	3V430	2750	2500	2295	2120	1970	1840	1725	1625	1535	1455	1385
	3V470	2700	2455	2255	2080	1935	1805	1695	1595	1505	1430	1360
	3V505	2650	2410	2210	2045	1900	1775	1665	1565	1480	1400	1330
	3V555	2250	2045	1880	1735	1610	1505	1410	1330	1255	1190	1130
	3V600	1650	1500	1375	1270	1180	1105	1035	975	920	875	830
	3V650	900	820	750	695	645	600	565	530	500	475	450
	3V700	500	455	415	385	360	335	315	295	280	265	250
WIDE TREAD	2H270	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H300	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H330	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H350	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H370	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H400	3000	2715	2480	2280	2110	1965	1840	1730	1630	1540	1460
	2H450	2950	2670	2435	2240	2075	1935	1810	1700	1600	1515	1435
	2H500	2850	2580	2355	2165	2005	1865	1745	1640	1545	1465	1390
	2F270	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F300	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F330	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F350	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F370	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	2F400	3000	2725	2500	2305	2140	1995	1870	1760	1665	1575	1495
	3F385	3000	2715	2480	2285	2115	1970	1845	1735	1635	1545	1470
	3F430	2900	2625	2400	2210	2045	1905	1785	1675	1580	1495	1420
	3F475	2850	2580	2360	2170	2010	1875	1755	1645	1555	1470	1395
	3F515	2750	2490	2275	2095	1940	1805	1690	1590	1500	1420	1345
	3F550	2700	2445	2235	2055	1905	1775	1660	1560	1470	1390	1320
	3F600	2600	2355	2150	1980	1835	1710	1600	1500	1415	1340	1270
	3F650	2000	1810	1655	1525	1410	1315	1230	1155	1090	1030	980
	3F700	1350	1220	1115	1030	950	885	830	780	735	695	660
	3V385	2800	2550	2335	2160	2005	1875	1755	1655	1565	1480	1410
	3V430	2750	2500	2295	2120	1970	1840	1725	1625	1535	1455	1385
	3V470	2700	2455	2255	2080	1935	1805	1695	1595	1505	1430	1360
	3V505	2650	2410	2210	2045	1900	1775	1665	1565	1480	1400	1330
	3V555	2550	2320	2130	1965	1825	1705	1600	1505	1425	1350	1280
	3V600	2000	1820	1670	1540	1435	1340	1255	1180	1115	1060	1005
	3V650	1400	1275	1170	1080	1005	935	880	825	780	740	705
	3V700	1000	910	835	770	715	670	625	590	560	530	500

Loading Capacity

MCUG1F2F35DU, MCUG1F2F35LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H280	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H310	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H350	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H380	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H430	3400	3075	2810	2585	2395	2230	2090	1960	1850	1750	1660
	2F280	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F310	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F350	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F380	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	3F355	3450	3125	2855	2625	2435	2265	2120	1995	1880	1780	1690
	3F400	3400	3080	2815	2590	2400	2235	2090	1965	1855	1755	1665
	3F445	3300	2990	2730	2515	2330	2170	2030	1905	1800	1700	1615
	3F485	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F520	3150	2850	2605	2400	2220	2070	1935	1820	1715	1625	1540
	3F570	2450	2220	2025	1865	1730	1610	1505	1415	1335	1265	1200
	3F620	1350	1220	1115	1030	950	885	830	780	735	695	660
	3F670	550	500	455	420	390	360	340	315	300	285	270
	3V385	3200	2910	2670	2470	2295	2140	2010	1890	1785	1695	1610
	3V430	3200	2910	2670	2470	2295	2140	2010	1890	1785	1695	1610
	3V470	3150	2865	2630	2430	2255	2110	1975	1860	1760	1665	1585
	3V505	3100	2820	2590	2390	2220	2075	1945	1830	1730	1640	1560
	3V555	2450	2230	2045	1890	1755	1640	1540	1450	1370	1295	1230
	3V600	1350	1230	1125	1040	965	905	845	800	755	715	680
	3V650	950	865	795	730	680	635	595	560	530	500	475
	3V700	550	500	460	425	395	370	345	325	305	290	275
WIDE TREAD	2H280	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H310	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H350	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H380	3500	3170	2895	2665	2465	2295	2150	2020	1905	1800	1710
	2H430	3400	3075	2810	2585	2395	2230	2090	1960	1850	1750	1660
	2F280	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F310	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F350	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	2F380	3500	3170	2895	2665	2470	2300	2150	2025	1910	1805	1715
	3F355	3450	3125	2855	2625	2435	2265	2120	1995	1880	1780	1690
	3F400	3400	3080	2815	2590	2400	2235	2090	1965	1855	1755	1665
	3F445	3300	2990	2730	2515	2330	2170	2030	1905	1800	1700	1615
	3F485	3250	2945	2690	2475	2295	2135	2000	1880	1770	1675	1590
	3F520	3150	2850	2605	2400	2220	2070	1935	1820	1715	1625	1540
	3F570	3000	2715	2480	2285	2115	1970	1845	1735	1635	1545	1470
	3F620	2500	2265	2070	1905	1765	1645	1535	1445	1360	1290	1225
	3F670	1650	1495	1365	1255	1165	1085	1015	955	900	850	805
	3V385	3200	2910	2670	2470	2295	2140	2010	1890	1785	1695	1610
	3V430	3200	2910	2670	2470	2295	2140	2010	1890	1785	1695	1610
	3V470	3150	2865	2630	2430	2255	2110	1975	1860	1760	1665	1585
	3V505	3100	2820	2590	2390	2220	2075	1945	1830	1730	1640	1560
	3V555	2950	2685	2465	2275	2115	1975	1850	1745	1645	1560	1485
	3V600	2700	2455	2255	2080	1935	1805	1695	1595	1505	1430	1360
	3V650	1700	1545	1420	1310	1220	1135	1065	1005	950	900	855
	3V700	1500	1365	1250	1155	1075	1005	940	885	835	795	755

Loading Capacity

MCUG1F2F36DU, MCUG1F2F36LU

Unit: kg

Load center		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
STANDARD TREAD	2H280	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H310	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H350	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H380	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H430	3600	3550	3240	2985	2765	2575	2410	2260	2135	2020	1915
	2F280	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F310	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F350	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F380	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	3F355	3600	3550	3245	2985	2765	2575	2410	2265	2135	2020	1920
	3F400	3600	3500	3200	2945	2725	2540	2375	2235	2105	1995	1890
	3F445	3600	3450	3150	2900	2690	2505	2345	2200	2075	1965	1865
	3F485	3600	3350	3060	2815	2610	2430	2275	2140	2015	1910	1810
	3F520	3600	3250	2970	2735	2530	2360	2205	2075	1955	1850	1755
	3F570	2800	2550	2330	2145	1985	1850	1730	1625	1535	1450	1380
	3F620	1400	1250	1140	1050	975	905	850	795	750	710	675
	3F670	600	550	500	460	430	400	375	350	330	315	295
	3V385	3600	3400	3120	2880	2675	2500	2345	2210	2085	1975	1880
	3V430	3600	3400	3120	2880	2675	2500	2345	2210	2085	1975	1880
	3V470	3600	3300	3025	2795	2600	2425	2275	2145	2025	1920	1825
	3V505	3550	3200	2935	2710	2520	2355	2205	2080	1965	1860	1770
	3V555	2800	2550	2340	2160	2010	1875	1760	1655	1565	1485	1410
	3V600	1400	1250	1145	1060	985	920	860	810	765	725	690
	3V650	1000	900	825	760	710	660	620	585	550	525	495
	3V700	600	550	505	465	435	405	380	355	335	320	305
WIDE TREAD	2H280	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H310	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H350	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H380	3600	3600	3290	3025	2800	2610	2440	2295	2165	2045	1940
	2H430	3600	3550	3240	2985	2765	2575	2410	2260	2135	2020	1915
	2F280	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F310	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F350	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	2F380	3600	3600	3290	3030	2805	2615	2445	2300	2165	2050	1945
	3F355	3600	3550	3245	2985	2765	2575	2410	2265	2135	2020	1920
	3F400	3600	3500	3200	2945	2725	2540	2375	2235	2105	1995	1890
	3F445	3600	3450	3150	2900	2690	2505	2345	2200	2075	1965	1865
	3F485	3600	3350	3060	2815	2610	2430	2275	2140	2015	1910	1810
	3F520	3600	3250	2970	2735	2530	2360	2205	2075	1955	1850	1755
	3F570	3500	3150	2880	2650	2455	2285	2140	2010	1895	1795	1700
	3F620	3100	2800	2560	2355	2180	2030	1900	1785	1685	1595	1515
	3F670	1950	1750	1600	1470	1365	1270	1190	1115	1055	995	945
	3V385	3600	3400	3120	2880	2675	2500	2345	2210	2085	1975	1880
	3V430	3600	3400	3120	2880	2675	2500	2345	2210	2085	1975	1880
	3V470	3600	3300	3025	2795	2600	2425	2275	2145	2025	1920	1825
	3V505	3550	3200	2935	2710	2520	2355	2205	2080	1965	1860	1770
	3V555	3400	3100	2845	2625	2440	2280	2140	2015	1900	1800	1715
	3V600	3100	2800	2570	2375	2205	2060	1930	1820	1720	1630	1545
	3V650	1900	1750	1605	1485	1380	1285	1205	1135	1075	1015	965
	3V700	1750	1600	1465	1355	1260	1175	1105	1040	980	930	885

Truck Weight

Unit:kg

Mast type	Mast name	MCP1F2/MCU1F2		MCP1F2/MCU1F2	
		A20DU/LU		A25DU/LU	
		STD TREAD	WIDE TREAD	STD TREAD	WIDE TREAD
Two stage ^{*1}	2W203	-	-	3520	3520
Two stage (High free 2H)	2H210	3165	3165	3530	3530
	2H270	3190	3190	3555	3555
	2H300	3210	3210	3580	3580
	2H330	3230	3230	3600	3600
	2H350	3250	3250	3620	3620
	2H370	3280	3280	3645	3645
	2H400	3305	3305	3675	3675
	2H450	3340	3340	3710	3710
Two stage (Full free 2F)	2H500	3380	3380	3745	3745
	2F 270	3285	3285	3655	3655
	2F 300	3310	3310	3675	3675
	2F 330	3330	3330	3700	3700
	2F 350	3345	3345	3715	3715
	2F 370	3360	3360	3730	3730
Three stage (Full free 3F)	2F 400	3385	3385	3755	3755
	3F 385	3400	3400	3765	3765
	3F 430	3430	3430	3800	3800
	3F 475	3465	3465	3830	3830
	3F 515	3495	3495	3860	3860
	3F 550	3545	3545	3915	3915
	3F 600	3585	3585	3955	3955
	3F 650	3635	3635	4005	4005
Three stage (Opti view 3V)	3F 700	3690	3690	4060	4060
	3V 360	3450	3450	3815	3815
	3V 405	3495	3495	3860	3860
	3V 450	3530	3530	3895	3895
	3V 490	3560	3560	3925	3925
	3V 525	3625	3625	3990	3990
	3V 575	3665	3665	4030	4030
	3V 633	3720	3720	4085	4085
Truck weight without mast	3V 688	3770	3770	4140	4140
		2620	2620	2990	2990

^{*1}:Truckers Mast

Truck Weight

Unit:kg

Mast type	Mast name	MCP1F2/MCU1F2		MCU1F2	
		A28DU/LU		A30DU/LU	
		STD TREAD	WIDE TREAD	STD TREAD	WIDE TREAD
Two stage (High free 2H)	2H270	3970	3970	4190	4190
	2H300	3980	3980	4205	4205
	2H330	4015	4015	4240	4240
	2H350	4040	4040	4265	4265
	2H370	4085	4085	4310	4310
	2H400	4115	4115	4340	4340
	2H450	4160	4160	4385	4385
Two stage (Full free 2F)	2H500	4205	4205	4430	4430
	2F 270	4025	4025	4240	4240
	2F 300	4050	4050	4265	4265
	2F 330	4075	4075	4290	4290
	2F 350	4095	4095	4310	4310
	2F 370	4110	4110	4325	4325
	2F 400	4135	4135	4350	4350
Three stage (Full free 3F)	3F 385	4175	4175	4410	4410
	3F 430	4215	4215	4445	4445
	3F 475	4255	4255	4490	4490
	3F 515	4290	4290	4525	4525
	3F 550	4355	4355	4585	4585
	3F 600	4405	4405	4635	4635
	3F 650	4470	4470	4705	4705
Three stage (Opti view 3V)	3F 700	4540	4540	4770	4770
	3V 385	4295	4295	4525	4525
	3V 430	4335	4335	4565	4565
	3V 470	4370	4370	4600	4600
	3V 505	4445	4445	4675	4675
	3V 555	4495	4495	4725	4725
	3V 600	4560	4560	4790	4790
Truck weight without mast	3V 650	4630	4630	4860	4860
	3V 700	4680	4680	4910	4910
		3285	3285	3445	3445

Truck Weight

Unit:kg			
Mast type	Mast name	MCU1F2	
		A33DU/LU	
		STD TREAD	WIDE TREAD
Two stage (High free 2H)	2H280	4420	4420
	2H310	4455	4455
	2H330	4525	4525
	2H380	4555	4555
	2H430	4600	4600
Two stage (Full free 2F)	2F 280	4485	4485
	2F 310	4515	4515
	2F 350	4590	4590
	2F 380	4625	4625
Three stage (Full free 3F)	3F 355	4635	4635
	3F 400	4675	4675
	3F 445	4720	4720
	3F 485	4755	4755
	3F 520	4820	4820
	3F 570	4870	4870
	3F 620	4940	4940
	3F 670	5005	5005
Three stage (Opti view 3V)	3V 385	4725	4725
	3V 430	4765	4765
	3V 470	4805	4805
	3V 505	4875	4875
	3V 555	4930	4930
	3V 600	5000	5000
	3V 650	5065	5065
	3V 700	5115	5115
Truck weight without mast		3625	3625

Truck Weight

Unit:kg			
Mast type	Mast name	MCUG1F2	
		F30DU/LU	
		STD tread	Wide tread
Two stage (High free 2H)	2H270	4310	4310
	2H300	4320	4320
	2H330	4360	4360
	2H350	4380	4380
	2H370	4425	4425
	2H400	4460	4460
	2H450	4505	4505
	2H500	4545	4545
Two stage (Full free 2F)	2F 270	4360	4360
	2F 300	4385	4385
	2F 330	4410	4410
	2F 350	4425	4425
	2F 370	4440	4440
	2F 400	4465	4465
Three stage (Full free 3F)	3F 385	4525	4525
	3F 430	4565	4565
	3F 475	4605	4605
	3F 515	4645	4645
	3F 550	4705	4705
	3F 600	4755	4755
	3F 650	4820	4820
	3F 700	4890	4890
Three stage (Opti view 3V)	3V 385	4645	4645
	3V 430	4685	4685
	3V 470	4720	4720
	3V 505	4790	4790
	3V 555	4840	4840
	3V 600	4910	4910
	3V 650	4975	4975
	3V 700	5030	5030
Truck weight without mast		3565	3565

Truck Weight

Unit:kg

Mast type	Mast name	MCUG1F2			
		F35DU/LU		F36DU/LU	
		STD tread	Wide tread	STD tread	Wide tread
Two stage (High free 2H)	2H280	4705	4705	5020	5020
	2H310	4740	4740	5055	5055
	2H350	4810	4810	5125	5125
	2H380	4845	4845	5160	5160
	2H430	4890	4890	5205	5205
Two stage (Full free 2F)	2F 280	4775	4775	5090	5090
	2F 310	4800	4800	5115	5115
	2F 350	4875	4875	5190	5190
	2F 380	4910	4910	5225	5225
Three stage (Full free 3F)	3F 355	4920	4920	5235	5235
	3F 400	4965	4965	5280	5280
	3F 445	5005	5005	5320	5320
	3F 485	5045	5045	5360	5360
	3F 520	5105	5105	5420	5420
	3F 570	5155	5155	5470	5470
	3F 620	5225	5225	5540	5540
	3F 670	5295	5295	5610	5610
Three stage (Opti view 3V)	3V 385	5010	5010	5325	5325
	3V 430	5055	5055	5370	5370
	3V 470	5090	5090	5405	5405
	3V 505	5160	5160	5475	5475
	3V 555	5215	5215	5530	5530
	3V 600	5285	5285	5600	5600
	3V 650	5355	5355	5670	5670
	3V 700	5400	5400	5715	5715
Truck weight without mast		3910	3910	4225	4225

Tire and Tread Specifications

Specification		Dimension		C1F2					...Standard ...Option				
Tire	Front tread			20	25	28	30	33	Mast availability				
Standard	Standard	W	Overall width	m	1070	1070	1115	1115	1115				
		Tf	Front tread	m	890	890	910	910	910				
		Ai	Right angle intersecting aisle(STD forks)	mm	1825	1845	1930	1925	1935				
			Front tire size		21 x 7 x 15	21 x 7 x 15	21 x 8 x 15	21 x 8 x 15	21 x 8 x 15				
Standard	Wide	W	Overall width	m	1095	1095	1145	1145	1145				
		Tf	Front tread	m	915	915	940	940	940				
		Ai	Right angle intersecting aisle(STD forks)	mm	1835	1855	1940	1935	1945				
			Front tire size		21 x 7 x 15	21 x 7 x 15	21 x 8 x 15	21 x 8 x 15	21 x 8 x 15				

Specification		Dimension		CG1F2			Mast availability			
Tire	Front tread			30	35	36	2H	2F	3F	3V
Standard	Standard	W	Overall width	m	1115	1165	1165			
		Tf	Front tread	m	910	940	940			
		Ai	Right angle intersecting aisle(STD forks)		1935	1975	1995			
			Front tire size		22 x 8 x 16	22 x 9 x 16	22 x 9 x 16			
Standard	Wide	W	Overall width	m	1145	1260	1260			
		Tf	Front tread	m	940	1035	1035			
		Ai	Right angle intersecting aisle(STD forks)	mm	1945	2010	2030			
			Front tire size		22 x 8 x 16	22 x 9 x 16	22 x 9 x 16			

Additional Truck Weight

■FORKS		Unit:kg			
Model(Capacity code)		C1F2	C1F2	C1F2	CG1F2
		20-25	28	30-33	30-36
Fork length mm	Less fork	-95	-95	-145	-145
	920	-10	-10	-15	-15
	1070	±0	±0	±0	±0
	1220	-10	-10	-15	+15
	1370	+20	+45	+30	+30
	1520	+30	+55	+45	+45

CARRIAGE & BACKREST		Unit:kg	
CARRIAGE	BACKREST	C1F2	CG1F2
		20-33	30-36
Standard	High	±0	±0
	Less	-35	-35

LPG SYSTEM		Unit:kg	
Type		C1F2	CG1F2
		20-33	30-36
	Gasoline	±0	±0
LPGG:No bombe + MTG + Hose(S/O)		-10	-10
LPGQ:No bombe + MTG + Hose(S/D)		-10	-10

Option Availability

		CU1F2/CP1F2 20-33		CUG1F2 30-36	
		ECCS Dual Gasoline/LPG	ECCS LPG	ECCS Dual Gasoline/LPG	ECCS LPG
Engine	ECCS(Electronic Concentrated Control System) type				
	Speed & Power / ECO Selector				
	IC ignition system				
	Anti-restart system				
	Neutral-start switch				
	Auto choke				
	F-shaped unequivalent pitch cooling fan				
	Double fan belts	-	-	-	-
Cooling system	Reduction starter motor				
	High capacity battery (12V/64AH)				
	Corrugated fin type radiator				
	Radiator screen				
	CORRUGATE SQUARE FIN				
	Oil cooler (Radiator built-in type)				
Intake system	30% density LLC (Non-amine)	-	-	-	-
	50% density LLC (Non-amine)				
Exhaust system	Super air intake system				
	Cyclone air cleaner				
	Standard muffler	-	-	-	-
	Overhead exhaust muffler	-	-	-	-
	Three way catalytic muffler				
	Diffusion muffler				
LPG system Swing-open	Diesel Particulate Filter(DPF)	-	-	-	-
	Anti-fire spark muffler	-	-	-	-
	Without LPG bottle	-		-	
	Without LPG bottle and hose with bottle bracket	-		-	
Hydraulic control	Swing-down LPG bracket	-		-	
	Without LPG bottle, hose and bottle bracket	-		-	
	2 spool valve	-	-	-	-
	3 spool valve				
	4 spool valve				
	3 spool valve(Electric) for 2.0,2.5ton and 3F only			-	-
	4 spool valve(Electric) for 2.0,2.5ton and 3F only			-	-
	Single control lever				
	Twin control lever				
	3 spool piping to carriage				
Mast	4 spool piping to carriage				
	Quick release type piping connector	-	-	-	-
	2-stage wide view mast with highfree mast (2H)				
	2-stage full free mast (2F)				
	3-stage full free mast (3F)				
	3-stage opti-view mast (3V)				
	Mast less				
	Mast protector	-	-	-	-
Carriage & Backrest	Tilt Cylinder Cover				
	Tilt Cylinder Boots				
	Tilt leveling system(Only no load)				
	Wide carriage	-	-	-	-
	Extra wide carriage	-	-	-	-
	ANSI type high backrest				
Fork	Wide backrest	-	-	-	-
	Extra wide backrest	-	-	-	-
	Without backrest	-	-	-	-
Fork	Long fork				

Option Availability

		...Standard		...Option	
Item		CU1F2/CP1F2 20-33		CUG1F2 30-36	
		ECCS Dual Gasoline/LPG	ECCS LPG	ECCS Dual Gasoline/LPG	ECCS LPG
Steering system	Tilt steering				
	Hydrostatic power steering system				
	Steering knob				
	Steering synchronizer	-	-	-	-
Body	Rain guard (Vinyl type)	-	-	-	-
	Rain guard (Resin type)				
	Damper stay for top panel opening				
	Top panel lock with key	-	-	-	-
	Rearview mirrors				
	Belly pan				
	Wheel cover				
Seat	Hip Support suspension seat with switch				
	Swivel seat & Rear grip handle				
	Seat less				
Meters & Gauge	Fuel gauge		-		-
	Water temperature gauge				
	Hour meter (key on or ignition on counting)				
Lights & Alarm	Headlights (with guard)				
	Back-up buzzer				
	Turn signal lamps				
	Rear combination lamps				
	Rear operating lamp				
	Rotating lamp				
	Speedometer				
	Battery charge warning lamp				
	Torque converter fluid temp. warning lamp (A/T model)				
	Air cleaner plugging warning lamp				
	Parking brake warning buzzer				
	Forward/Reverse interlock warning lamp (A/T model)				
	Seatbelt warning lamp				
	Radiator fluid level warning lamp				
	Engine check warning lamp				
	Engine oil pressure warning				
	Mast interlock operationg				
	AT interlock operating				
	LPG warning lamp	-		-	
Brake	Toggle joint type parking brake with warning buzzer				
Tires	Standard with Cushion tire				
	Wide cushion tire	-	-	-	-
	Standard with cushion tire with wide tread				
	Wide cushion tire with wide tread	-	-	-	-
Rust-proof specifications					
Label	English				
	German				
	French				
	Spanish				

Fork Availability

		...Standard	...Option
Model		C1F2 20-28	C1F2&CG1F2 30-36
Length mm			
Fork	Less fork		
	920		
	1070		
	1220		
	1370		
	1520		
	1830	-	

Fork Dimensions

	Width(W)Xthickness(T)mm(in)	
	C1F2	C1F2 & CG1F2
	20-28	30-36
All Length	100 x 40	125 x 50

Carriage & Backrest Dimensions

Carriage(NISSAN MAST)

Model		C1F2 20-25	C1F2 28	C1F2 30	CG1F2 33	C1F2 30	CG1F2 35-36
Class							
Numbers of rollers (not include side rollers)		6 (3V : 4)	6 (3F, 3V : 4)	6 (3F, 3V : 4)	6 (3V : 4)	6 (3F, 3V : 4)	6 (3V : 4)
Carriage width(W) mm	Standard	920	1020	1020	1020	1020	1020
	Wide	-	-	-	-	-	-
	Extra wide	-	-	-	-	-	-
Max. fork spread mm	Standard	880	980	1005	985	1005	985
	Wide	-	-	-	-	-	-
	Extra wide	-	-	-	-	-	-

Backrest

Model		C1F2 20-25	C1F2 28	C1F2 30-33	CG1F2 30	CG1F2 35-36
Backrest height(H) mm(in)	Standard	-	-	-	-	-
	High backrest	1215	1215	1210	1210	1210
	Wide backrest	-	-	-	-	-
	Extra wide backrest	-	-	-	-	-
Backrest width of(L) mm(in)	Standard & high backrest	945	1045	1045	1045	1045
	Wide backrest	-	-	-	-	-
	Extra wide backrest	-	-	-	-	-
Plate thickness(T)mm(in)		12	12	12	12	12

Carriage(LIFTEK MAST)

Model		C1F2 20-25	C1F2 28-33	CG1F2 30-36
CARRIAGE WIDTH LIFTEK MASTS mm(in)	Standard	920	1020	1020
	Wide	-	-	-
	Extra wide	-	-	-

Tire size

Model			...Standard		...Option
			C1F2 20-25	C1F2 28-33	CG1F2 30 35-36
Tire	Single	Tire size(STD)	21x7x15	21x8x15	22x8x16
		Standard			22x9x16
Rear	Single	Tire size(STD)	16.25x6x11.25	16.25x6x11.25	18x6x12.13
		Standard			18x6x12.13

Unit Specification

	CP1F2-U	
ENGINE SYSTEM	Model	K21
	Classification	ECCS Gasoline/LPG
	Cycle	4
	Type	4 cylinder in-line OHV
	Displacement	2065 cm ³
	Bore x Stroke	89 x 83 mm
	Compression ratio	8.7
	Air cleaner	Cyclone type, dry element
	Governor	-
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Electronic Fuel Injection type (GAS:MPI / LPG:SPI)
	Fuel pump	Diaphragm type
	Water pump	Centrifuge type
	Radiator	Corrugated fin
	Battery	12V-60AH
	Alternator	12V-50AH
TRANSMISSION	Automatic	Torque converter type 3-element, 1-stage, 2-phase
		Transmission type Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type -
		Transmission type -
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Full floating
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber bushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	51 liters
	Hydraulic oil tank	38 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	Class II (2.0-2.5t) / Class (2.8-3.3t)
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Torque converter fluid temperature warning / Fuel gauge / Shift
		Air cleaner warning / Water temperature gauge / Hour meter /
		Speedometer / AT interlock operating / Mast interlock operating /
	Warning lamp	LPG low fuel lamp / Radator level warning
	Switch & knob	Battery charge warning lamp / Engine oil pressure warning lamp /
		PKB warning lamp / Seat belt warning lamp / Engine check warning
		Lighting switch/Starter switch

Unit Specification

	CU1F2-U	
ENGINE SYSTEM	Model	K25
	Classification	ECCS Gasoline/LPG
	Cycle	4
	Type	4 cylinder in-line OHV
	Displacement	cm ³ 2488
	Bore x Stroke	mm 89 x 100
	Compression ratio	8.7
	Air cleaner	Cyclone type, dry element
	Governor	-
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Electronic Fuel Injection type (GAS:MPI / LPG:SPI)
	Fuel pump	Diaphragm type
	Water pump	Centrifuge type
	Radiator	Corrugated fin
	Battery	12V-60AH
	Alternator	12V-50AH
	Starter motor	12V-1.2kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type 3-element, 1-stage, 2-phase
		Transmission type Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type -
		Transmission type -
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Full floating
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber bushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	51 liters
	Hydraulic oil tank	38 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	Class II (2.0-2.5t) / Class (2.8-3.3t)
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Torque converter fluid temperature warning / Fuel gauge / Shift
		Air cleaner warning / Water temperature gauge / Hour meter /
		Speedometer / AT interlock operating / Mast interlock operating /
	Warning lamp	LPG low fuel lamp / Radator level warning
	Switch & knob	Battery charge warning lamp / Engine oil pressure warning lamp /
		PKB warning lamp / Seat belt warning lamp / Engine check warning
		Lighting switch/Starter switch

Unit Specification

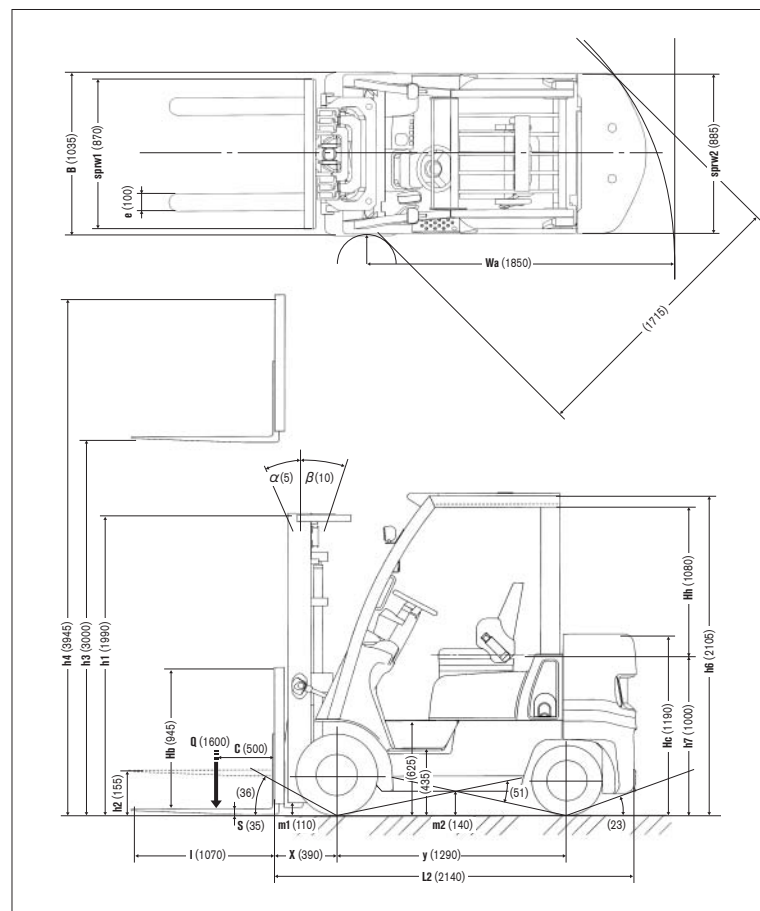
	CUG1F2-U	
ENGINE SYSTEM	Model	K25
	Classification	ECCS Gasoline/LPG
	Cycle	4
	Type	4 cylinder in-line OHV
	Displacement	cm ³ 2488
	Bore x Stroke	mm 89 x 100
	Compression ratio	8.7
	Air cleaner	Cyclone type, dry element
	Governor	-
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Electronic Fuel Injection type (GAS:MPI / LPG:SPI)
	Fuel pump	Diaphragm type
	Water pump	Centrifuge type
	Radiator	Corrugated fin
	Battery	12V-60AH
	Alternator	12V-50AH
	Starter motor	12V-1.2kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type 3-element, 1-stage, 2-phase
		Transmission type Constant mesh, Power shift, Two forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type -
		Transmission type -
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Full floating
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber bushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	60 liters
	Hydraulic oil tank	45 liters Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	Class
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Torque converter fluid temperature warning / Fuel gauge / Shift
		Air cleaner warning / Water temperature gauge / Hour meter /
		Speedometer / AT interlock operating / Mast interlock operating /
	Warning lamp	LPG low fuel lamp / Radator level warning
	Switch & knob	Battery charge warning lamp / Engine oil pressure warning lamp /
		PKB warning lamp / Seat belt warning lamp / Engine check warning
		Lighting switch/Starter switch

A1F1/A1F2

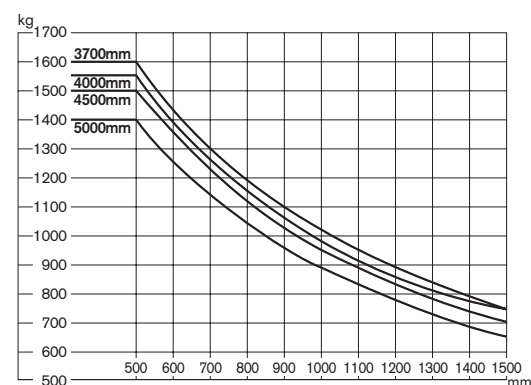
1.6
▼
2.5ton
at 500mm
Load Center

A1F1/A1F2

Dimensions



Load Capacity Chart



No capacity reduction until 3700 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

A1F1	
AP1F1A16JU/DU	
Front Tire	Single
Front Tire Size	6.00-9-12PR(I)
Overall Width	mm 1035
Front Tread	mm 870

Ground Clearance

A1F1	
AP1F1A16JU/DU	
Under mast	mm 110
Under power unit	mm 95
Under frame	mm 140

Mast Specifications & Rated Capacities

AP1F1A16JU, AP1F1A16DU

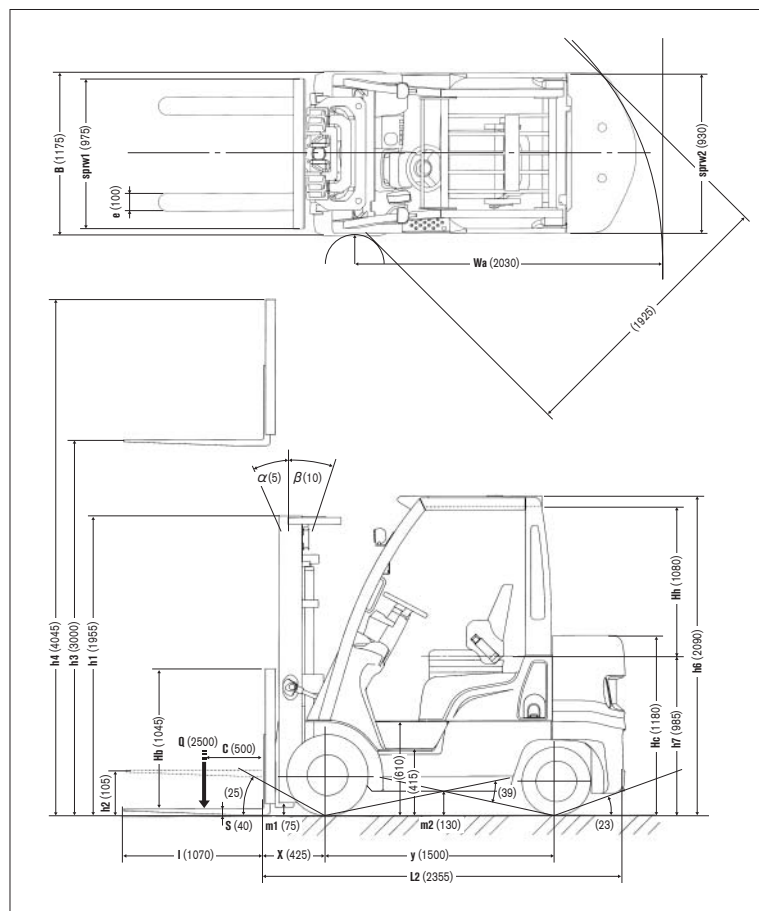
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500 mm kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (Wide View 2W)	2W270	2700	1840	3280	3645	155	155	390	5/10	1600
	2W300	3000	1990	3580	3945	155	155		5/10	1600
	2W330	3300	2140	3880	4245	155	155		5/10	1600
	2W350	3500	2275	4080	4445	155	155		5/10	1600
	2W370	3700	2400	4280	4645	155	155		5/10	1600
	2W400	4000	2590	4580	4945	155	155		5/10	1550
	2W450	4500	2840	5080	5445	155	155		5/ 5	1500
	2W500	5000	3090	5580	5945	155	155		5/ 5	1400
Two stage (Full free 2F)	2F 300	3000	1990	3580	3945	1445	1080	390	5/10	1600
	2F 330	3300	2140	3880	4245	1595	1230		5/10	1600
	2F 350	3500	2275	4080	4445	1730	1365		5/10	1600
	2F 370	3700	2400	4280	4645	1855	1490		5/10	1600
	2F 400	4000	2590	4580	4945	2045	1680		5/10	1550
Three stage (Full free 3F)	3F 385	3850	1840	4430	4795	1295	930	390	5/ 5	1550
	3F 430	4300	1990	4880	5245	1445	1080		5/ 5	1500
	3F 475	4750	2140	5330	5695	1595	1230		5/ 5	1400
	3F 515	5150	2275	5730	6100	1730	1365		5/ 5	1350
	3F 550	5500	2400	6080	6445	1855	1490		5/ 5	1200
	3F 600	6000	2590	6580	6945	2045	1680		5/ 5	1050
	3F 650	6500	2840	7080	7445	2295	1930		5/ 5	950
	3F 700	7000	3090	7580	7945	2545	2180		5/ 5	850

Main Truck Specifications

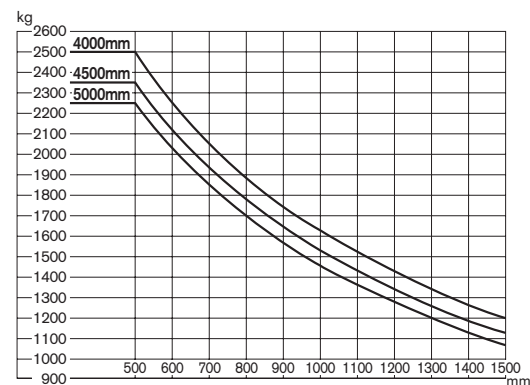
Item					AP1F1A16JU	AP1F1A16DU	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	1
	2	Model			AP1F1A16JU	AP1F1A16DU	2
	3	Load capacity	Q load lifted	kg	1600	1600	3
	4	Load center	C distance	mm	500	500	4
	5	Power unit	diesel, gasoline, LP gas		Gasoline	Gasoline/LPG	5
	6	Operator type	walkie, rider/stand, rider/seat		Rider/seat	Rider/seat	6
	7	Tire type	front/rear		PNE / PNE	PNE / PNE	7
	8	Wheels(X=driven)	number front/rear		2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 standard lift height	mm	3000	3000	9
	10	Free lift	h2 standard free lift	mm	155	155	10
	13	Fork size	s.e.l	mm	35 × 100 × 1070	35 × 100 × 1070	13
		Max. Fork Spread		mm	900	900	
		Min. Fork Spread		mm	205	205	
	14	Tilt range	α / β mast forward/backward	deg	5/10	5/10	14
	15	Overall measurement	L2 length to fork face	mm	2140	2140	15
	16		B overall width	mm	1035	1035	16
	17		h1 height mast retracted	mm	1990	1990	17
	18		h4 height mast extended	mm	3945	3945	18
	19		h6 height overhead guard	mm	2105	2105	19
	20		h7 height of driver's seat	mm	1000	1000	20
	21	Turning radius (outside)	Wa	mm	1850	1850	21
	22	Load distance	X from center of front axle	mm	390	390	22
	23	Right angle stacking aisle	Ast pallets (L × W) 1200 × 800 / 1000 × 1200	mm	3640/3440	3640/3440	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17	24
				no load	km/h	17	
	25		lifting	full load	mm/s	600	25
				no load	mm/s	630	
	26		lowering	full load	mm/s	500	26
				no load	mm/s	500	
	28	Max. drawbar pull	full load / no load		N	16400/10600	28
	29	Gradeability at 2km/h	full load / no load		$\tan \theta$ %	34/-	29
	30	Max. gradeability	full load / no load		$\tan \theta$ %	39/28	30
	32	Truck weight	no load		kg	2660	32
WEIGHTS	33	Weight distribution	full load	front/rear	kg	3715/545	33
	34		no load	front/rear	kg	1010/1650	34
	35		number.	front/rear	each	2 / 2	35
	36	Tires	size-front			6.00-9-12PR(I)	36
	37		size-rear			5.00-8-8PR(I)	37
	38	Wheelbase	y		mm	1290	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	870/885	39
		Backrest height	Hb	top of backrest ~ upper of fork face	mm	945	
		Overhead guard clearance	Hh		mm	1080	
		Counterweight height	Hc		mm	1190	
CHASSIS & WHEELS	40	Ground clearance	m1	full load minimum	mm	110	40
	41		m2	full load center of wheelbase	mm	140	41
	42	Service brake	mechanical/hydraulic/electric/pneum			hydraulic	42
	43	Parking brake	foot/hand/seat switch			hand	43
	45	Battery	voltage/capacity (5 hour)		V/AH	12/27	45
	49	Internal Combustion engine	manufacturer/type			NISSAN / K21	49
	50		maximum engine rated power		kW/rpm	41/2700	50
	51		maximum engine rated torque		Nm/rpm	151/2000	51
	52		number of cylinders/displacement		/cc	4/2065	52
	55	Transmission	type			Automatic	55
			speed forward/backward			1/1	
DRIVE LINE	57	Operating pressure	for attachment		MPa	12.7	57

A1F1/A1F2

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

A1F2	
AP1F2A25JU/DU	
Front Tire	Single
Front Tire Size	21 × 8-9-14PR(I)
Overall Width	mm 1175
Front Tread	mm 975

Ground Clearance

A1F2	
AP1F2A25JU/DU	
Under mast	mm 75
Under power unit	mm 65
Under frame	mm 130

Mast Specifications & Rated Capacities

AP1F2A25JU, AP1F2A25DU

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward deg	Single tire Load center 500 mm kg
				Without backrest mm	With STD backrest mm					
Two stage (Wide View 2W)	2W270	2700	1805	3320	3745	105	105	425	5/10	2500
	2W300	3000	1955	3620	4045	105	105		5/10	2500
	2W330	3300	2105	3920	4345	105	105		5/10	2500
	2W350	3500	2240	4120	4545	105	105		5/10	2500
	2W370	3700	2365	4320	4745	105	105		5/10	2500
	2W400	4000	2555	4620	5045	105	105		5/10	2500
	2W450	4500	2805	5120	5545	105	105		5/ 5	2350
	2W500	5000	3055	5620	6045	105	105		5/ 5	2250
Two stage (Full free 2F)	2F 300	3000	1955	3620	4045	1375	950	425	5/10	2500
	2F 330	3300	2105	3920	4345	1525	1100		5/10	2500
	2F 350	3500	2240	4120	4545	1660	1235		5/10	2500
	2F 370	3700	2365	4320	4745	1785	1360		5/10	2500
	2F 400	4000	2555	4620	5045	1975	1555		5/10	2450
Three stage (Full free 3F)	3F 385	3850	1805	4470	4895	1225	800	410	5/ 5	2500
	3F 430	4300	1955	4920	5345	1375	950		5/ 5	2400
	3F 475	4750	2105	5370	5795	1525	1100		5/ 5	2200
	3F 515	5150	2240	5775	6200	1660	1235		5/ 5	1950
	3F 550	5500	2365	6120	6545	1785	1360		5/ 5	1800
	3F 600	6000	2555	6620	7045	1975	1550		5/ 5	1550
	3F 650	6500	2805	7120	7545	2225	1800		5/ 5	1350
	3F 700	7000	3055	7620	8045	2475	2050		5/ 5	1000

Main Truck Specifications

Item					AP1F2A25JU		AP1F2A25DU		
SPECIFICATIONS	1	Manufacturer			NISSAN		NISSAN		1
	2	Model			AP1F2A25JU		AP1F2A25DU		2
	3	Load capacity	Q	load lifted	kg	2500	2500	3	
	4	Load center	C	distance	mm	500	500	4	
	5	Power unit	battery, diesel, gasoline, LP gas			Gasoline	Gasoline/LPG	5	
	6	Operator type	walkie, rider/stand, rider/seat			Rider/seat	Rider/seat	6	
	7	Tire type	front/rear			PNE / PNE	PNE / PNE	7	
	8	Wheels(X=driven)	number front/rear			2X / 2	2X / 2	8	
DIMENSIONS	9	Maximum fork height	h3	standard lift height	mm	3000	3000	9	
	10	Free lift	h2	standard free lift	mm	105	105	10	
	13	Fork size	s.e.l		mm	40 × 100 × 1070	40 × 100 × 1070	13	
		Max. Fork Spread				mm	1000	1000	
		Min. Fork Spread				mm	250	250	
	14	Tilt range	α / β	mast forward/backward	deg	5/10	5/10	14	
	15	Overall measurement	L2	length to fork face	mm	2355	2355	15	
	16		B	overall width	mm	1175	1175	16	
	17		h1	height mast retracted	mm	1955	1955	17	
	18		h4	height mast extended	mm	4045	4045	18	
	19		h6	height overhead guard	mm	2090	2090	19	
	20		h7	height of driver's seat	mm	985	985	20	
	21	Turning radius (outside)	Wa			mm	2030	2030	21
	22	Load distance	X	from center of front axle	mm	425	425	22	
	23	Right angle stacking aisle	Ast pallets (L × W) 1200 × 800 / 1000 × 1200			mm	3855/3655	3855/3655	23
PERFORMANCE	24	Speeds	travelling	full load	km/h	17	17	24	
	no load			km/h	17	17			
	lifting		full load	mm/s	620	620	25		
			no load	mm/s	650	650			
	lowering		full load	mm/s	500	500	26		
			no load	mm/s	500	500			
	28	Max. drawbar pull	full load / no load			N	16700/9700	16700/9700	28
29	Gradeability at 2km/h	full load / no load			tan θ %	22/-	22/-	29	
30	Max. gradeability	full load / no load			tan θ %	27/21	27/21	30	
WEIGHTS	32	Truck weight	no load		kg	3525	3525	32	
	33	Weight distribution	full load	front/rear	kg	5370/655	5370/655	33	
	34		no load	front/rear	kg	1330/2195	1330/2195	34	
CHASSIS & WHEELS	35	Tires	number.	front/rear	each	2/2	2/2	35	
	36		size-front			21X8-9-14PR(I)	21X8-9-14PR(I)	36	
	37		size-rear			18X7-8-14PR(I)	18X7-8-14PR(I)	37	
	38	Wheelbase	y			mm	1500	1500	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	975/930	975/930	39	
		Backrest height	Hb	top of backrest ~ upper of fork face	mm	1045	1045		
		Overhead guard clearance	Hh			mm	1080	1080	
		Counterweight height	Hc			mm	1180	1180	
	40	Ground clearance	m1	full load minimum	mm	75	75	40	
	41		m2	full load center of wheelbase	mm	130	130	41	
	42	Service brake	mechanical/hydraulic/electric/pneum				hydraulic	hydraulic	42
	43	Parking brake	foot/hand/seat switch				hand	hand	43
	DRIVE LINE	45	Battery	voltage/capacity (5 hour)		V/AH	12/27	12/27	45
49		Internal Combustion engine	manufacturer/type			NISSAN / K21	NISSAN / K21	49	
50			maximum engine rated power		kW/rpm	41/2700	41/2700	50	
51			maximum engine rated torque		Nm/rpm	151/2000	151/2000	51	
52			number of cylinders/displacement		/cc	4/2065	4/2065	52	
55		Transmission	type			Automatic	Automatic	55	
			speed	forward/backward		1 / 1	1 / 1		
57	Operating pressure	for attachment			MPa	12.7	12.7	57	

A1F1/A1F2

Loading Capacity

AP1F1A16JU, AP1F1A16DU

Unit: kg

Load Center Mast Name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single Tire	2W270	1600	1440	1305	1195	1105	1025	955	895	845	795	755
	2W300	1600	1440	1305	1195	1105	1025	955	895	845	795	755
	2W330	1600	1440	1305	1195	1105	1025	955	895	845	795	755
	2W350	1600	1440	1305	1195	1105	1025	955	895	845	795	755
	2W370	1600	1440	1305	1195	1105	1025	955	895	845	795	755
	2W400	1550	1395	1265	1160	1070	990	925	870	815	770	730
	2W450	1500	1350	1225	1120	1035	960	895	840	790	745	705
	2W500	1400	1260	1145	1045	965	895	835	785	735	695	660
	2F300	1600	1440	1305	1195	1105	1025	955	895	840	795	750
	2F330	1600	1440	1305	1195	1105	1025	955	895	840	795	750
	2F350	1600	1440	1305	1195	1105	1025	955	895	840	795	750
	2F370	1600	1440	1305	1195	1105	1025	955	895	840	795	750
	2F400	1550	1395	1265	1160	1070	990	925	865	815	770	730
	3F385	1550	1395	1265	1160	1070	995	925	870	820	770	730
	3F430	1500	1350	1225	1125	1035	960	895	840	790	745	710
	3F475	1400	1260	1145	1050	965	900	840	785	740	700	660
	3F515	1350	1215	1105	1010	935	865	810	755	710	675	635
	3F550	1200	1080	980	900	830	770	720	675	635	600	565
	3F600	1050	945	860	785	725	675	630	590	555	525	495
	3F650	950	855	775	710	655	610	570	535	500	475	450
	3F700	850	765	695	635	585	545	510	475	450	425	400

AP1F2A25JU, AP1F2A25DU

Unit: kg

Load Center Mast Name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single Tire	2W270	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W300	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W330	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W350	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W370	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W400	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2W450	2350	2120	1930	1775	1640	1525	1425	1335	1260	1190	1130
	2W500	2250	2030	1850	1700	1570	1460	1365	1280	1205	1140	1080
	2F300	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2F330	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2F350	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2F370	2500	2255	2055	1885	1745	1620	1515	1420	1340	1265	1200
	2F400	2450	2210	2015	1850	1710	1590	1485	1395	1310	1240	1175
	3F385	2500	2250	2050	1880	1735	1615	1505	1410	1330	1255	1190
	3F430	2400	2160	1965	1805	1665	1550	1445	1355	1275	1205	1145
	3F475	2200	1980	1805	1655	1525	1420	1325	1245	1170	1105	1045
	3F515	1950	1755	1600	1465	1355	1260	1175	1100	1035	980	930
	3F550	1800	1620	1475	1355	1250	1160	1085	1015	955	905	855
	3F600	1550	1395	1270	1165	1075	1000	935	875	825	780	740
	3F650	1350	1215	1105	1015	935	870	815	760	720	680	645
	3F700	1000	900	820	750	695	645	600	565	530	500	475

A1F1/A1F2

Truck Weight

Unit: kg			
Mast Type	Mast Name	AP1F1	AP1F2
		A16JU/DU	A25JU/DU
		Single	Single
Two Stage (Wide View 2W)	2W270	2645	3505
	2W300	2660	3525
	2W330	2680	3545
	2W350	2700	3565
	2W370	2735	3605
	2W400	2755	3635
	2W450	2790	3670
	2W500	2820	3710
Two Stage (Full Free 2F)	2F300	2665	3505
	2F330	2685	3525
	2F350	2705	3545
	2F370	2735	3580
	2F400	2765	3610
Three Stage (Full Free 3F)	3F385	2805	3650
	3F430	2835	3680
	3F475	2860	3715
	3F515	2915	3770
	3F550	2940	3800
	3F600	2975	3840
	3F650	3020	3890
	3F700	3060	3935
Truck Weight without Mast		2150	2875

A1F1/A1F2

Additional Truck Weight

■ FORKS

Unit:kg

Model (Capacity code)		A1F1
		AP1F1A16JU/DU
Fork Length mm	Without Forks	-80
	920	-10
	1000	-5
	1070	±0
	1150	+0
	1220	+5
	1370	+15
	1520	+40

Unit:kg

Model (Capacity code)		A1F2
		AP1F2A25JU/DU
Fork Length mm	Without Forks	-110
	920	-15
	1000	-10
	1070	±0
	1150	+5
	1220	+20
	1370	+20
	1520	+60

■ CARRIAGE & BACKREST

Unit:kg

CARRIAGE	BACKREST	A1F1
		AP1F1A16JU/DU
Standard	Standard	±0
	High	+10
	Without backrest	-20
Wide	High	+40

Unit:kg

CARRIAGE	BACKREST	A1F2
		AP1F2A25JU/DU
Standard	Standard	0
	High	+ 5
	Less	-25
Wide	High	+35
Extra Wide	High	+55

■ LPG SYSTEM

Unit:kg

		Type	A1F1
			AP1F1A16JU/DU
Without Tank & Bracket & Hose		LPGC	+5
Swing-open	Tank+Bracket+Hose	LPGF	+40
	Bracket + Hose	LPGG	+20
	Bracket Only	LPGH	+20

Unit:kg

		Type	A1F2
			AP1F2A25JU/DU
Without Tank & Bracket & Hose		LPGC	+ 5
Swing-back	Tank + Bracket + Hose	LPGA	+35
	Bracket + Hose	LPGB	+15
	Bracket Only	LPGE	+15
Swing-open	Tank + Bracket + Hose	LPGF	+40
	Bracket + Hose	LPGG	+20
	Bracket Only	LPGH	+20
Swing-down	Tank + Bracket + Hose	LPGP	+45
	Bracket + Hose	LPGQ	+25
	Bracket Only	LPGR	+25

■ TIRE WEIGHT

Unit: kg

A1F1 Model (Capacity code)			16
Front	Single	J-lug (Textile)	0
		Solid	+35
		Solid (White/Green)	+35
		Air Boss	+30
Rear	Single	J-lug	0
		Solid	+20
		Solid (White/Green)	+25
		Air Boss	+20

Unit: kg

A1F2 Model (Capacity code)			25
Front	Single	J-lug	0
		Solid	+45
		Solid (White/Green)	+50
Rear	Single	J-lug	0
		Solid	+25
		Solid (White/Green)	+30

■ CABIN

Unit: kg

Model (Capacity code)	A1F1	A1F2
	16	25
Windshield	+20	+20
Canvas cabin	+20	+20
Heater	+10	+10

■ SMOOTH-RUN SYSTEM

Unit: kg

Model (Capacity code)	A1F2
	25
With Smooth-run System	+10
Without Smooth-run System	0

A1F1/A1F2

Option Availability

			●...Standard ○...Option			
			A1F1		A1F2	
			AP1F1A16JU/DU		AP1F2A25JU/DU	
			ECCS Gasoline	ECCS Dual	ECCS Gasoline	ECCS Dual
Truck management	VCM		●	●	●	●
Powertrain	Powertrain floating		-	-	-	-
Engine	ECCS		●	●	●	●
	Carburetor type		-	-	-	-
	Speed Selector		○	○	○	○
	Power / Eco Selector		●	●	●	●
Radiator	Corrugated fin type radiator		●	●	●	●
	Radiator screen		○	○	○	○
	Oil cooler (Radiator built-in type) (AT model)		●	●	●	●
	30% density LLC (Non-amine)		●	●	●	●
	50% density LLC (Non-amine)		○	○	○	○
Muffler	Standard muffler		-	-	-	-
	3-way catalytic muffler		●	●	●	●
	Diesel Particulate Filter (DPF)		-	-	-	-
	Overhead exhaust muffler		-	-	-	-
	Anti-fire spark muffler (Cyclone)		-	-	-	-
Air cleaner	Super air intake system		●	●	●	●
	Cyclone air cleaner		●	●	●	●
	Donaldson-type air cleaner		-	-	-	-
LPG system (Dual fuel)*	Tank + Bracket + Hose		-	○	-	○
Swing-back	Bracket + Hose		-	●	-	●
Swing-open	Bracket only		-	○	-	○
Swing-down	Without Tank + Bracket + Hose		-	○	-	○
Instruments	Multifunctional LCD Meter	Multipurpose warning	●	●	●	●
		Glow plug indicator	-	-	-	-
		Check engine warning	●	●	●	●
		Oil pressure warning	●	●	●	●
		Charge warning	●	●	●	●
		Brake warning	●	●	●	●
		Seatbelt warning	●	●	●	●
		Directional indicator	●	●	●	●
		Fuel & water temperature gauges	●	●	●	●
		Hour meter	●	●	●	●
		Clock/calendar	●	●	●	●
		Speedometer	●	●	●	●
		Torque converter oil temp. warning	●	●	●	●
		Water separator warning	-	-	-	-
		Mast lock warning	●	●	●	●
		A/T power cut-off warning	●	●	●	●
		LPG fuel warning	-	●	-	●
		Air cleaner clogging warning	○	○	○	○
		Water level warning	○	○	○	○
		PIN Access	●	●	●	●
		Self-diagnosis System	●	●	●	●
		Service Reminder System	●	●	●	●
Warning buzzer	Back-up buzzer		●	●	●	●
	Parking brake warning buzzer		●	●	●	●

*Swing-open type is standard. As for A1F1, only swing-open type is available.

A1F1/A1F2

Option Availability

●...Standard ○...Option

		A1F1		A1F2	
		AP1F1A16JU/DU		AP1F2A25JU/DU	
		ECCS Gasoline	ECCS Dual	ECCS Gasoline	ECCS Dual
Light	Head lights (Without guard)	●	●	●	●
	Head lights (With guard)	○	○	○	○
	Rear combination lamps	○	○	○	○
	Rear working lamps	○	○	○	○
	Turning signal lamps	○	○	○	○
	Rotating light (Yellow)	○	○	○	○
Brake	Toggle joint type parking brake with warning buzzer	●	●	●	●
Tires	J-lug tires (Textile)	●	●	●	●
	Solid tire	○	○	○	○
	Solid tires (Green/white)	○	○	○	○
	Snow tires	○	○	○	○
	Double tires	-	-	-	-
	AirBoss tires*	○	○	-	-
	Built-in bolt type disc wheels	●	●	●	●
	Spare tires (1 for front and 1 for rear)	○	○	○	○
Body	Rain guard (Vinyl type)	○	○	○	○
	Rain guard (Resin type)	-	-	○	○
	Sub guard	○	○	○	○
	Canvas cabin	○	-	○	-
	Windshield	○	○	○	○
	Steel cabin	-	-	-	-
	Damper stay for top panel opening	●	●	●	●
	Top panel lock	●	●	●	●
	Rearview mirrors (Both sides)	○	○	○	○
	Heater	○	○	○	○
Seat	Restraint seat with suspension	●	●	●	●
	Without seat	○	○	○	○
Mast	2W mast	●	●	●	●
	2F mast	○	○	○	○
	3F mast	○	○	○	○
	Without mast	○	○	○	○
	Tilt cylinder cover	○	○	○	○
	Tilt cylinder boot	○	○	○	○
	Mast tilt gauge	○	○	○	○
	Tilt Leveling System	○	○	○	○
Carriage & Backrest	Standard carriage	●	●	●	●
	Wide carriage	○	○	○	○
	Extra wide carriage for tire chain	-	-	-	-
	Standard backrest	●	●	●	●
	High backrest (ANSI)	○	○	○	○
	Wide & high backrest (ANSI)	○	○	○	○
	Extra wide & backrest (ANSI)	-	-	-	-
	Without backrest	○	○	○	○
Fork	Long fork**	○	○	○	○
	Extension fork	○	○	○	○
	Without fork	○	○	○	○
Steering system	Small-diameter steering with tilt adjustment	●	●	●	●
	Steering synchronizer	○	○	○	○

*AirBoss tire is registered by AirBoss® of Australia.

**Refer to Fork Availability.

A1F1/A1F2

Option Availability

●...Standard ○...Option

		A1F1		A1F2	
		AP1F1A16JU/DU		AP1F2A25JU/DU	
		ECCS Gasoline	ECCS Dual	ECCS Gasoline	ECCS Dual
Hydraulic control	2 spool valve	●	●	●	●
	3 spool valve	○	○	○	○
	4 spool valve	○	○	○	○
	5 spool valve	–	–	–	–
	Electric control 2 spool valve	–	–	–	–
	Electric control 3 spool valve	–	–	–	–
	Electric control 4 spool valve	–	–	–	–
	Single control lever	○	○	○	○
	Double control lever	●	●	●	●
	FINGERTIP control (Single type)*	–	–	–	–
	FINGERTIP control (Double type)*	–	–	–	–
	3 spool piping to carriage	○	○	○	○
	4 spool piping to carriage	○	○	○	○
	Quick release type piping connector	○	○	○	○
	Smooth-run System	–	–	○	○
Tool kit	Tool kit	○	○	○	○
	Tool kit with jack	○	○	○	○
	Special color	○	○	○	○
	Rust proof specification	○	○	○	○
	Dustproof specification	–	–	○	○
	Low noise specification	○	○	○	○
	Cold area specification	○	○	○	○
	Tropical area specification	–	–	○	○
Label	English	●	●	●	●
	German	○	○	○	○
	French	○	○	○	○
	Spanish	○	○	○	○
Attachment	Side shift	○	○	○	○
	Hinged fork (Single)	–	–	–	–
	Load stabilizer (Standard/short)	–	–	–	–
	Rotating fork	–	–	–	–
	Shaft type fork positioner (Individual/simultaneous)	–	–	–	–
	Input bucket (Pointed/flat)	–	–	–	–
	Roll clamp	–	–	–	–

*Available for only 1F Series (Pneumatic tire models) 2.0 to 2.5 ton models.

Fork Availability

●...Standard ○...Option		
Model		A1F1
Length (mm)		16
Fork	Without Fork	○
	850	○
	920	○
	1000	○
	1070	●
	1150	○
	1220	○
	1370	○
	1520	○

●...Standard ○...Option		
Model		A1F2
Length (mm)		25
Fork	Without Fork	○
	920	○
	1000	○
	1070	●
	1150	○
	1220	○
	1370	○
	1520	○

Fork Dimensions

	Width (W) x Thickness (T)
	A1F1
	AP1F1A16JU/DU
All Length	100 x 35

	Width (W) x Thickness (T)
	A1F2
	AP1F2A25JU/DU
All Length	100 x 40

Carriage & Backrest Dimensions

■ CARRIAGE (NISSAN MAST)

Model		A1F1
		AP1F1A16JU/DU
Class		II
Number of Rollers (Not including side rollers)		4
Carriage Width (W)	Standard	920
	Wide	1335
	Extra Wide	-
Max. Fork Spread	Standard	900
	Wide	1315
	Extra Wide	-

■ CARRIAGE (NISSAN MAST)

Model		A1F2
		AP1F2A25JU/DU
Class		II
Number of Rollers (Not including side rollers)		6
Carriage Width (W)	Standard	1020
	Wide	1335
	Extra Wide	-
Max. Fork Spread	Standard	1005
	Wide	1320
	Extra Wide	-

■ BACKREST

Model		A1F1
		AP1F1A16JU/DU
Backrest Height (H) mm (in)	Standard	910
	High Backrest	1220
	Wide Backrest	1220
	Extra Wide Backrest	-
Backrest Width of (L) mm (in)	Standard & High Backrest	945
	Wide & High Backrest	1360
	Extra Wide & High Backrest	-
Plate Thickness (T)		12

■ BACKREST

Model		A1F2
		AP1F2A25JU/DU
Backrest Height (H) mm (in)	Standard	1005
	High Backrest	1215
	Wide Backrest	1215
	Extra Wide Backrest	-
Backrest Width of (L) mm (in)	Standard & High Backrest	1045
	Wide & High Backrest	1360
	Extra Wide & High Backrest	-
Plate Thickness (T)		12

A1F1/A1F2

Tire Size

				●...Standard ○...Option	
Tire			Model	A1F1	
Front	Single			16	
		Tire Size (STD)		6.00-9-12PR	
		Rim Size (STD)		4.00E x 9TB	
		Type	J-lug (Textile)	●	
			Snow Tire	○	
			Solid Tire	6.00-9 ○	
			AirBoss Tire	6.00-9 ○	
Rear	Single	Tire Size (STD)		5.00-8-8PR	
		Rim Size (STD)		3.00D x 8DT	
		Type	J-lug (Textile)	●	
			Snow Tire	○	
			Solid Tire	5.00-8 ○	
			AirBoss Tire	5.00-8 ○	

				●...Standard ○...Option	
Tire			Model	A1F2	
Front	Single			25	
		Tire Size (STD)		21 x 8-9-14PR	
		Rim Size (STD)		6.00E x 9TB	
		Type	J-lug (Textile)	●	
			Snow Tire	○	
			Solid Tire	21 x 8-9 ○	
Rear	Single	Tire Size (STD)		18 x 7-8-14PR	
		Rim Size (STD)		4.33R x 8TB	
		Type	J-lug (Textile)	●	
			Snow Tire	○	
			Solid Tire	18 x 7-8 ○	

Tool Options

				●...Standard ○...Option	
				A1F1	A1F2
				16	25
Tool kit	Wrench	8 x 10		○	
		12 x 14		○	
		14 x 17		○	
	Screwdrivers			○	
	Wheel nut wrench			○	
	Tool Bag			○	
Jack					○*

*Jack is available by separate request.

A1F1/A1F2

Unit Specification

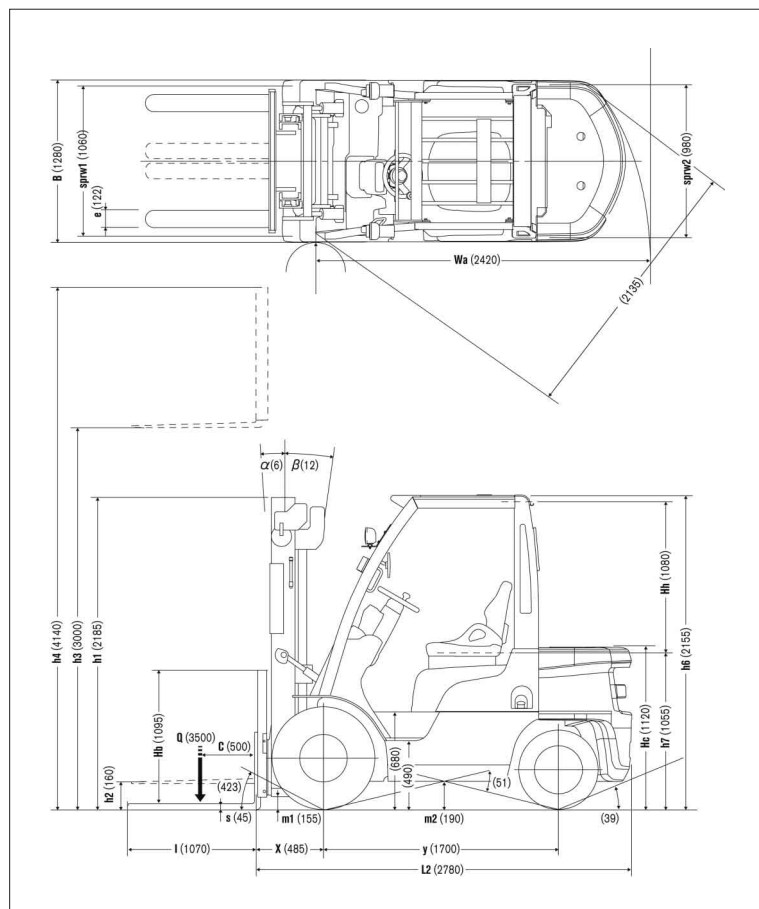
			AP1F1/AP1F2	
ENGINE SYSTEM	Model		K21	
	Classification		ECCS Gasoline	ECCS Dual
	Cycle		4	
	Type		4 cylinder in-line OHV	
	Displacement	cm ³	2065	
	Bore x Stroke	mm	89 x 83	
	Compression ratio		8.7	
	Air cleaner		Cyclone type, dry element	
	Governor		-	
	Oil filter		Cartridge type	
	Oil pump		Gear type	
	Injection pump		Electronic Fuel Injection type (GAS:MPI / LPG:SPI)	
	Fuel pump		Diaphragm type	
	Water pump		Centrifuge type	
	Radiator		Corrugated fin type	
	Battery		12V-27AH	
	Alternator		12V-35AH	
	Starter motor		12V-1.2kW (Reduction type)	
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase	
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed. With neutral switch. Wet multi-disc hydraulic clutch.	
STEERING SYSTEM	Type		Fully hydrostatic power steering	
	Steering unit		ORBITROL	
	Power cylinder		Mounted on steering axle	
	Steering wheel		Tilting type	
DRIVE AXLE	Type		Full floating	
	Final gear		Hypoid gear	
STEERING AXLE	Type		Center pin system	
	Suspension system		Rubber bushing mounted	
BRAKE SYSTEM	Service brake		Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels	
	Parking brake		Dead point rock type, Mechanically operates on drive wheels	
FRAME & BODY	Frame structure		Integral, All welded frame	
	Overhead guard		Strength conforms to ISO, ANSI standards	
	Fuel tank		50 liters	-
	Hydraulic oil tank		38 liters upper limited on gauge	
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type, used for hoisting and power steering	
	Control valve		Sectional type with tilt lock valve	
	Lift cylinder MC/FTC		Without flow regulator valve / With flow regulator valve	
	Oil filter		150 mesh suction filter, 20 micron on the return circuit	
LOADING SYSTEM	Mast		All roller mast, grease sealed roller bearing	
	Carriage		Class II	
	Forks		Forged alloy steel, hook type, conforms to ITA standards	
INSTRUMENTS	Gauge & meter (LCD)		Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / LPG fuel warning /	
	Warning lamp (LED)		Multipurpose warning / Check engine warning / Oil pressure warning / Charge warning / Brake warning / Seatbelt warning	
	Switch & knob		Lighting switch / Starter switch	

1F Series

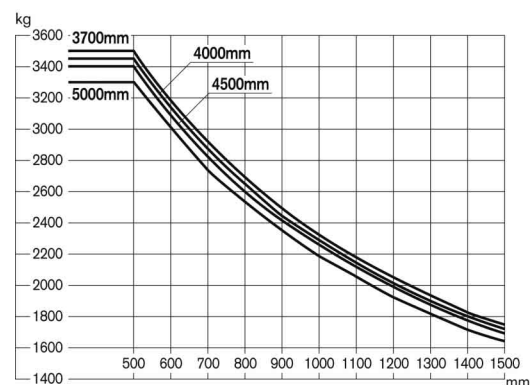
1F2

**3.5 ton
at 500mm
Load Center**

Dimensions



Load Capacity Chart



No capacity reduction until 3700 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	Double
Front Tire Size	250-15-16PR ()	28X9-15-12PR ()
Overall Width mm	1280	1720
Front Tread mm	1060	1230

Ground Clearance

Under mast	mm	155
Under power unit	mm	170
Under frame	mm	190

Mast Specifications & Rated Capacities

UG1F2A35DU, YG1F2A35U

Mast type	Mast name	Max. fork Height mm	Overall height		Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity	
			Fully lowered mm	Fully extended Without backrest mm	Fully extended With STD backrest mm	Without backrest mm	With STD backrest mm		Single tire Load center 500mm kg	Double tire Load center 500mm kg
Two stage (Wide view 2W)	2W300	3000	2185	3740	4140	160	160	485	6/12	3500
	2W330	3300	2320	4040	4440				6/12	3500
	2W350	3500	2445	4240	4640				6/12	3500
	2W370	3700	2635	4440	4840				6/12	3500
	2W400	4000	2885	4740	5140				6/12	3450
	2W450	4500	3135	5240	5640				6/6	3400
	2W500	5000	3385	5740	6140				6/6	3300
Two stage (Full free 2F)	2F300	3000	2185	3790	4140	1440	1090	495	6/12	3500
	2F330	3300	2320	4090	4440	1575	1225		6/12	3500
	2F350	3500	2445	4290	4640	1700	1350		6/12	3500
	2F370	3700	2635	4490	4840	1890	1540		6/12	3500
	2F400	4000	2885	4790	5140	2140	1790		6/12	3450
	2F450	4500	3135	5240	5640	2440	2090		6/6	3400
Three stage (Full free 3F)	3F385	3850	2035	4670	4990	1260	940	495	6/6	3500
	3F430	4300	2185	5120	5440	1410	1090		6/6	3450
	3F475	4750	2320	5570	5890	1545	1225		6/6	3400
	3F515	5150	2445	5975	6295	1670	1350		6/6	3200
	3F550	5500	2635	6320	6640	1860	1540		6/6	2700
	3F600	6000	2885	6820	7140	2110	1790		6/6	2000
	*3F650	6500	3135	7320	7640	2360	2040		6/6	**-
	*3F700	7000	3385	7820	8140	2610	2290		6/6	**-

* Load capacity for 3F515 (double tires): 3250kg for gasoline/LPG models, 3300kg for diesel models.

** Double tire only.

Main Truck Specifications

Item					UG1F2A35DU		YG1F2A35U		
SPECIFICATIONS	1	Manufacturer				Nissan	Nissan	1	
	2	Model				UG1F2A35DU	YG1F2A35U	2	
	3	Load capacity	Q	Load lifted	kg	3500	3500	3	
	4	Load center	C	Distance	mm	500	500	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas			Gasoline·LPG	Diesel	5	
	6	Operator type	Walkie, rider/stand, rider/seat			Rider / seat	Rider / seat	6	
	7	Tire type	front / rear			Pneumatic	Pneumatic	7	
	8	Wheels (x=driven)	Number front / rear			2x / 2	2x / 2	8	
DIMENSIONS	9	Maximum fork height	h3	Standard lift height	mm	3000	3000	9	
	10	Free lift	h2	Standard free lift	mm	160	160	10	
	13	Fork size	s.e.l		mm	45x122x1070	45x122x1070	13	
		Max. Fork Spread			mm	980	980		
		Min. Fork Spread			mm	275	275		
	14	Tilt range	α/β	Mast forward/backward	deg	6/12	6/12	14	
	15	Overall measurement	L2	Length to fork face	mm	2780	2780	15	
	16		B	Overall width	mm	1280	1280	16	
	17		h1	Height mast fully lowered	mm	2185	2185	17	
	18		h4	Height mast fully extended	mm	4140	4140	18	
	19		h6	Height overhead guard	mm	2155	2155	19	
	20		h7	Height of driver's seat	mm	1055	1055	20	
	21	Turning radius (outside)	Wa			mm	2420	2420	21
22	Load distance	X	From center of front axle	mm	485	485	22		
23	Right angle stacking aisle	Ast pallets (L × W) 1200×800/1000×1200			mm	4305 / 4105	4305 / 4105	23	
PERFORMANCE	24	Speeds	Traveling	full load	km / h	19.0	19.0	24	
	no load			km / h	19.0	19.0			
	Lifting		full load	mm / s	450	440	25		
			no load	mm / s	470	480			
	Lowering		full load	mm / s	420	420	26		
			no load	mm / s	360	360			
	28	Max. drawbar pull	full load / no load 5min.			N	17300 / 11800	21700 / 11800	28
	29	Gradeability at 2km/h	full load / no load			tanθ(%)	19 / -	26 / -	29
30	Max. gradeability	full load / no load			tanθ(%)	22 / 22	28 / 23	30	
WEIGHTS	32	Truck weight	no load		kg	4605	4730	32	
	33	Weight distribution	full load front / rear		kg	7140 / 965	7190 / 1040	33	
	34		no load front / rear		kg	1615 / 2990	1665 / 3065	34	
CHASSIS & WHEELS	35	Tires	Number. front / rear		each	2 / 2	2 / 2	35	
	36		Size-front			250-15-16PR(I)	250-15-16PR(I)	36	
	37		Size-rear			6.50-10-12PR(I)	6.50-10-12PR(I)	37	
	38	Wheelbase	y			mm	1700	1700	38
	39	Tread	sprw 1/sprw 2	front / rear		mm	1060 / 980	1060 / 980	39
		Backrest height	Hb	top of backrest - upper of fork face		mm	1095	1095	
		Overhead guard clearance	Hh			mm	1080	1080	
		Counter weight height	Hc			mm	1120	1120	
	40	Ground clearance	m1	Full load minimum	mast	mm	155	155	40
	41		m2	Full load center of wheelbase		mm	190	190	41
	42	Service brake	Mechanical / hydraulic / electric / pneu				Hydraulic	Hydraulic	42
	43	Parking brake	Foot / hand / seat switch				Hand	Hand	43
	DRIVE LINE	45	Battery	Voltage / Capacity (5 hour)		V / AH	12 / 27	12 / 64	45
		49	Internal Combustion engine	manufacturer / type			Nissan / K25 (ECCS)	Nissan / QD32	49
50		maximum engine rated power		KW	46.9	38	50		
51		rated rpm		rpm	2700	2000	51		
52		Number of cylinders / Displacement		/ cc	4 / 2488	4 / 3153	52		
55		Transmission	type			Automatic	Automatic	55	
			speed			1 / 1	1 / 1		
	57	Operating pressure	for attachme (Side shift)		MPa	12.7	12.7	57	

Loading Capacity

UG1F2A35DU, YG1F2A35U

Unit: kg

Load Center Mast Name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single Tire	2W300	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W330	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W350	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W370	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W400	3450	3130	2865	2645	2450	2285	2140	2015	1900	1800	1710
	2W450	3400	3085	2825	2605	2415	2255	2110	1985	1875	1775	1685
	2W500	3300	2995	2740	2530	2345	2185	2050	1925	1820	1720	1635
	2F300	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F330	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F350	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F370	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F400	3450	3135	2870	2650	2460	2295	2150	2025	1910	1810	1720
	3F 385	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	3F 430	3450	3135	2870	2650	2460	2295	2150	2025	1910	1810	1720
	3F 475	3400	3090	2830	2610	2425	2260	2120	1995	1885	1785	1695
	3F 515	3200	2905	2665	2460	2280	2130	1995	1875	1775	1680	1595
	3F 550	2700	2455	2245	2075	1925	1795	1685	1585	1495	1415	1345
	3F 600	2000	1815	1665	1535	1425	1330	1245	1175	1110	1050	995
Double Tire	2W300	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W330	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W350	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W370	3500	3175	2910	2680	2485	2320	2175	2045	1930	1825	1735
	2W400	3450	3130	2865	2645	2450	2285	2140	2015	1900	1800	1710
	2W450	3400	3085	2825	2605	2415	2255	2110	1985	1875	1775	1685
	2W500	3300	2995	2740	2530	2345	2185	2050	1925	1820	1720	1635
	2F300	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F330	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F350	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F370	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	2F400	3450	3135	2870	2650	2460	2295	2150	2025	1910	1810	1720
	3F385	3500	3180	2915	2690	2495	2330	2180	2055	1940	1835	1745
	3F430	3450	3135	2870	2650	2460	2295	2150	2025	1910	1810	1720
	3F475	3400	3090	2830	2610	2425	2260	2120	1995	1885	1785	1695
	3F515	3250	2950	2705	2495	2315	2160	2025	1905	1800	1705	1620
	3F550	3200	2905	2665	2460	2280	2130	1995	1875	1775	1680	1595
	3F600	3100	2815	2580	2380	2210	2060	1935	1820	1715	1625	1545
	3F650	2500	2270	2080	1920	1780	1665	1560	1465	1385	1310	1245
	3F700	2200	2000	1830	1690	1570	1465	1370	1290	1220	1155	1095

Truck Weight

Unit: <kg>

Mast Type	Mast Name	UGL02	YGL02
		35	35
Two stage (Wide view 2W)	2W300	4605	4730
	2W330	4630	4750
	2W350	4660	4780
	2W370	4695	4815
	2W400	4740	4860
	2W450	4785	4905
	2W500	4830	4950
Two stage (Full free 2F)	2F300	4635	4755
	2F330	4660	4780
	2F350	4705	4825
	2F370	4740	4860
	2F400	4785	4905
Three stage (Full free 3F)	3F385	4830	4950
	3F430	4865	4990
	3F475	4900	5020
	3F515	4965	5085
	3F550	5010	5135
	3F600	5075	5195
	3F650	<5265>	<5390>
	3F700	<5325>	<5445>
Truck weight without mast		3830	3950

Add 125 kg for double tire models.

Figures in <> are for double tire models.

Additional Truck Weight

■ TIRE WEIGHT

Unit:kg

Model (Capacity code)			35
Front	Single	J-lug (Textile)	±0
		Solid	+75
		Solid (White/Green)	+90
		AirBoss	-
	Double	J-lug (Textile)	±0
		Solid	+135
		Solid (White/Green)	+135
		AirBoss	-
Rear	Single	J-lug (Textile)	±0
		Solid	+40
		Solid (White/Green)	+45
		AirBoss	-

■ LPG SYSTEM

Unit:kg

		Type	35
Without Tank & Bracket & Hose		LPGC	+5
Swing-back	Tank + Bracket + Hose	LPGA	+35
	Bracket + Hose	LPGB	+15
	Bracket only	LPGE	+15
Swing-open	Tank + Bracket + Hose	LPGF	+40
	Bracket + hose	LPGG	+20
	Bracket only	LPGH	+20
Swing-down	Tank + Bracket + Hose	LPGP	+45
	Bracket + Hose	LPGQ	+25
	Bracket Only	LPGR	+25

■ FORKS

Unit:kg

Model (Capacity code)		35
Fork Length mm	Without Forks	-140
	920	-
	1000	-
	1070	±0
	1150	+5
	1220	+15
	1370	+20
	1520	+40
	1620	+40

■ CABIN

Unit:kg

Model (Capacity code)		35
Windshield		+20
Canvas Cabin		+20
Steel Cabin		+150
Air conditioner		+180
Heater & Air conditioner		+190
Heater		+10
Sub guard		+15

■ CARRIAGE & BACKREST

Unit:kg

CARRIAGE	BACKREST	35
Standard	Standard	±0
	High	-
	Without Backrest	-
Wide	High *	+55
Extra Wide	High	+70**

* Except ANGLE & WIDE HIGH BACKREST

** 2W MAST only

■ SMOOTH-RUN SYSTEM

Unit:kg

Model (Capacity code)		35
With Smooth-run System		+10
Without Smooth-run System		0

Option Availability

			●...Standard	○...Option
		UG1F2 35 Gasoline ECCS Dual	YG1F2 35 Diesel	
Truck management	VCM	●	●	
Powertrain	Power train floating	●	●	
Engine	ECCS	●	-	
	Carburetor type	-	-	
	Speed Selector	○	-	
	POWER / ECO Selector	●	-	
Radiator	Corrugated fin type radiator	●	●	
	Radiator screen	○	○	
	Oil cooler (Radiator built-in type) (AT model)	●	●	
	30% density LLC (Non-amine)	●	●	
	50% density LLC (Non-amine)	○	○	
Muffler	Standard muffler	-	●	
	3-way catalytic muffler	●	-	
	Diesel Particulate Filter (DPF)	-	○	
	Overhead exhaust muffler	○	○	
	Anti-fire spark muffler (Cyclone)	-	○	
Air cleaner	Super air intake system	●	●	
	Cyclone air cleaner	●	●	
	Donaldson-type air cleaner	○	○	
LPG system (Dual fuel)*	Tank + Bracket + Hose	○	-	
Swing-back	Bracket + Hose	○	-	
Swing-open	Bracket only	○	-	
Swing-down	Without Tank + Bracket + Hose	○	-	
Instruments	Multifunctional LCD Meter	Multipurpose warning	●	●
		Glow plug indicator	-	●
		Check engine warning	●	-
		Oil pressure warning	●	●
		Charge warning	●	●
		Brake warning	●	●
		Seatbelt warning	●	●
		Directional indicator	●	●
		Fuel & water temperature gauges	●	●
		Hour meter	●	●
		Clock/calendar	●	●
		Speedometer	●	●
		Torque converter oil temp. warning	●	●
		Water separator warning	-	●
		Mast lock warning	●	●
		A/T power cut-off warning	●	●
		LPG fuel warning	●	-
		Air cleaner clogging warning	○	○
		Radiator water level warning	○	○
		PIN Access	●	●
		Self-diagnosis System	●	●
		Service Reminder System	●	●
Warning buzzer	Back-up buzzer	●	●	
	Parking brake warning buzzer	●	●	

*Swing-back type is standard.

Option Availability

		●...Standard ○...Option	
		UG1F2 35 Gasoline ECCS Dual	YG1F2 35 Diesel
Light	Head lights (Without guard)	●	●
	Head lights (With guard)	○	○
	Rear combination lamps	○	○
	Rear working lamps	○	○
	Turning signal lamps	○	○
	Rotating light (Yellow)	○	○
Brake	Toggle joint type parking brake with warning buzzer	●	●
Tires	J-lug tires (Textile)	●	●
	Solid tires	○	○
	Solid tires (Green/white)	○	○
	Snow tires	○	○
	AirBoss tires	-	-
	Double tires	○	○
	Built-in bolt type disc wheels	●	●
	Spare tires (1 for front and 1 for rear)	○	○
Body	Rain guard (Vinyl type)	○	○
	Rain guard (Resin type)	○	○
	Sub guard	-	-
	Canvas cabin	-	○
	Windshield	○	○
	Steel cabin	○	○
	Damper stay for top panel opening	●	●
	Top panel lock	●	●
	Rearview mirrors (Both sides)	○	○
Seat	Heater	○	○
	Restraint seat with suspension	●	●
	Without seat	○	○
Mast	2W mast (Inner chain wide view mast)	●	●
	2F mast	○	○
	3F mast	○	○
	Without mast	○	○
	Tilt cylinder cover	○	○
	Tilt cylinder boot	○	○
	Mast tilt gauge	○	○
	Tilt Leveling System	○	○
Carriage & Backrest	Standard carriage	●	●
	Wide carriage	○	○
	Extra wide carriage for tire chain	○	○
	Standard backrest	●	●
	High backrest (ANSI)	○	○
	Wide & high backrest (ANSI)	○	○
	Extra wide & high backrest (ANSI)	○	○
	Without backrest	○	○
Fork	Long fork*	○	○
	Extension fork	○	○
	Without fork	○	○
Steering system	Small-diameter steering wheel with tilt adjustment	●	●
	Steering synchronizer	○	○

*Refers to Fork Availability.

Option Availability

		●...Standard ○...Option	
		UG1F2 35 Gasoline ECCS Dual	YG1F2 35 Diesel
Hydraulic control	2 spool valve	●	●
	3 spool valve	○	○
	4 spool valve	○	○
	5 spool valve	○	○
	Electric control 2 spool valve	-	-
	Electric control 3 spool valve	-	-
	Electric control 4 spool valve	-	-
	Single control lever	○	○
	Double control lever	●	●
	FINGERTIP control (Single type)	-	-
	FINGERTIP control (Double type)	-	-
	3 spool piping to carriage	○	○
	4 spool piping to carriage	○	○
	Quick release type piping connector	○	○
	Smooth-run system	○	○
Tool kit	Tool kit	○	○
	Tool kit with jack	○	○
Special application	Special color	○	○
	Rustproof specification	○	○
	Dustproof specification	○	○
	Low noise specification	○	○
	Cold area specification	○	○
	Tropical area specification	○	○
Label	English	●	●
	German	○	○
	French	○	○
	Spanish	○	○

Fork Availability

Model		1F2
Length (mm)		35
Fork	Without Forks	○
	920	-
	1000	-
	1070	●
	1150	○
	1220	○
	1370	○
	1520	○
Extension Fork	1200	○
	1300	○
	1500	○
	1600	○
	1700	○
	1800	○
	2000	○

Fork Dimensions

	Width [W] x Thickness [T] mm
	35
All Length	122 x 45

Carriage & Backrest Dimensions

■ CARRIAGE

Model		G1F2
		35
Class		Class III
**Number of Rollers (Number of side rollers not included)		6
Carriage Width [W] mm	Standard	1020
	Wide	1335
	*Extra Wide	1550
Max. Fork Spread mm	Standard	1005
	Wide	1320
	*Extra Wide	1535

* Two stage mast (2W) only

** Except for three stage mast (3F).

Numbers of rollers for three stage mast are 4 pieces only.

■ BACKREST

		G1F2
		35
Backrest Height [H] mm	Standard	1095
	High Backrest	1310
	Wide & High Backrest	1310
	Extra Wide & High Backrest	1310
Backrest width [L] mm	Standard & High Backrest	1045
	Wide & High Backrest	1360
	Extra Wide & High Backrest	1575
Plate Thickness [T] mm		12

Tire Size

			●...Standard ○...Option
Tire		Model	1F2
Front	Single	Tire size (STD)	250-15-16PR(I)
		Rim size (STD)	7.00T x 15IRA
		Type	J-lug (Textile)
			Snow Tire
			AirBoss Tire
			Solid Tire*
	Double	Tire Size (STD)	28 x 9-15-12PR(I)
		Rim Size (STD)	7.00T x 15IRA
		Type	J-lug (Textile)
			Snow Tire
			AirBoss Tire
			Solid Tire*
Rear	Single	Tire Size (STD)	6.50-10-12PR(I)
		Rim Size (STD)	5.00F x 10TB
		Type	J-lug textile
			Snow Tire
			AirBoss Tire
			Solid Tire*

*Green/white color solid tires are included.

Tool Options

Tool kit			1F2
			Pneumatic
	Wrench	8 x 10	○
		12 x 14	○
		14 x 17	○
	Screwdrivers		○
	Wheel nut wrench		○
	Tool bag		○
Jack		○ *	

*Jack is available by separate request.

Unit Specification

UG1F2		
ENGINE SYSTEM	Model	K25
	Classification	ECCS Dual Gasoline/LPG
	Cycle	4
	Type	4 cylinder in-line OHV
	Displacement	cm ³ 2488
	Bore x Stroke	mm 89 x 100
	Compression ratio	8.7
	Air cleaner	Cyclone type, dry element
	Governor	-
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Electronic fuel injection type (GAS:MPI / LPG:SPI)
	Fuel pump	Diaphragm type
	Water pump	Centrifuge type
	Radiator	Corrugated fin
	Battery	12V-27AH
	Alternator	12V-50AH
	Starter motor	12V-1.2kw (Conventional type)
TRANSMISSION	Automatic	Torque converter type 3-element, 1-stage, 2-phase
		Transmission type Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type Single, dry friction disc
		Transmission type Full synchromesh, two speeds forward and reverse
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Propeller shaft type
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber brushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point lock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	2.0-2.5 ton: 63 liters 3.0-3.5 ton: 69 liters
	Hydraulic oil tank	2 ton: 45 liters 3 ton: 50 liters upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder MC/FTC	Without flow regulator valve / With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	2.0-2.5 ton: Class II 3.0-3.5 ton: Class III
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / LPG fuel warning /
	Warning lamp (LED)	Multipurpose warning / Check engine warning / Oil pressure warning / Charge warning / Brake warning / Seatbelt warning
	Switch & knob	Lighting switch/Starter switch

Unit Specification

			YG1F2
ENGINE SYSTEM	Model		QD32
	Classification		Diesel
	Cycle		4
	Type		4 cylinder in-line OHV
	Displacemen	cm ³	3153
	Bore x Stroke	mm	99.2 x 102
	Compression ratio		22
	Air cleaner		Cyclone type, dry element
	Governor		Mechanical type
	Oil filter		Cartridge type
	Oil pump		Gear type
	Injection pump		VE type
	Fuel pump		-
	Water pump		Centrifuge type
	Radiator		Corrugated fin
	Battery		12V-64AH
	Alternator		12V-60AH
	Starter motor		12V-2.8kw (Reduction type)
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed. With neutral start switch. Wet multi-disc hydraulic clutch.
	Manual	Clutch type	Single, dry friction disc
		Transmission type	Full synchromesh, two speeds forward and reverse
STEERING SYSTEM	Type		Fully hydrostatic power steering
	Steering unit		ORBITROL
	Power cylinder		Mounted on steering axle
	Steering wheel		Tilting type
DRIVE AXLE	Type		Propeller shaft type
	Final gear		Hypoid gear
STEERING AXLE	Type		Center pin system
	Suspension system		Rubber bushing mounted
BRAKE SYSTEM	Service brake		Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake		Dead point lock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure		Integral, All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standards
	Fuel tank		2.0-2.5 ton: 63 liters 3.0-3.5 ton: 69 liters
	Hydraulic oil tank		2 ton: 45 liters 3 ton: 50 liters upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type, used for hoisting and power steering
	Control valve		Sectional type with tilt lock valve
	Lift cylinder MC/FTC		Without flow regulator valve / With flow regulator valve
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		2.0-2.5 ton: Class II 3.0-3.5 ton: Class III
	Forks		Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)		Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / Water separator warning /
	Warning lamp (LED)		Multipurpose warning / Glow plug indicator / Oil pressure warning / Charge warning / Brake warning / Seatbelt warning
	Switch & knob		Lighting switch / Starter switch

GX Series **1F4**

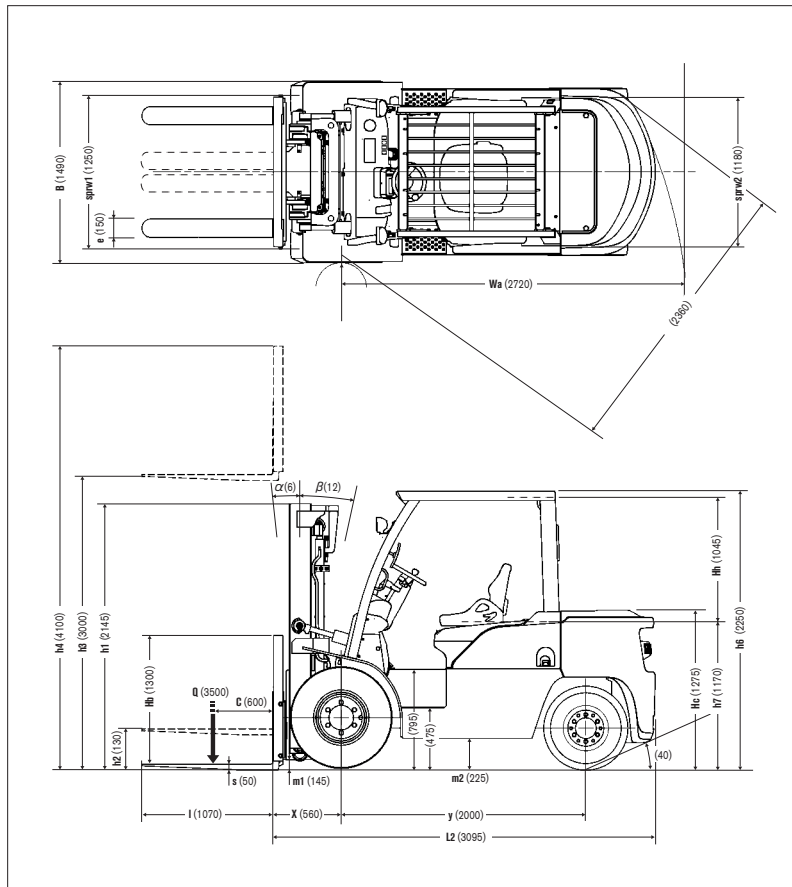
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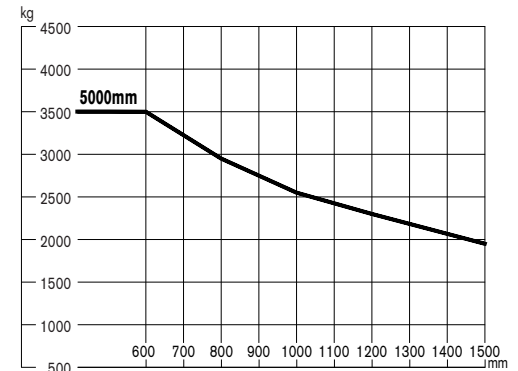
**5.0 ton
at 600mm
Load Center**

GX 3.5 ton

Dimensions



Load Capacity Chart



No capacity reduction until 5000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	Double	Special double
Front Tire Size	8.25-15-12PR(I)	7.50-16-12PR(I)	8.25-15-12PR(I)
Overall Width mm	1490	1775	1970
Front Tread mm	1250	1310	1445

Ground Clearance

Under mast	mm	145
Under power unit	mm	170
Under frame	mm	225

Mast Specifications & Rated Capacities

W1F4A35Y, W1F4F35Y, J1F4A35DY/LY, J1F4F35DY/LY

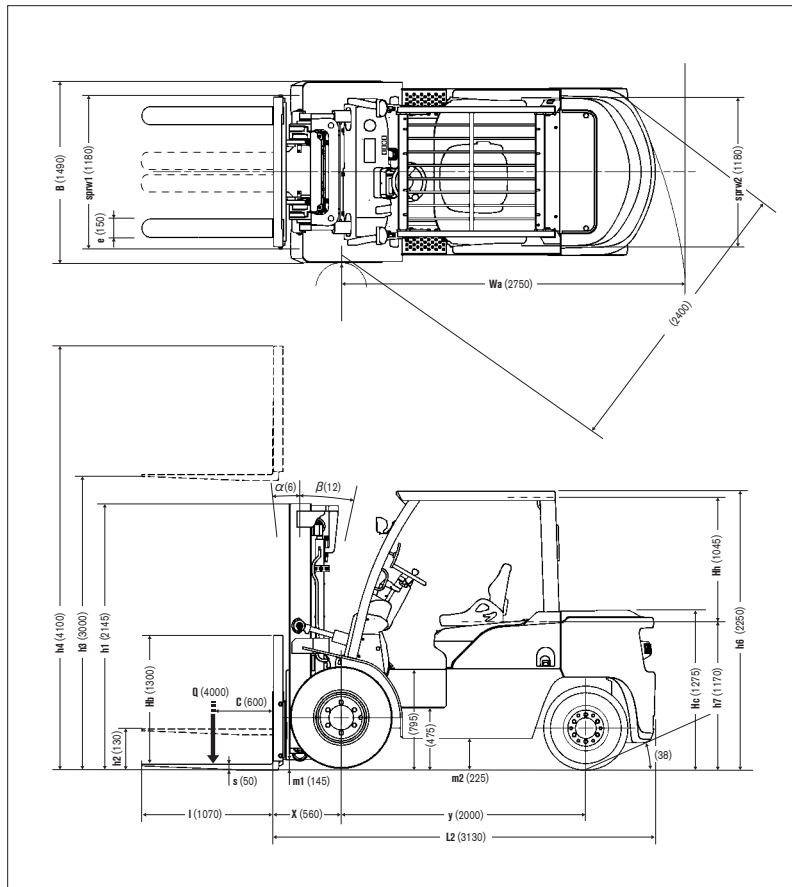
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity	
			Fully lowered mm	Fully extended Without backrest mm	Fully extended With STD backrest mm	Without backrest mm	With STD backrest mm			Single tire Load center 600mm kg	Double tire Load center 600mm kg
Two stage (Wide view 2W)	2W300	3000	2145	3835	4100	130	130	560	6/12	3500	
	2W330	3300	2295	4135	4400				6/12	3500	
	2W350	3500	2430	4335	4600				6/12	3500	
	2W370	3700	2545	4535	4800				6/12	3500	
	2W400	4000	2745	4835	5100				6/12	3500	
	2W450	4500	2995	5335	5600				6/6	3500	
	2W500	5000	3245	5835	6100				6/6	3500	
Three stage (Full free 3F)	3F385	3850	1995	4725	4950	1175	950	575	6/6	3500	
	3F430	4300	2145	5175	5400	1325	1100		6/6	3500	
	3F475	4750	2295	5625	5850	1475	1250		6/6	3500	
	3F515	5150	2430	6025	6250	1615	1385		6/6	3300	3500
	3F550	5500	2545	6375	6600	1725	1500		6/6	2400	3300
	3F600	6000	2745	6875	7100	1925	1700		6/6	1800	3200
	3F650	6500	2995	7375	7600	2175	1950		6/6	1400	2800
	3F700	7000	3245	7875	8100	2425	2200		6/6	1000	2100

Main Truck Specifications

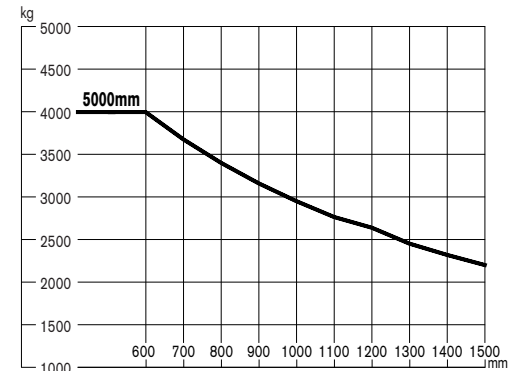
Item					GX-40	GX-40	GX-40	GX-40		
SPECIFICATIONS	1	Manufacturer			Nissan	Nissan	Nissan	Nissan	1	
	2	Model			W1F4A35Y	W1F4F35Y	J1F4A35DYLY	J1F4F35DY/LY	2	
	3	Load capacity	Q Load lifted	kg	3500	3500	3500	3500	3	
	4	Load center	C Distance	mm	600	600	600	600	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas		Diesel	Diesel	Gasoline・LPG / LPG	Gasoline・LPG / LPG	5	
	6	Operator type	Walkie, rider / stand, rider / seat		Rider / seat	Rider / seat	Rider / seat	Rider / seat	6	
	7	Tire type	front / rear		Pneumatic	Pneumatic	Pneumatic	Pneumatic	7	
	8	Wheels (x=driven)	Number front / rear		2x / 2	2x / 2	2x / 2	2x / 2	8	
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	3000	9	
	10	Free lift	h2 Standard free lift	mm	130	130	130	130	10	
	13	Fork size	s.e.l	mm	50x150x1070	50x150x1070	50x150x1070	50x150x1070	13	
		Max. Fork Spread		mm	1185	1185	1185	1185		
		Min. Fork Spread		mm	305	305	305	305		
	14	Tilt range	α / β Mast forward / backward	deg	6 / 12	6 / 12	6 / 12	6 / 12	14	
	15	Overall measurement	L2 Length to fork face	mm	3095	3095	3095	3095	15	
	16		B Overall width	mm	1490	1490	1490	1490	16	
	17		h1 Height mast fully lowered	mm	2145	2145	2145	2145	17	
	18		h4 Height mast fully extended	mm	4100	4100	4100	4100	18	
	19		h6 Height overhead guard	mm	2250	2250	2250	2250	19	
	20		h7 Height of driver's seat	mm	1170	1170	1170	1170	20	
	21	Turning radius (outside)	Wa	mm	2720	2720	2720	2720	21	
	22	Load distance	X From center of front axle	mm	560	560	560	560	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	4680 / 4480	4680 / 4480	4680 / 4480	4680 / 4480	23	
PERFORMANCE	24	Speeds	Traveling	full load	km/h	18.0	23.5	18.0	22.0	24
	no load			km/h	19.5	24.5	18.0	22.0		
	Lifting		full load	mm/s	500	500	480	480	25	
			no load	mm/s	520	520	480	480		
	Lowering		full load	mm/s	500	500	500	500	26	
			no load	mm/s	500	500	500	500		
28	Max. drawbar pull	full load / no load 5min.	N	29350 / 23220	29350 / 23220	30500 / 26100	30500 / 26100	28		
29	Gradeability at 2km/h	full load / no load	tanθ(%)	26 / -	26 / -	26 / -	26 / -	29		
30	Max. gradeability	full load / no load	tanθ(%)	27/27	27/27	32/27	32/27	30		
WEIGHTS	32	Truck weight	no load	kg	5760	5790	5810	5840	32	
	33	Weight distribution	full load front / rear	kg	8095 / 1165	8115 / 1175	8070 / 1240	8085 / 1255	33	
34	no load front / rear		kg	2565 / 3195	2585 / 3205	2540 / 3270	2555 / 3285	34		
CHASSIS & WHEELS	35	Tires	Number. front / rear	each	2 / 2	2 / 2	2 / 2	2 / 2	35	
	36		Size-front		8.25-15-12PR(I)	8.25-15-12PR(I)	8.25-15-12PR(I)	8.25-15-12PR(I)	36	
	37		Size-rear		7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	37	
	38	Wheelbase	y	mm	2000	2000	2000	2000	38	
	39	Tread	sprw 1/sprw 2 front / rear	mm	1250 / 1180	1250 / 1180	1250 / 1180	1250 / 1180	39	
		Backrest height	Hb top of backrest - upper of fork face	mm	1300	1300	1300	1300		
		Overhead guard clearance	Hh	mm	1045	1045	1045	1045		
		Counter weight height	Hc	mm	1275	1275	1275	1275		
	40	Ground clearance	m1 Full load minimum mast	mm	145	145	145	145	40	
	41		m2 Full load center of wheelbase	mm	225	225	225	225	41	
42	Service brake	Mechanical / hydraulic / electric / pneu		Hydraulic	Hydraulic	Hydraulic	Hydraulic	42		
43	Parking brake	Foot / hand / seat switch		Hand	Hand	Hand	Hand	43		
DRIVE LINE	45	Battery	Voltage / Capacity	V/AH	12 / 64	12 / 64	12 / 55	12 / 55	45	
	49	Internal Combustion engine	manufacturer / type		NISSAN / TD42	NISSAN / TD42	NISSAN / TB45	NISSAN / TB45	49	
	50		maximum engine rated power	KW	61	61	71.3	71.3	50	
	51		rated rpm	rpm	2400	2400	2450	2450	51	
	52		Number of cylinders / Displacement	/ cc	6 / 4169	6 / 4169	6 / 4478	6 / 4478	52	
	55	Transmission	type		Automatic	Automatic	Automatic	Automatic	55	
			speed		1 / 1	2 / 1	1 / 1	2 / 1		
57	Operating pressure	for attachment (Side shift)	MPa	13.7	13.7	13.7	13.7	57		

GX 4.0 ton

Dimensions



Load Capacity Chart



No capacity reduction until 5000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	Single	Double	Special double
Front Tire Size	300-15-18PR(I)	7.50-16-12PR(I)	8.25-15-12PR(I)
Overall Width mm	1490	1775	1970
Front Tread mm	1180	1310	1445

Ground Clearance

Under mast	mm	145
Under power unit	mm	170
Under frame	mm	225

Mast Specifications & Rated Capacities

W1F4A40Y, W1F4F40Y, J1F4A40DY/LY, J1F4F40DY/LY

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity	
			Fully lowered mm	Fully extended Without backrest mm	Fully extended With STD backrest mm	Without backrest mm	With STD backrest mm			Single tire Load center 600mm kg	Double tire Load center 600mm kg
Two stage (Wide view 2W)	2W300	3000	2145	3835	4100	130	130	560	6/12	4000	
	2W330	3300	2295	4135	4400				6/12	4000	
	2W350	3500	2430	4335	4600				6/12	4000	
	2W370	3700	2545	4535	4800				6/12	4000	
	2W400	4000	2745	4835	5100				6/12	4000	
	2W450	4500	2995	5335	5600				6/6	4000	
	2W500	5000	3245	5835	6100				6/6	4000	
Three stage (Full free 3F)	3F385	3850	1995	4725	4950	1175	950	575	6/6	4000	
	3F430	4300	2145	5175	5400	1325	1100		6/6	4000	
	3F475	4750	2295	5625	5850	1475	1250		6/6	4000	
	3F515	5150	2430	6025	6250	1615	1385		6/6	3800	3950
	3F550	5500	2545	6375	6600	1725	1500		6/6	3200	3800
	3F600	6000	2745	6875	7100	1925	1700		6/6	2400	3700
	3F650	6500	2995	7375	7600	2175	1950		6/6	1800	2800
	3F700	7000	3245	7875	8100	2425	2200		6/6	1300	2100

Main Truck Specifications

Item					GX-40H	GX-40H	GX-40H	GX-40H		
SPECIFICATIONS	1	Manufacturer			Nissan	Nissan	Nissan	Nissan	1	
	2	Model			W1F4A40Y	W1F4F40Y	J1F4A40DY/LY	J1F4F40DY/LY	2	
	3	Load capacity	Q Load lifted	kg	4000	4000	4000	4000	3	
	4	Load center	C Distance	mm	600	600	600	600	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas		Diesel	Diesel	Gasoline · LPG / LPG	Gasoline · LPG / LPG	5	
	6	Operator type	Walkie, rider / stand, rider / seat		Rider / seat	Rider / seat	Rider / seat	Rider / seat	6	
	7	Tire type	front / rear		Pneumatic	Pneumatic	Pneumatic	Pneumatic	7	
	8	Wheels (x=driven)	Number	front / rear	2x / 2	2x / 2	2x / 2	2x / 2		
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	3000	9	
	10	Free lift	h2 Standard free lift	mm	130	130	130	130	10	
	13	Fork size	s.e.l	mm	50x150x1070	50x150x1070	50x150x1070	50x150x1070	13	
		Max. Fork Spread		mm	1185	1185	1185	1185		
		Min. Fork Spread		mm	305	305	305	305		
	14	Tilt range	α / β Mast forward / backward		deg	6 / 12	6 / 12	6 / 12	14	
	15	Overall measurement	L2	Length to fork face	mm	3130	3130	3130	3130	15
	16		B	Overall width	mm	1490	1490	1490	1490	16
	17		h1	Height mast fully lowered	mm	2145	2145	2145	2145	17
	18		h4	Height mast fully extended	mm	4100	4100	4100	4100	18
	19		h6	Height overhead guard	mm	2250	2250	2250	2250	19
	20		h7	Height of driver's seat	mm	1170	1170	1170	1170	20
	21	Turning radius (outside)	Wa		mm	2750	2750	2750	2750	21
	22	Load distance	X	From center of front axle	mm	560	560	560	560	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm	4710 / 4510	4710 / 4510	4710 / 4510	4710 / 4510	23
PERFORMANCE	24	Speeds	Traveling	full load	km/h	18.0	23.5	18.0	22.0	24
	no load			km/h	19.5	24.5	18.0	22.0		
	Lifting		full load	mm/s	500	500	480	480	25	
			no load	mm/s	520	520	480	480		
	Lowering		full load	mm/s	500	500	500	500	26	
			no load	mm/s	500	500	500	500		
	28	Max. drawbar pull	full load / no load 5min.		N	30200 / 24070	30200 / 24070	31400 / 27000	31400 / 27000	28
29	Gradeability at 2km/h	full load / no load		$\tan\theta(\%)$	24 / -	24 / -	25 / -	25 / -	29	
30	Max. gradeability	full load / no load		$\tan\theta(\%)$	26 / 24	26 / 24	28 / 26	28 / 26	30	
WEIGHTS	32	Truck weight	no load		kg	5985	6015	6035	6065	32
	33	Weight distribution	full load	front / rear	kg	8860 / 1125	8880 / 1135	8835 / 1200	8850 / 1215	33
	34		no load	front / rear	kg	2540 / 3445	2560 / 3455	2515 / 3520	2530 / 3535	34
CHASSIS & WHEELS	35		Number.	front / rear	each	2 / 2	2 / 2	2 / 2	2 / 2	35
	36	Tires	Size-front			300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	36
	37		Size-rear			7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	37
	38	Wheelbase	y		mm	2000	2000	2000	2000	38
	39	Tread	sprw 1/sprw 2	front / rear	mm	1180 / 1180	1180 / 1180	1180 / 1180	1180 / 1180	39
		Backrest height	Hb	top of backrest - upper of fork face		mm	1300	1300	1300	
		Overhead guard clearance	Hh			mm	1045	1045	1045	
		Counter weight height	Hc			mm	1275	1275	1275	
	40	Ground clearance	m1	Full load minimum mast		mm	145	145	145	40
	41		m2	Full load center of wheelbase		mm	225	225	225	41
42	Service brake	Mechanical / hydraulic / electric / pneu				Hydraulic	Hydraulic	Hydraulic	Hydraulic	42
43	Parking brake	Foot / hand / seat switch				Hand	Hand	Hand	Hand	43
DRIVE LINE g	45	Battery	Voltage / Capacity		V/AH	12 / 64	12 / 64	12 / 55	12 / 55	45
	49	Internal Combustion engine	manufacturer / type			NISSAN / TD42	NISSAN / TD42	NISSAN / TB45	NISSAN / TB45	49
	50		maximum engine rated power		KW	61	61	71.3	71.3	50
	51		rated rpm		rpm	2400	2400	2450	2450	51
	52		Number of cylinders / Displacement		/ cc	6 / 4169	6 / 4169	6 / 4478	6 / 4478	52
	55	Transmission	type			Automatic	Automatic	Automatic	Automatic	55
			speed			1 / 1	2 / 1	1 / 1	2 / 1	
57	Operating pressure	for attachment	(Side shift)	MPa	13.7	13.7	13.7	13.7	57	

Main Truck Specifications

Item					GX-45	GX-45	GX-45	GX-45	
SPECIFICATIONS	1	Manufacturer			Nissan	Nissan	Nissan	Nissan	1
	2	Model			W1F4A45Y	W1F4F45Y	W1F4A45DY/LY	W1F4F45DY/LY	2
	3	Load capacity	Q Load lifted	kg	4500	4500	4500	4500	3
	4	Load center	C Distance	mm	600	600	600	600	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		Diesel	Diesel	Gasoline · LPG / LPG	Gasoline · LPG / LPG	5
	6	Operator type	Walkie, rider / stand, rider / seat		Rider / seat	Rider / seat	Rider / seat	Rider / seat	6
	7	Tire type	front / rear		Pneumatic	Pneumatic	Pneumatic	Pneumatic	7
	8	Wheels (x=driven)	Number front / rear		2x / 2	2x / 2	2x / 2	2x / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	3000	9
	10	Free lift	h2 Standard free lift	mm	175	175	175	175	10
	13	Fork size	s.e.l	mm	55x150x1070	55x150x1070	55x150x1070	55x150x1070	13
		Max. Fork Spread		mm	1185	1185	1185	1185	
		Min. Fork Spread		mm	305	305	305	305	
	14	Tilt range	α / β Mast forward / backward	deg	6 / 12	6 / 12	6 / 12	6 / 12	14
	15	Overall measurement	L2 Length to fork face	mm	3210	3210	3210	3210	15
	16		B Overall width	mm	1490	1490	1490	1490	16
	17		h1 Height mast fully lowered	mm	2145	2145	2145	2145	17
	18		h4 Height mast fully extended	mm	4100	4100	4100	4100	18
	19		h6 Height overhead guard	mm	2250	2250	2250	2250	19
	20		h7 Height of driver's seat	mm	1170	1170	1170	1170	20
	21	Turning radius (outside)	Wa	mm	2800	2800	2800	2800	21
	22	Load distance	X From center of front axle	mm	587	587	587	587	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	4785 / 4585	4785 / 4585	4785 / 4585	4785 / 4585	23
PERFORMANCE	24	Speeds	Traveling	full load	km/h	18.0	23.5	18.0	24
				no load	km/h	19.5	24.5	18.0	
	25		Lifting	full load	mm/s	430	430	420	25
				no load	mm/s	450	450	420	
	26		Lowering	full load	mm/s	450	450	450	26
				no load	mm/s	450	450	450	
	28	Max. drawbar pull	full load / no load	5min.	N	31050 / 24920	31050 / 24920	32300 / 27900	28
	29	Gradeability at 2km/h	full load / no load		$\tan\theta(\%)$	21 / -	21 / -	22 / -	29
	30	Max. gradeability	full load / no load		$\tan\theta(\%)$	24 / 22	24 / 22	25 / 24	30
WEIGHTS	32	Truck weight	no load	kg	6780	6810	6830	6860	32
	33	Weight distribution	full load	front / rear	kg	9910 / 1370	9925 / 1385	9880 / 1450	33
	34		no load	front / rear	kg	2740 / 4040	2755 / 4055	2710 / 4120	34
CHASSIS & WHEELS	35	Tires	Number.	front / rear	each	2 / 2	2 / 2	2 / 2	35
	36		Size-front			300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	36
	37		Size-rear			7.00-12-14PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)	37
	38	Wheelbase	y	mm	2000	2000	2000	2000	38
	39	Tread	sprw 1/sprw 2 front / rear	mm	1180 / 1180	1180 / 1180	1180 / 1180	1180 / 1180	39
		Backrest height	Hb top of backrest - upper of fork face	mm	1300	1300	1300	1300	
		Overhead guard clearance	Hh	mm	1045	1045	1045	1045	
		Counter weight height	Hc	mm	1275	1275	1275	1275	
	40	Ground clearance	m1 Full load minimum mast	mm	145	145	145	145	40
	41		m2 Full load center of wheelbase	mm	225	225	225	225	41
	42	Service brake	Mechanical / hydraulic / electric / pneu		Hydraulic	Hydraulic	Hydraulic	Hydraulic	42
	43	Parking brake	Foot / hand / seat switch		Hand	Hand	Hand	Hand	43
DRIVE LINE	45	Battery	Voltage / Capacity	V/AH	12 / 64	12 / 64	12 / 55	12 / 55	45
	49	Internal Combustion engine	manufacturer / type		NISSAN / TD42	NISSAN / TD42	NISSAN / TB45	NISSAN / TB45	49
	50		maximum engine rated power	KW	61	61	71.3	71.3	50
	51		rated rpm	rpm	2400	2400	2450	2450	51
	52		Number of cylinders / Displacement	/ cc	6 / 4169	6 / 4169	6 / 4478	6 / 4478	52
	55	Transmission	type		Automatic	Automatic	Automatic	Automatic	55
			speed		1 / 1	2 / 1	1 / 1	2 / 1	
	57	Operating pressure	for attachment (Side shift)	MPa	13.7	13.7	13.7	13.7	57

Main Truck Specifications

Item					GX-50	GX-50	GX-50	GX-50		
SPECIFICATIONS	1	Manufacturer			Nissan	Nissan	Nissan	Nissan	1	
	2	Model			WG1F4A50Y	WG1F4F50Y	JG1F4A50DY/LY	JG1F4F50DY/LY	2	
	3	Load capacity	Q Load lifted	kg	5000	5000	5000	5000	3	
	4	Load center	C Distance	mm	600	600	600	600	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas		Diesel	Diesel	Gasoline · LPG / LPG	Gasoline · LPG / LPG	5	
	6	Operator type	Walkie, rider / stand, rider / seat		Rider / seat	Rider / seat	Rider / seat	Rider / seat	6	
	7	Tire type	front / rear		Pneumatic	Pneumatic	Pneumatic	Pneumatic	7	
	8	Wheels (x=driven)	Number	front / rear	2x / 2	2x / 2	2x / 2	2x / 2		
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	3000	9	
	10	Free lift	h2 Standard free lift	mm	175	175	175	175	10	
	13	Fork size	s.e.l	mm	60x150x1220	60x150x1220	60x150x1220	60x150x1220	13	
		Max. Fork Spread		mm	1185	1185	1185	1185		
		Min. Fork Spread		mm	305	305	305	305		
	14	Tilt range	α / β Mast forward / backward		deg	6 / 12	6 / 12	6 / 12	14	
	15	Overall measurement	L2 Length to fork face	mm	3340	3340	3340	3340	15	
	16		B Overall width	mm	1490	1490	1490	1490	16	
	17		h1 Height mast fully lowered	mm	2145	2145	2145	2145	17	
	18		h4 Height mast fully extended	mm	4100	4100	4100	4100	18	
	19		h6 Height overhead guard	mm	2250	2250	2250	2250	19	
	20		h7 Height of driver's seat	mm	1170	1170	1170	1170	20	
	21	Turning radius (outside)	Wa	mm	2935	2935	2935	2935	21	
	22	Load distance	X From center of front axle	mm	597	597	597	597	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm	4935 / 4735	4935 / 4735	4935 / 4735	4935 / 4735	23
PERFORMANCE	24	Speeds	Traveling	full load	km/h	18.0	23.5	18.0	22.0	24
	no load			km/h	19.5	24.5	18.0	22.0		
	25		Lifting	full load	mm/s	420	420	420	420	25
	no load			mm/s	440	440	420	420		
	26		Lowering	full load	mm/s	450	450	450	450	26
	no load			mm/s	450	450	450	450		
28	Max. drawbar pull	full load / no load 5min.		N	31900 / 25770	31900 / 25770	33200 / 28800	33200 / 28800	28	
29	Gradeability at 2km/h	full load / no load		$\tan\theta(\%)$	19 / -	19 / -	20 / -	20 / -	29	
30	Max. gradeability	full load / no load		$\tan\theta(\%)$	22 / 20	22 / 20	23 / 22	23 / 22	30	
WEIGHTS	32	Truck weight	no load	kg	7325	7355	7330	7360	32	
	33	Weight distribution	full load	front / rear	kg	10775 / 1550	10795 / 1560	10775 / 1555	10790 / 1570	33
	34		no load	front / rear	kg	2995 / 4330	3010 / 4345	2990 / 4340	3010 / 4350	34
CHASSIS & WHEELS	35		Number.	front / rear	each	2 / 2	2 / 2	2 / 2	35	
	36	Tires	Size-front			300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	300-15-18PR(I)	36
	37		Size-rear			7.00-12-14PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)	7.00-12-14PR(I)	37
	38	Wheelbase	y	mm	2150	2150	2150	2150	38	
	39	Tread	sprw 1/sprw 2 front / rear	mm	1180 / 1180	1180 / 1180	1180 / 1180	1180 / 1180	39	
		Backrest height	Hb top of backrest - upper of fork face	mm	1300	1300	1300	1300		
		Overhead guard clearance	Hh	mm	1045	1045	1045	1045		
		Counter weight height	Hc	mm	1275	1275	1275	1275		
	40	Ground clearance	m1 Full load minimum mast	mm	145	145	145	145	40	
41	m2 Full load center of wheelbase		mm	225	225	225	225	41		
42	Service brake	Mechanical / hydraulic / electric / pneu		Hydraulic	Hydraulic	Hydraulic	Hydraulic	42		
43	Parking brake	Foot / hand / seat switch		Hand	Hand	Hand	Hand	43		
DRIVE LINEGGG	45	Battery	Voltage / Capacity		V/AH	12 / 64	12 / 64	12 / 55	12 / 55	45
	49	Internal Combustion engine	manufacturer / type			NISSAN / TD42	NISSAN / TD42	NISSAN / TB45	NISSAN / TB45	49
	50		maximum engine rated power		KW	61	61	71.3	71.3	50
	51		rated rpm		rpm	2400	2400	2450	2450	51
	52		Number of cylinders / Displacement		/ cc	6 / 4169	6 / 4169	6 / 4478	6 / 4478	52
	55	Transmission	type			Automatic	Automatic	Automatic	Automatic	55
			speed			1 / 1	2 / 1	1 / 1	2 / 1	
	57	Operating pressure	for attachment (Side shift)	MPa	13.7	13.7	13.7	13.7	57	

Loading Capacity - Pneumatic Tires (3.5 ton model)

W1F4A35Y, W1F4F35Y, J1F4A35DY, J1F4F35DY, J1F4A35LY, J1F4F35LY

Load Center		500	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast Name												
Single pneumatic tire	2W300	4000 (3700)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000 (3700)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000 (3700)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	3950 (3600)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	3900 (3600)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	3800 (3600)	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	3700 (3500)	3500 (3450)	3220 (3175)	2985 (2940)	2780 (2740)	2600 (2565)	2445 (2410)	2305 (2275)	2180 (2150)	2070 (2040)	1970 (1940)
	3F385	3800 (3500)	3500 (3450)	3225 (3180)	2990 (2945)	2785 (2750)	2610 (2575)	2455 (2420)	2315 (2285)	2190 (2160)	2080 (2050)	1980 (1955)
	3F430	3800 (3500)	3500 (3400)	3225 (3135)	2990 (2905)	2785 (2710)	2610 (2535)	2455 (2385)	2315 (2250)	2190 (2130)	2080 (2020)	1980 (1925)
	3F475	3800 (3500)	3500 (3400)	3225 (3135)	2990 (2905)	2785 (2710)	2610 (2535)	2455 (2385)	2315 (2250)	2190 (2130)	2080 (2020)	1980 (1925)
	3F515	3700 (3400)	3300	3040	2820	2630	2460	2315	2185	2065	1960	1870
	3F550	2700	2400	2210	2050	1910	1790	1685	1590	1505	1425	1360
	3F600	2000	1800	1660	1540	1435	1340	1260	1190	1125	1070	1020
	3F650	1500	1400	1290	1195	1115	1045	980	925	875	830	790
	3F700	1100	1000	920	855	795	745	700	660	625	595	565
Double pneumatic tire	2W300	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	3F385	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F430	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F475	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F515	3900	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F550	3700	3300	3040	2820	2630	2460	2315	2185	2065	1960	1870
	3F600	3600	3200	2950	2735	2550	2385	2245	2120	2005	1905	1810
	3F650	3200	2800	2580	2390	2230	2090	1965	1855	1755	1665	1585
	3F700	2400	2100	1935	1795	1670	1565	1470	1390	1315	1250	1190

* Each value indicated in () is the load capacity of 3.5 ton model with 2 speed forward / 1 speed reverse automatic transmission.

Loading Capacity - SE Tires (3.5 ton model)

W1F4A35Y, W1F4F35Y, J1F4A35DY, J1F4F35DY, J1F4A35LY, J1F4F35LY

Load Center		500	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast Name												
Single Super Elastic tire	2W300	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	3F385	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F430	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F475	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F515	3800	3350	3085	2860	2670	2500	2350	2215	2100	1990	1895
	3F550	3700	3250	2995	2775	2590	2425	2280	2150	2035	1935	1840
	3F600	3250	3000	2765	2565	2390	2235	2105	1985	1880	1785	1700
	3F650	2600	2400	2210	2050	1910	1790	1685	1590	1505	1425	1360
	3F700	2000	1850	1705	1580	1475	1380	1295	1225	1160	1100	1045
Double Super Elastic tire	2W300	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	3F385	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F430	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F475	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F515	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F550	3800	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F600	3700	3350	3085	2860	2670	2500	2350	2215	2100	1990	1895
	3F650	3600	3200	2950	2735	2550	2385	2245	2120	2005	1905	1810
	3F700	3500	3100	2855	2650	2470	2310	2175	2050	1940	1845	1755

Loading Capacity - Wide Tires (3.5 ton model)

W1F4A35Y, W1F4F35Y, J1F4A35DY, J1F4F35DY, J1F4A35LY, J1F4F35LY

Load Center		500	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast Name												
Wide Single Pneumatic tire (300-15-18PR)	2W300	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	3F385	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F430	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F475	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F515	3800	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F550	3200	2800	2580	2390	2230	2090	1965	1855	1755	1665	1585
	3F600	2500	2200	2025	1880	1750	1640	1545	1455	1380	1310	1245
	3F650	1600	1400	1290	1195	1115	1045	980	925	875	830	790
	3F700	1150	1000	920	855	795	745	700	660	625	595	565
Wide Single Superelastic tire (300-15-18PR)	2W300	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W330	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W350	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W370	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W400	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W450	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	2W500	4000	3500	3220	2985	2780	2600	2445	2305	2180	2070	1970
	3F385	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F430	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F475	4000	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F515	3950	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980
	3F550	3800	3450	3180	2945	2750	2575	2420	2285	2160	2050	1955
	3F600	3400	3150	2900	2690	2510	2350	2210	2085	1975	1875	1785
	3F650	2800	2600	2395	2220	2070	1940	1825	1720	1630	1545	1470
	3F700	2200	2050	1890	1750	1630	1530	1435	1355	1285	1220	1160

Loading Capacity - Pneumatic Tires (4.0 ton model)

W1F4A40Y, W1F4F40Y, J1F4A40DY, J1F4F40DY, J1F4A40LY, J1F4F40LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single pneumatic tire	2W300	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W330	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W350	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W370	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W400	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W450	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W500	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	3F385	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F430	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F475	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F515	3800	3500	3245	3025	2835	2665	2515	2380	2260	2150	2050
	3F550	3200	2950	2735	2550	2385	2245	2120	2005	1905	1810	1730
	3F600	2400	2210	2050	1910	1790	1685	1590	1505	1425	1360	1295
	3F650	1800	1660	1540	1435	1340	1260	1190	1125	1070	1020	970
	3F700	1300	1195	1110	1035	970	910	860	815	775	735	700
Double pneumatic tire	2W300	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W330	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W350	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W370	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W400	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W450	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W500	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	3F385	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F430	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F475	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F515	3950	3640	3375	3145	2945	2770	2615	2475	2350	2235	2135
	3F550	3800	3500	3245	3025	2835	2665	2515	2380	2260	2150	2050
	3F600	3700	3410	3160	2945	2760	2595	2450	2320	2200	2095	2000
	3F650	2800	2580	2390	2230	2090	1965	1855	1755	1665	1585	1510
	3F700	2100	1935	1795	1670	1565	1470	1390	1315	1250	1190	1135

Loading Capacity - SE Tires (4.0 ton model)

W1F4A40Y, W1F4F40Y, J1F4A40DY, J1F4F40DY, J1F4A40LY, J1F4F40LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single Super Elastic tire	2W300	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W330	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W350	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W370	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W400	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W450	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W500	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	3F385	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F430	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F475	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F515	3850	3545	3290	3065	2870	2700	2550	2410	2290	2180	2080
	3F550	3750	3455	3205	2985	2795	2630	2480	2350	2230	2125	2025
	3F600	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980	1890
	3F650	2900	2670	2480	2310	2165	2035	1920	1815	1725	1640	1565
	3F700	2350	2165	2010	1870	1750	1650	1555	1470	1395	1330	1270
Double Super Elastic tire	2W300	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W330	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W350	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W370	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W400	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W450	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	2W500	4000	3680	3410	3180	2975	2795	2635	2495	2365	2250	2150
	3F385	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F430	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F475	4000	3685	3415	3185	2985	2805	2645	2505	2380	2265	2160
	3F515	3950	3640	3375	3145	2945	2770	2615	2475	2350	2235	2135
	3F550	3800	3500	3245	3025	2835	2665	2515	2380	2260	2150	2050
	3F600	3700	3410	3160	2945	2760	2595	2450	2320	2200	2095	2000
	3F650	3500	3225	2990	2785	2610	2455	2315	2190	2080	1980	1890
	3F700	3350	3085	2860	2670	2500	2350	2215	2100	1990	1895	1810

Loading Capacity - Pneumatic Tires (4.5 ton model)

W1F4A45Y, W1F4F45Y, J1F4A45DY, J1F4F45DY, J1F4A45LY, J1F4F45LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single pneumatic tire	2W300	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W330	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W350	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W370	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W400	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W450	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W500	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	3F385	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F430	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F475	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F515	4300	3970	3685	3435	3220	3030	2865	2710	2575	2455	2340
	3F550	3200	2955	2740	2560	2395	2255	2130	2020	1915	1825	1740
	3F600	2400	2215	2055	1920	1800	1690	1600	1515	1440	1370	1305
	3F650	1800	1660	1540	1440	1350	1270	1200	1135	1080	1025	980
	3F700	1300	1200	1115	1040	975	915	865	820	780	740	710
Double pneumatic tire	2W300	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W330	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W350	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W370	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W400	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W450	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W500	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	3F385	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F430	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F475	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F515	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F550	4300	3970	3685	3435	3220	3030	2865	2710	2575	2455	2340
	3F600	3900	3600	3340	3115	2920	2750	2595	2460	2335	2225	2125
	3F650	2800	2585	2400	2240	2100	1975	1865	1765	1675	1595	1525
	3F700	2100	1935	1800	1680	1575	1480	1400	1325	1260	1200	1145

Loading Capacity - SE tires (4.5 ton model)

W1F4A45Y, W1F4F45Y, J1F4A45DY, J1F4F45DY, J1F4A45LY, J1F4F45LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single Super Elastic tire	2W300	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W330	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W350	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W370	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W400	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W450	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W500	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	3F385	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F430	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F475	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F515	4350	4015	3725	3475	3260	3065	2895	2745	2605	2480	2370
	3F550	4150	3830	3555	3315	3110	2925	2765	2615	2485	2370	2260
	3F600	3800	3505	3255	3035	2845	2680	2530	2395	2275	2170	2070
	3F650	3100	2860	2655	2480	2325	2185	2065	1955	1855	1770	1690
	3F700	2450	2260	2100	1960	1835	1725	1630	1545	1470	1395	1335
Double Super Elastic tire	2W300	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W330	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W350	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W370	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W400	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W450	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	2W500	4500	4150	3850	3590	3365	3165	2990	2830	2690	2560	2440
	3F385	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F430	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F475	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F515	4500	4150	3855	3595	3370	3175	2995	2840	2695	2565	2450
	3F550	4300	3970	3685	3435	3220	3030	2865	2710	2575	2455	2340
	3F600	4100	3785	3510	3275	3070	2890	2730	2585	2455	2340	2230
	3F650	3900	3600	3340	3115	2920	2750	2595	2460	2335	2225	2125
	3F700	3750	3460	3210	2995	2810	2645	2495	2365	2245	2140	2040

Loading Capacity - Pneumatic Tires (5.0 ton model)

WG1F4A50Y, WG1F4F50Y, JG1F4A50DY, JG1F4F50DY, JG1F4A50LY, JG1F4F50LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single pneumatic tire	2W300	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W330	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W350	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W370	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W400	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W450	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W500	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	3F385	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F430	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F475	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F515	4800	4430	4115	3845	3605	3395	3205	3035	2885	2750	2625
	3F550	3200	2955	2745	2560	2400	2260	2135	2025	1925	1830	1750
	3F600	2400	2215	2060	1920	1800	1695	1600	1520	1440	1375	1310
	3F650	1800	1660	1545	1440	1350	1270	1200	1140	1080	1030	985
	3F700	1300	1200	1115	1040	975	920	870	820	780	745	710
Double pneumatic tire	2W300	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W330	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W350	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W370	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W400	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W450	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W500	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	3F385	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F430	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F475	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F515	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F550	4700	4340	4030	3765	3530	3320	3140	2975	2825	2690	2570
	3F600	4100	3785	3515	3285	3080	2900	2735	2595	2465	2345	2240
	3F650	2800	2585	2400	2240	2100	1980	1870	1770	1685	1605	1530
	3F700	2100	1940	1800	1680	1575	1485	1400	1330	1260	1200	1150

Loading Capacity - SE Tires (5.0 ton model)

WG1F4A50Y, WG1F4F50Y, JG1F4A50DY, JG1F4F50DY, JG1F4A50LY, JG1F4F50LY

Load Center		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Mast Name												
Single Super Elastic tire	2W300	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W330	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W350	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W370	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W400	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W450	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W500	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	3F385	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F430	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F475	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F515	4800	4430	4115	3845	3605	3395	3205	3035	2885	2750	2625
	3F550	4650	4295	3990	3725	3490	3285	3105	2940	2795	2660	2540
	3F600	4350	4015	3730	3485	3265	3075	2905	2750	2615	2490	2380
	3F650	3750	3460	3215	3000	2815	2650	2505	2370	2255	2145	2050
	3F700	2800	2585	2400	2240	2100	1980	1870	1770	1685	1605	1530
Double Super Elastic tire	2W300	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W330	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W350	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W370	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W400	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W450	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	2W500	5000	4615	4285	3995	3745	3525	3330	3155	2995	2855	2725
	3F385	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F430	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F475	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F515	5000	4615	4290	4005	3755	3535	3340	3165	3005	2865	2735
	3F550	4850	4480	4160	3885	3640	3430	3240	3070	2915	2775	2650
	3F600	4650	4295	3990	3725	3490	3285	3105	2940	2795	2660	2540
	3F650	4450	4110	3815	3565	3340	3145	2970	2815	2675	2550	2430
	3F700	4300	3970	3690	3445	3230	3040	2870	2720	2585	2460	2350

Truck Weight

Unit: kg

Mast Type	Mast Name	W(G)1F4			
		35	40	45	50
Two Stage (Wide View 2W)	2W300	5760	5985	6780	7325
	2W330	5790	6015	6830	7375
	2W350	5820	6045	6870	7415
	2W370	5890	6115	6955	7495
	2W400	5930	6160	7020	7560
	2W450	5985	6210	7095	7635
	2W500	6040	6265	7170	7715
Three Stage (Full Free 3F)	3F385	5995	6225	7145	7685
	3F430	6045	6270	7215	7755
	3F475	6090	6315	7275	7815
	3F515	6135	6360	7370	7910
	3F550	6215	6440	7460	8000
	3F600	6280	6505	7575	8115
	3F650	6360	6585	7690	8230
	3F700	6445	6670	7810	8350
Truck Weight without Mast		4685	4910	5460	5925

Mast Type	Mast Name	J(G)1F4			
		35	40	45	50
Two Stage (Wide View 2W)	2W300	5810	6035	6830	7330
	2W330	5840	6065	6885	7385
	2W350	5870	6095	6920	7420
	2W370	5940	6165	7005	7505
	2W400	5985	6210	7070	7570
	2W450	6035	6260	7145	7645
	2W500	6090	6315	7220	7720
Three Stage (Full Free 3F)	3F385	6050	6275	7195	7690
	3F430	6095	6320	7265	7760
	3F475	6140	6370	7325	7820
	3F515	6185	6410	7420	7915
	3F550	6265	6490	7510	8005
	3F600	6330	6555	7625	8120
	3F650	6410	6640	7740	8235
	3F700	6495	6720	7860	8355
Truck Weight without Mast		4735	4960	5515	5930

Additional Truck Weight

■ TIRE WEIGHT

Unit: kg

Model (Capacity code)			35	40	45-50
Front	Single	J-lug (Textile)	±0	±0	±0
		Solid	+105	+115	+115
		Solid (Cool Saver)	+120	+150	+150
		AirBoss	—	—	—
	Double	J-lug (Textile)	±0	±0	±0
		Solid	+190	+190	+190
		Solid (Cool Saver)	—	—	—
		AirBoss	—	—	—
Rear	Single	J-lug (Textile)	±0	±0	±0
		Solid	+60	+60	+65
		Solid (Cool Saver)	+55	+55	+60
		AirBoss	+60	+60	+60

■ CABIN

Unit: kg

Model (Capacity code)	35-50
European cabin	+125

■ LPG SYSTEM

Unit: kg

		Type	35-50
Swing-down	Tank + Bracket + Hose	LPGP	+35
	Bracket + Hose	LPGQ	±0
	Bracket Only	LPGR	±0

■ FORKS

Unit: kg

Model (Capacity code)		35-40	45	50
Fork Length mm	Without Forks	-175	-195	-230
	1070	±0	±0	—
	1220	+20	+20	±0
	1370	+35	+40	+25
	1520	+55	+60	+70
	1820	+110	+95	+150
	1970	+140	+120	+170
	2120	+165	+140	+190

■ CARRIAGE & BACKREST

Unit: kg

CARRIAGE	BACKREST	35-40	45	50
Standard	Plate type	-5	-5	—
	Plate & High	±0	±0	±0
	Without Backrest	-40	-40	-35
Wide	Plate & High*	+15 (+20)	+20	+35 (+25)
	Without Backrest	-25	-25	-5

* The values indicated in () refer to the additional weight of the truck with 3F mast when plate & wide high backrest is selected.

■ SMOOTH-RUN SYSTEM

Unit: kg

Model (Capacity code)	35-50
(Model)	
With Smooth-run System	+25
Without Smooth-run System	0

Option Availability

●...Standard ○...Option

			35-50		35-50 Diesel
			Dual	LPG	
Truck management	VCM		●	●	●
Power train	Power train floating		●	●	●
Engine	ECCS		●	●	—
	Speed Selector		○	○	—
	Power / Eco Selector		●	●	—
Radiator	Corrugated fin type radiator		●	●	●
	Radiator screen		○	○	○
	Oil cooler (Radiator built-in type) (AT model)		●	●	●
	30% density LLC (Non-amine)		●	●	●
	50% density LLC (Non-amine)		○	○	○
Muffler	Standard muffler		—	—	●
	3-way catalytic muffler		●	●	—
	Overhead exhaust muffler		○	○	○
	Anti-fire spark muffler (Cyclone)		—	—	○
Air cleaner	Cyclone air cleaner		●	●	●
	Donaldson-type air cleaner		○	○	○
LPG system* Swing-down	Tank + bracket + hose		○	○	—
	Bracket + hose		●	●	—
	Bracket only		○	—	—
Instruments	Multifunctional LCD Meter	Multipurpose warning	●	●	●
		Glow plug indicator	—	—	●
		Check engine warning	●	●	—
		Oil pressure warning	●	●	●
		Charge warning	●	●	●
		Brake warning	●	●	●
		Seatbelt warning	●	●	●
		Directional indicator	●	●	●
		Fuel & water temperature gauges	●	●	●
		Hour meter	●	●	●
		Clock/calendar	●	●	●
		Speedometer	●	●	●
		Torque converter oil temp. warning	●	●	●
		Mast lock warning	●	●	●
		A/T power cut-off warning	●	●	●
		LPG fuel warning	●	●	—
		Air cleaner clogging warning	○	○	○
		Radiator water level warning	●	●	●
		PIN Access	●	●	●
		Self-diagnosis System	●	●	●
Service Reminder System	●	●	●		
Warning buzzer	Back-up buzzer		●	●	●
	Parking brake warning buzzer		●	●	●

*Only swing-down type is available for 1F4 Series.

Option Availability

●...Standard ○...Option

		35-50 Gasoline / LPG		1F4
		Dual	LPG	35-50 Diesel
Light	Head lights (Without guard)	●	●	●
	Head lights (With guard)	○	○	○
	Rear combination lamps	○	○	○
	Rear working light	○	○	○
	Turning signal lamps	○	○	○
	Rotating light (Yellow)	○	○	○
Parking brake	Toggle joint type parking brake with warning buzzer	●	●	●
Tires	J-lug tires (Textile)	●	●	●
	Solid tires	○	○	○
	Solid tires (Heat resistant)	○	○	○
	Snow tires	○	○	○
	AirBoss tires	○	○	○
	Double tires	○	○	○
	Built-in bolt type disc wheels	●	●	●
	Spare tires (1 for front and 1 for rear)	○	○	○
Body	Rain guard	○	○	○
	European cabin (2350 mm overall height)	○	○	○
	European half cabin	○	○	○
	European canvas cabin	○	○	○
	High overhead guard (2350 mm overall height)	○	○	○
	Damper stay for top panel opening	●	●	●
	Top panel lock	●	●	●
	Rearview mirrors (Both sides)	○	○	○
	Heater	○	○	○
Seat	Restraint seat with suspension	●	●	●
	Without seat	○	○	○

Option Availability

●...Standard ○...Option

		35-50		35-50 Diesel
		Dual	LPG	
Mast	2W mast	●	●	●
	3F mast	○	○	○
	Without mast	○	○	○
	Tilt cylinder cover	○	○	○
	Tilt cylinder boot	○	○	○
	Mast tilt gauge	○	○	○
	Tilt Leveling System	○	○	○
Carriage & Backrest	Standard carriage	●	●	●
	Wide carriage	○	○	○
	Plate type backrest	○	○	○
	Plate & high backrest (ANSI)	●	●	●
	Plate & wide high backrest (ANSI)	○	○	○
	Without backrest	○	○	○
Fork	Long forks*	○	○	○
	Extension forks	○	○	○
	Without forks	○	○	○
Steering system	Small-diameter steering wheel with tilt adjustment	●	●	●
	Steering synchronizer	○	○	○

*Refers to Forks Availability.

Option Availability

●...Standard ○...Option

		35-50		35-50 Diesel
		Dual	LPG	
Hydraulic control system	2 spool valve	●	●	●
	3 spool valve	○	○	○
	4 spool valve	○	○	○
	5 spool valve*	○	○	○
	Electric control 2 spool valve	○	○	○
	Electric control 3 spool valve	○	○	○
	Electric control 4 spool valve	○	○	○
	Single control lever	○	○	○
	Double control lever	●	●	●
	FINGERTIP control (Single type)	○	○	○
	FINGERTIP control (Double type)	○	○	○
	3 spool piping to carriage	○	○	○
	4 spool piping to carriage	○	○	○
	Quick release type piping connector	○	○	○
	Smooth-run System	○	○	○
Tool kit	Tool kit	○	○	○
	Tool kit with jack	○	○	○
Special application	Special color	○	○	○
	Rustproof specification	○	○	○
	Dustproof specification	○	○	○
	Dust cover specification	○	○	○
	Low noise specification	○	○	○
	Cold area specification	○	○	○
Label	English	●	●	●
	German	○	○	○
	French	○	○	○
	Spanish	○	○	○
Attachment	Side shift	○	○	○

*Available as special arrangement option. Takes a longer delivery time than other spool valves.

Forks Availability

●...Standard ○...Option

Length mm \ Model		1F4		
		35-40	45	50
Fork	Without forks	○	○	○
	1070	●	●	—
	1220	○	○	●
	1370	○	○	○
	1520	○	○	○
	1820	○	○	○
	1970	○	○	○
	2120	○	○	○

Fork Dimensions

	Width [W] x Thickness [T] mm				
	1F4				
	35-40	45	50		
1070	150 * 50	150 * 55	—		
1220			150 * 60		
1370					
1520			150 * 60		
1800	150 * 55				
2000					
2200					

Carriage & Backrest Dimensions

■ CARRIAGE		Unit: mm	
Model		1F4 35-45	1F4 50
Class		Class	
		III	IV
Number of Rollers (No. of side rollers not included)		6	6
Carriage Width [W] mm	Standard	1200	
	Wide	1400	
Max. Fork Spread mm	Standard	1185	
	Wide	1385	

■ BACKREST		Unit: mm
Model		1F4
Backrest Height [H] mm	Standard	1100
	High Backrest	1300
	Wide & High Backrest	1300
	Standard & High Backrest	1200
Outside width of backrest [L] mm	Wide & High Backrest	1400
	Backrest	1400
Plate Thickness [T] mm		12

Tire Size

●...Standard ○...Option

Tire		Model	1F4			
			35	40	45	50
Front	Single	Tire Size (STD)	8.25-15-12PR	300-15-18PR	300-15-18PR	300-15-18PR
		Rim Size (STD)	6.50Tx15	8.00Vx15	8.00Vx15	8.00Vx15
		Type	J-lug (Textile)	●	●	●
			Snow Tire	○	○	○
			Solid Tire	○	○	○
			AirBoss Tire	—	—	—
	Double	Tire Size (STD)	7.50-16-12PR	7.50-16-12PR	7.50-16-12PR	7.50-16-12PR
		Rim Size (STD)	6.00GSx16	6.00GSx16	6.00GSx16	6.00GSx16
		Type	J-lug (Textile)	○	○	○
			Snow Tire	○	○	○
			Solid Tire	○	○	○
			AirBoss Tire	—	—	—
	Special double	Tire Size (STD)	8.25-15-12PR	8.25-15-12PR	8.25-15-12PR	8.25-15-12PR
		Rim Size (STD)	6.50Tx15	6.50Tx15	6.50Tx15	6.50Tx15
		Type	J-lug (Textile)	○	○	○
			Snow Tire	○	○	○
			Solid Tire	○	○	○
			AirBoss Tire	—	—	—
Rear	Single	Tire Size (STD)	7.00-12-12PR	7.00-12-12PR	7.00-12-14PR	7.00-12-14PR
		Rim Size (STD)	5.00Sx12	5.00Sx12	5.00Sx12	5.00Sx12
		Type	J-lug (Textile)	●	●	●
			Snow Tire	○	○	○
			Solid Tire	○	○	○
			AirBoss Tire	○	○	○

Tool Options

			1F4
Tool kit	Wrench	8 x 10	○
		12 x 14	○
		14 x 17	○
	Screwdrivers		○
	Wheel nut wrench		○
	Puller		—
	Tool bag		○
Jack			○*

*Jack is available by separate request.

Unit Specification

			J(G)1F4
ENGINE SYSTEM	Model		TB45
	Classification	ECCS	ECCS
		Gasoline/LPG	LPG
	Cycle		4
	Type		6 cylinder in-line OHV
	Displacement	cm ³	4478
	Bore x Stroke	mm	99.5 * 96.0
	Compression ratio		8.5
	Air cleaner		Cyclone type, dry element
	Governor		Electronic control type
	Oil filter		Paper element type
	Oil pump		Gear type
	Injection pump		-
	Fuel pump		Electric type
	Water pump		Centrifuge type
	Radiator		Corrugated fin
	Battery		12V-55AH
	Alternator		12V-50AH
	Starter motor		12V-1.4kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type	3-element, 1-stage, 2-phase
		Transmission type	Constant mesh, Power shift, One forward, One reverse speed. (Option: Two forward, One reverse speed) Wet multi-disc hydraulic clutch.
STEERING SYSTEM	Type		Fully hydrostatic power steering
	Steering unit		ORBITROL
	Power cylinder		Mounted on steering axle
	Steering wheel		Tilting type
DRIVE AXLE	Type		Propeller shaft type
	Final gear		Hypoid gear
STEERING AXLE	Type		Center pin system
	Suspension system		Rubber brushing mounted
BRAKE SYSTEM	Service brake		Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake		Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure		Integral, All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standards
	Fuel tank		120 liters (3.5-4.5 ton) / 135 liters (5.0 ton)
	Hydraulic oil tank		64 liters (3.5-4.0 ton) / 76 liters (4.5-5.0 ton) Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type, used for hoisting and power steering
	Control valve		Sectional type with tilt lock valve
	Lift cylinder		With flow regulator valve
	Oil filter		150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		Class III / Class IV
	Forks		Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)		Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / LPG fuel warning /
	Warning lamp (LED)		Multipurpose warning / Check engine warning / Oil pressure warning / Charge warning / Brake warning / Seatbelt warning
	Switch & knob		Lighting switch / Starter switch

Unit Specification

		W(G)1F4
ENGINE SYSTEM	Model	TD42
	Classification	Diesel
	Cycle	4
	Type	6 cylinder in-line OHV
	Displacement cm^3	4169
	Bore x Stroke mm	96 * 96
	Compression ratio	23.1
	Air cleaner	Cyclone type, dry element
	Governor	Mechanical type
	Oil filter	Cartridge type
	Oil pump	Gear type
	Injection pump	Bosch VE type
	Fuel pump	Vane type
	Water pump	Centrifugal type
	Radiator	Corrugated fin
	Battery	12V-64AH
	Alternator	12V-60AH
	Starter motor	12V-3.5kW (Reduction type)
TRANSMISSION	Automatic	Torque converter type
		3-element, 1-stage, 2-phase
		Transmission type
		Constant mesh, Power shift, One forward, One reverse speed. (Option: Two forward, One reverse speed) Wet multi-disc hydraulic clutch.
STEERING SYSTEM	Type	Fully hydrostatic power steering
	Steering unit	ORBITROL
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilting type
DRIVE AXLE	Type	Propeller shaft type
	Final gear	Hypoid gear
STEERING AXLE	Type	Center pin system
	Suspension system	Rubber brushing mounted
BRAKE SYSTEM	Service brake	Hydraulic, Duo-servo with auto-adjuster. Operates on drive wheels
	Parking brake	Dead point rock type, Mechanically operates on drive wheels
FRAME & BODY	Frame structure	Integral, All welded frame
	Overhead guard	Strength conforms to ISO, ANSI standards
	Fuel tank	120 liters (3.5-4.5 ton) / 135 liters (5.0 ton)
	Hydraulic oil tank	64 liters (3.5-4.5 ton) / 76 liters (4.5-5.0 ton) Upper limit on level gauge
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, used for hoisting and power steering
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	With flow regulator valve
	Oil filter	150 mesh suction filter, 20 micron filter on the return circuit
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing
	Carriage	Class III / Class IV
	Forks	Forged alloy steel, Hook type, Conforms to ITA standards
INSTRUMENTS	Gauge & meter (LCD)	Directional indicator / Fuel & water temperature gauge / Hour meter / Clock/calendar / Speedometer / Torque converter oil temperature warning / Mast lock warning / A/T power cut-off warning / LPG fuel warning /
	Warning lamp (LED)	Multipurpose warning / Check engine warning / Oil pressure warning / Charge warning / Brake warning / Seatbelt warning
	Switch & knob	Lighting switch / Starter switch

ZX Series

1F6

6.0

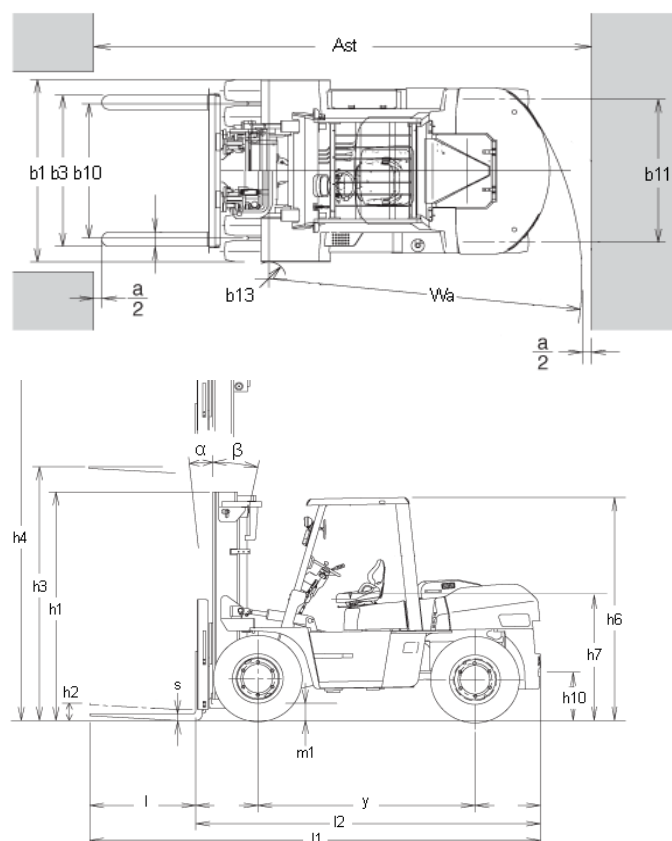


8.0 ton

at 600mm

Load Center

Dimensions



Mast Specifications & Rated Capacities

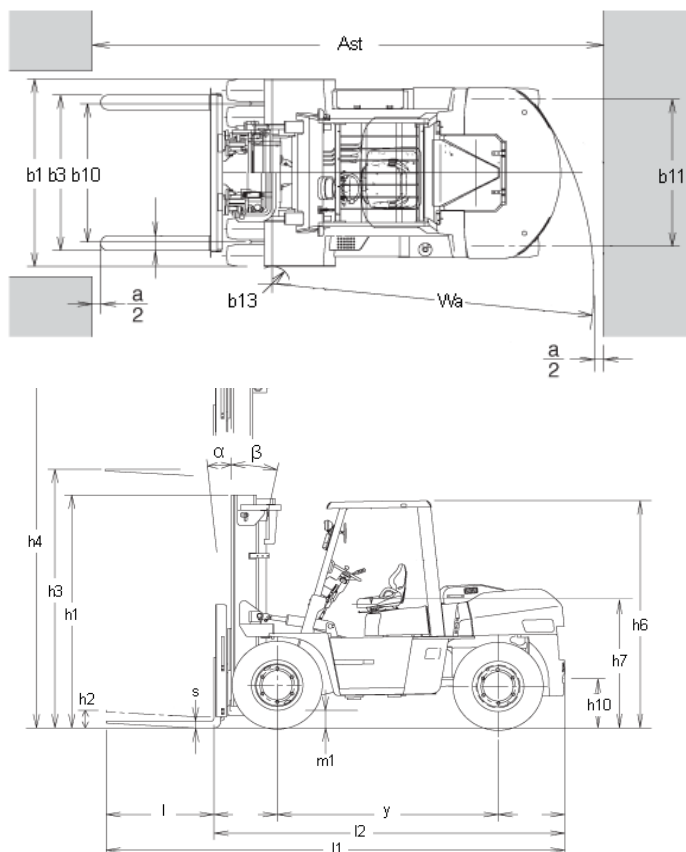
ZX-60

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity		
			Fully lowered	With STD backrest		Without backrest	With STD backrest		Without backrest	With STD backrest	Forward/backward	Load centre
				Without backrest	With STD backrest							6.0 tonne
		mm	mm	mm	mm	mm	mm	mm	deg	kg		
Two stage (Wide view 2W)	2W 250	2500	2250	3595	3920	205	205	615	6/12	6000		
	2W 270	2700	2350	3795	4120				6/12	6000		
	2W 275	2750	2375	3845	4170				6/12	6000		
	2W 300	3000	2500	4095	4420				6/12	6000		
	2W 330	3300	2650	4395	4720				6/12	6000		
	2W 350	3500	2750	4595	4920				6/12	6000		
	2W 400	4000	3050	5095	5420				6/12	6000		
	2W 450	4500	3300	5595	5920				6/12	6000		
	2W 500	5000	3500	6095	6420				6/6	6000		
	2W 550	5500	3850	6595	6920				3/6	5700		
	2W 600	6000	4100	7095	7420				3/6	5400		
Two stage (Full free 2F)	2F 250	2500	2250	3595	3920	1205	880	615	6/12	6000		
	2F 270	2700	2350	3795	4120	1305	980		6/12	6000		
	2F 275	2750	2375	3845	4170	1330	1005		6/12	6000		
	2F 300	3000	2625	4095	4420	1580	1255		6/12	6000		
	2F 330	3300	2775	4395	4720	1730	1405		6/12	6000		
	2F 350	3500	2875	4595	4920	1830	1505		6/12	6000		
	2F 400	4000	3175	5095	5420	2130	1805		6/12	6000		
	2F 450	4500	3425	5595	5920	2380	2055		6/12	6000		
Three stage (Full free 3F)	3F 360	3600	2375	4675	5000	1330	1005	655	6/10	5500		
	3F 400	4000	2500	5075	5400	1455	1130		6/10	5500		
	3F 435	4350	2625	5425	5750	1580	1255		6/10	5500		
	3F 480	4800	2775	5875	6200	1730	1405		6/10	5500		
	3F 500	5000	2875	6075	6400	1830	1505		6/10	5500		
	3F 600	6000	3300	7075	7400	2255	1930		3/6	5000		
	3F 700	7000	3675	8075	8400	2630	2305		3/6	3500		
	3F 800	8000	4100	9075	9400	3055	2730		3/6	2200		

Main Truck Specifications

Item				ZX-60
CHARACTERISTICS	1.1	Manufacturer		Nissan Forklift
	1.2	Model code		L1F6F60Y
	1.3	Power unit		Common rail turbo diesel
	1.4	Operation		Sit
	1.5	Load capacity	Q (t)	6.0
	1.6	Load centre	c (mm)	600
	1.8	Front overhang	x (mm)	615
	1.9	Wheel base	y (mm)	2250
WEIGHTS	2.1	Service weight	kg	8800
	2.2	Axle load with load, front/rear	kg	13150/1650
	2.3	Axle load without load, front/rear	kg	3910/4890
WHEELS & TYRES	3.1	Tyres front/rear		Pneumatic
	3.2	Tyre size, front		8.25x15-14PR
	3.3	Tyre size, rear		8.25x15-14PR
	3.5	Wheels, number front/rear (x=powered)		4x/2
	3.6	Tread, front	b10(mm)	1470
	3.7	Tread, rear	b11(mm)	1700
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	2500
	4.3	Free lift	h2 (mm)	205
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4420
	4.7	Overhead guard height	h6 (mm)	2530
	4.8	Seat height/Standing height	h7 (mm)	1390
	4.12	Towing coupler height	h10 (mm)	485
	4.19	Overall length	l1 (mm)	4785
	4.20	Length to fork face	l2 (mm)	3565
	4.21	Overall width	b1(mm)	1995
	4.22	Fork dimensions	s/e/l (mm)	60x150x1220
	4.23	Carriage DIN 15173, Class / Form A,B		4A
	4.24	Carriage width	b3 (mm)	1835
	4.31	Mast underclearance loaded	m1 (mm)	195
	4.32	Underclearance centre wheelbase	m2 (mm)	245
	4.33	Aisle width for pallets with standard fork length	Ast (mm)	5355
	4.35	Turning radius	Wa (mm)	3320
	4.36	Turning radius, inner	b13 (mm)	200
PERFORMANCE	5.1	Travelling speed with/without load	km/h	29/31
	5.2	Lifting speed with/without load	mm/s	500/520
	5.3	Lowering speed with/without load	mm/s	450/500
	5.5	Drawbar pull with/without load	kN	54.9/21.6
	5.7	Gradeability with/without load	%	31/20
	5.9	Acceleration with/without load	s	-
	5.10	Service brake		Hydraulic
DRIVE	7.1	Engine manufacturer/type		ISUZU 4HK1-TC
	7.2	Engine rated power according ISO 1585	kW	87.0
	7.3	Rated engine revolutions	min-1	2000
	7.4	Number of cylinders/Displacement	cm3	4/5193
	7.5	Fuel consumption according VDI cycle	kg/h	-
OTHERS	8.1	Type of drive control		Power shift: 2 forward / 2 reverse
	8.2	Working pressure attachments	bar	200
	8.3	Oil flow for attachment	l/min	-
	8.4	Noise level operator's ear according EN 12053	dB(A)	85

Dimensions



Mast Specifications & Rated Capacities

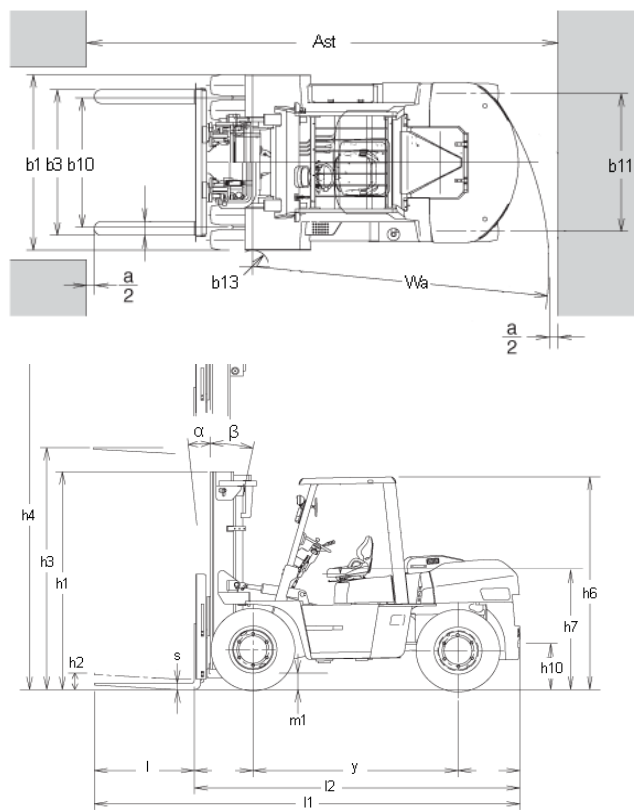
ZX-70

Mast type	Mast name	Max. fork height	Overall height			Free lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	With STD backrest		Without backrest	With STD backrest		Forward/backward	Load centre
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	mm		kg
Two satage (Wide view 2W)	2W 250	2500	2250	3595	3920	215	215	625	6/12	7000
	2W 270	2700	2350	3795	4120				6/12	7000
	2W 275	2750	2375	3845	4170				6/12	7000
	2W 300	3000	2500	4095	4420				6/12	7000
	2W 330	3300	2650	4395	4720				6/12	7000
	2W 350	3500	2750	4595	4920				6/12	7000
	2W 400	4000	3050	5095	5420				6/12	7000
	2W 450	4500	3300	5595	5920				6/12	7000
	2W 500	5000	3500	6095	6420				6/6	7000
	2W 550	5500	3850	6595	6920				3/6	6600
	2W 600	6000	4100	7095	7420				3/6	6400
Two stage (Full free 2F)	2F 250	2500	2250	3595	3920	1205	880	625	6/12	7000
	2F 270	2700	2350	3795	4120	1305	980		6/12	7000
	2F 275	2750	2375	3845	4170	1330	1005		6/12	7000
	2F 300	3000	2625	4095	4420	1580	1255		6/12	7000
	2F 330	3300	2775	4395	4720	1730	1405		6/12	7000
	2F 350	3500	2875	4595	4920	1830	1505		6/12	7000
	2F 400	4000	3175	5095	5420	2130	1805		6/12	7000
	2F 450	4500	3425	5595	5920	2380	2055		6/12	7000
Three stage (Full free 3F)	3F 360	3600	2375	4675	5000	1330	1005	665	6/10	6200
	3F 400	4000	2500	5075	5400	1455	1130		6/10	6200
	3F 435	4350	2625	5425	5750	1580	1255		6/10	6200
	3F 480	4800	2775	5875	6200	1730	1405		6/10	6200
	3F 500	5000	2875	6075	6400	1830	1505		6/10	6200
	3F 600	6000	3300	7075	7400	2255	1930		3/6	5500
	3F 700	7000	3675	8075	8400	2630	2305		3/6	3700
	3F 800	8000	4100	9075	9400	3055	2730		3/6	2300

Main Truck Specifications

Item				ZX-70
CHARACTERISTICS	1.1	Manufacturer		Nissan Forklift
	1.2	Model code		L1F6F70Y
	1.3	Power unit		Common rail turbo diesel
	1.4	Operation		Sit
	1.5	Load capacity	Q (t)	7.0
	1.6	Load centre	c (mm)	600
	1.8	Front overhang	x (mm)	625
	1.9	Wheel base	y (mm)	2250
WEIGHTS	2.1	Service weight	kg	9580
	2.2	Axle load with load, front/rear	kg	14670/1910
	2.3	Axle load without load, front/rear	kg	3860/5720
WHEELS & TYRES	3.1	Tyres front/rear		Pneumatic
	3.2	Tyre size, front		8.25x15-14PR
	3.3	Tyre size, rear		8.25x15-14PR
	3.5	Wheels, number front/rear (x=powered)		4x/2
	3.6	Tread, front	b10(mm)	1470
	3.7	Tread, rear	b11(mm)	1700
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	2500
	4.3	Free lift	h2 (mm)	205
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4420
	4.7	Overhead guard height	h6 (mm)	2530
	4.8	Seat height/Standing height	h7 (mm)	1390
	4.12	Towing coupler height	h10 (mm)	485
	4.19	Overall length	l1 (mm)	4860
	4.20	Length to fork face	l2 (mm)	3640
	4.21	Overall width	b1(mm)	1995
	4.22	Fork dimensions	s/e/l (mm)	70x150x1220
	4.23	Carriage DIN 15173, Class / Form A,B		4A
	4.24	Carriage width	b3 (mm)	1835
	4.31	Mast underclearance loaded	m1 (mm)	195
	4.32	Underclearance centre wheelbase	m2 (mm)	245
	4.33	Aisle width for pallets with standard fork length	Ast (mm)	5425
	4.35	Turning radius	Wa (mm)	3380
	4.36	Turning radius, inner	b13 (mm)	200
PERFORMANCE	5.1	Travelling speed with/without load	km/h	29/31
	5.2	Lifting speed with/without load	mm/s	500/520
	5.3	Lowering speed with/without load	mm/s	450/500
	5.5	Drawbar pull with/without load	kN	54.9/21.6
	5.7	Gradeability with/without load	%	31/16
	5.9	Acceleration with/without load	s	-
	5.10	Service brake		Hydraulic
DRIVE	7.1	Engine manufacturer/type		ISUZU 4HK1-TC
	7.2	Engine rated power according ISO 1585	kW	87.0
	7.3	Rated engine revolutions	min-1	2000
	7.4	Number of cylinders/Displacement	cm3	4/5193
	7.5	Fuel consumption according VDI cycle	kg/h	-
OTHERS	8.1	Type of drive control		Power shift: 2 forward / 2 reverse
	8.2	Working pressure attachments	bar	200
	8.3	Oil flow for attachment	l/min	-
	8.4	Noise level operator's ear according EN 12053	dB(A)	85

Main Truck Specifications



Mast Specifications & Rated Capacities

ZX-80

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	With STDbackrest		Without backrest	With STD backrest		Forward/backward	Load centre
				Without backrest	With STD backrest					8.0 tonne
		mm	mm	mm	mm	mm	mm	mm	deg	kg
Two satage (Wide view 2W)	2W 250	2500	2450	3715	3920	205	205	720	6/12	8000
	2W 270	2700	2550	3915	4120				6/12	8000
	2W 275	2750	2575	3965	4170				6/12	8000
	2W 300	3000	2700	4215	4420				6/12	8000
	2W 330	3300	2850	4515	4720				6/12	8000
	2W 350	3500	2950	4715	4920				6/12	8000
	2W 400	4000	3250	5215	5420				6/12	8000
	2W 450	4500	3500	5715	5920				6/12	8000
	2W 500	5000	3750	6215	6420				3/6	7750
	2W 550	5500	4050	6715	6920				3/6	7400
	2W 600	6000	4300	7215	7420				3/6	7000
Two stage (Full free 2F)	2F 250	2500	2450	3715	3920	1300	1095	720	6/12	8000
	2F 270	2700	2550	3915	4120	1400	1195		6/12	8000
	2F 275	2750	2575	3965	4170	1425	1220		6/12	8000
	2F 300	3000	2700	4215	4420	1550	1345		6/12	8000
	2F 330	3300	2850	4515	4720	1700	1495		6/12	8000
	2F 350	3500	2950	4715	4920	1800	1595		6/12	8000
	2F 400	4000	3250	5215	5420	2100	1895		6/12	8000
	2F 450	4500	3500	5715	5920	2350	2145		6/12	8000
Three stage (Full free 3F)	3F 360	3600	2450	4795	5000	1300	1095	760	6/10	7000
	3F 400	4000	2575	5195	5400	1425	1220		6/10	7000
	3F 435	4350	2700	5545	5750	1550	1345		6/10	7000
	3F 480	4800	2850	5995	6200	1700	1495		6/10	7000
	3F 500	5000	2950	6195	6400	1795	1590		6/10	7000
	3F 600	6000	3375	7195	7400	2225	2020		3/6	6000
	3F 700	7000	3750	8195	8400	2600	2395		3/6	4500
	3F 800	8000	4175	9195	9400	3025	2820		3/6	2500

Main Truck Specifications

Item				ZX-80
CHARACTERISTICS	1.1	Manufacturer		Nissan Forklift
	1.2	Model code		L1F6F80Y
	1.3	Power unit		Common rail turbo diesel
	1.4	Operation		Sit
	1.5	Load capacity	Q (t)	8.0
	1.6	Load centre	c (mm)	600
	1.8	Front overhang	x (mm)	720
	1.9	Wheel base	y (mm)	2500
WEIGHTS	2.1	Service weight	kg	11230
	2.2	Axle load with load, front/rear	kg	17120/2110
	2.3	Axle load without load, front/rear	kg	4900/6330
WHEELS & TYRES	3.1	Tyres front/rear		Pneumatic
	3.2	Tyre size, front		9.00x20-12PR
	3.3	Tyre size, rear		9.00x20-12PR
	3.5	Wheels, number front/rear (x=powered)		4x/2
	3.6	Tread, front	b10(mm)	1600
	3.7	Tread, rear	b11(mm)	1700
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	6/12
	4.2	Height mast fully lowered	h1 (mm)	2700
	4.3	Free lift	h2 (mm)	205
	4.4	Lift height	h3 (mm)	3000
	4.5	Height mast fully extended	h4 (mm)	4420
	4.7	Overhead guard height	h6 (mm)	2640
	4.8	Seat height/Standing height	h7 (mm)	1500
	4.12	Towing coupler height	h10 (mm)	570
	4.19	Overall length	l1 (mm)	5200
	4.20	Length to fork face	l2 (mm)	3980
	4.21	Overall width	b1(mm)	2165
	4.22	Fork dimensions	s/e/l (mm)	75x180x1220
	4.23	Carriage DIN 15173, Class / Form A,B		4A
	4.24	Carriage width	b3 (mm)	2000
	4.31	Mast underclearance loaded	m1 (mm)	245
	4.32	Underclearance centre wheelbase	m2 (mm)	325
	4.33	Aisle width for pallets with standard fork length	Ast (mm)	5770
	4.35	Turning radius	Wa (mm)	3630
	4.36	Turning radius, inner	b13 (mm)	200
PERFORMANCE	5.1	Travelling speed with/without load	km/h	28.5/32
	5.2	Lifting speed with/without load	mm/s	450/470
	5.3	Lowering speed with/without load	mm/s	450/450
	5.5	Drawbar pull with/without load	kN	59.8/27.5
	5.7	Gradeability with/without load	%	28/20
	5.9	Acceleration with/without load	s	
	5.10	Service brake		Hydraulic
DRIVE	7.1	Engine manufacturer/type		ISUZU 4HK1-TC
	7.2	Engine rated power according ISO 1585	kW	87.0
	7.3	Rated engine revolutions	min-1	2000
	7.4	Number of cylinders/Displacement	cm3	4/5193
	7.5	Fuel consumption according VDI cycle	kg/h	
OTHERS	8.1	Type of drive control		Power shift: 2 forward / 2 reverse
	8.2	Working pressure attachments	bar	200
	8.3	Oil flow for attachment	l/min	
	8.4	Noise level operator's ear according EN 12053	dB(A)	85

Loading Capacity

ZX-60 <FORKS>

Unit: kg

Load Center Mast Name		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Double Tires (Pnaumatic or Super Elastic)	2W250	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W270	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W275	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W300	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W330	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W350	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W400	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W450	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W500	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2W550	5700	5250	4870	4550	4260	4010	3780	3580	3400	3240	3090
	2W600	5400	4980	4620	4310	4040	3800	3580	3400	3220	3070	2930
	2F250	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F270	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F275	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F300	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F330	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F350	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F400	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	2F450	6000	5530	5130	4790	4490	4220	3980	3770	3580	3410	3260
	3F360	5500	5090	4730	4420	4150	3910	3700	3510	3340	3180	3040
	3F400	5500	5090	4730	4420	4150	3910	3700	3510	3340	3180	3040
	3F435	5500	5090	4730	4420	4150	3910	3700	3510	3340	3180	3040
	3F480	5500	5090	4730	4420	4150	3910	3700	3510	3340	3180	3040
	3F500	5500	5090	4730	4420	4150	3910	3700	3510	3340	3180	3040
	3F600	5000	4620	4300	4020	3770	3560	3360	3190	3030	2890	2760
	3F700	3500	3240	3010	2810	2640	2490	2350	2230	2120	2020	1930
	3F800	2200	2030	1890	1770	1660	1560	1480	1400	1330	1270	1210

Loading Capacity

ZX-70 <FORKS>

Load Center Mast Name		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Double Tires (Pneumatic or Super Elastic)	2W250	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W270	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W275	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W300	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W330	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W350	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W400	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W450	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W500	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2W550	6600	6090	5650	5270	4940	4650	4390	4160	3950	3760	3590
	2W600	6400	5900	5480	5110	4790	4510	4260	4030	3830	3650	3480
	2F250	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F270	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F275	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F300	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F330	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F350	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F400	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	2F450	7000	6450	5990	5590	5240	4930	4660	4410	4190	3990	3810
	3F360	6200	5740	5340	5020	4690	4420	4180	3970	3780	3600	3440
	3F400	6200	5740	5340	5020	4690	4420	4180	3970	3780	3600	3440
	3F435	6200	5740	5340	5020	4690	4420	4180	3970	3780	3600	3440
	3F480	6200	5740	5340	5020	4690	4420	4180	3970	3780	3600	3440
	3F500	6200	5740	5340	5020	4690	4420	4180	3970	3780	3600	3440
	3F600	5500	5090	4740	4430	4160	3920	3710	3520	3350	3190	3050
	3F700	3700	3420	3190	2980	2800	2640	2500	2370	2250	2150	2050
	3F800	2300	2130	1980	1850	1740	1640	1550	1470	1400	1330	1270

Loading Capacity

ZX-80 <FORKS>

Load Center Mast Name		600	700	800	900	1000	1100	1200	1300	1400	1500	1600
Double Tires (Pneumatic or Super Elastic)	2W250	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W270	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W275	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W300	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W330	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W350	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W400	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W450	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2W500	7750	7190	6710	6290	5920	5590	5300	5030	4790	4570	4380
	2W550	7400	6870	6410	6010	5650	5340	5060	4810	4580	4370	4180
	2W600	7000	6500	6060	5680	5350	5050	4780	4550	4330	4130	3950
	2F250	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F270	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F275	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F300	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F330	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F350	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F400	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	2F450	8000	7420	6930	6500	6110	5770	5470	5200	4950	4720	4520
	3F360	7000	6510	6090	5720	5390	5100	4840	4600	4380	4190	4010
	3F400	7000	6510	6090	5720	5390	5100	4840	4600	4380	4190	4010
	3F435	7000	6510	6090	5720	5390	5100	4840	4600	4380	4190	4010
	3F480	7000	6510	6090	5720	5390	5100	4840	4600	4380	4190	4010
	3F500	7000	6510	6090	5720	5390	5100	4840	4600	4380	4190	4010
	3F600	6000	5580	5220	4900	4620	4370	4140	3940	3760	3590	3440
	3F700	4500	4190	3910	3670	3460	3280	3110	2950	2820	2690	2580
	3F800	2500	2330	2170	2040	1920	1820	1720	1640	1560	1490	1430

Truck Weight

Unit: kg

Mast Type	Mast Name	L1F6		
		60	70	80
Two stage (Wide view 2W)	2W300	8800	9580	11230
	2W330	8850	9630	11290
	2W350	8880	9660	11330
	2W400	9070	9850	11560
	2W450	9160	9940	11650
	2W500	9270	10050	11750
	2W550	9470	10250	11990
	2W600	9550	10330	12100
Two stage (Full Free 2F)	2F300	8925	9685	11240
	2F330	8975	9735	11285
	2F350	9005	9765	11320
	2F400	9205	9965	11450
	2F450	9285	10045	11640
Three stage (Full Free 3F)	3F400	9425	10185	11870
	3F435	9505	10265	11930
	3F480	9585	10345	12010
	3F500	9640	10400	12075
	3F600	10000	10760	12440
	3F700	10185	10945	12645
	3F800	10510	11270	13395
Truck Weight without mast		6840	7550	8690

Additional Truck Weight

■TIRE WEIGHT

Unit:kg

Model (Capacity code)			60	70	80
Front	Double	Pneumatic J-lug	±0	±0	±0
		Super Elastic	+240	+240	+430
Rear	Single	Pneumatic J-lug	±0	±0	±0
		Super Elastic	+140	+140	+220

■FORKS

Unit:kg

Model (Capacity code)		60	70	80
Fork Length mm	Without forks	-250	-300	-370
	1370	280	320	390
	1520	290	330	410
	1670	340	360	440
	1820	350	370	460
	1970	370	390	480
	2120	390	450	510
	2270	440	460	530
	2420	450	480	550

■CARRIAGE & BACKREST

Unit:kg

Model (Capacity code)		60	70	80
Wide	With Backrest	505	535	695
	Without Backrest	440	480	620
Extra wide	With Backrest	760	760	910
	Without Backrest	680	680	830

Option Availability

			●...Standard ○...Option		
			1 F6 60	1 F6 70	1 F6 80
Powertrain	Powertrain floating		●	●	●
Engine	Common rail turbo diesel with intercooler		●	●	●
Radiator	Corrugated fin type radiator		●	●	●
	Radiator screen		○	○	○
	Oil cooler (Separate type)		●	●	●
	50% density non-amine engine cooling fluid		●	●	●
Muffler	Standard muffler		●	●	●
	Overhead exhaust muffler		○	○	○
Air cleaner	Pre-air cleaner		○	○	○
	Double element air cleaner		○	○	○
	Cyclone air cleaner under engine hood		●	●	●
Instruments	Meter	Glow plug indicator	●	●	●
		Check engine warning	●	●	●
		Oil pressure warning	●	●	●
		Charge warning	●	●	●
		Brake warning	●	●	●
		Neutral light	●	●	●
		Fuel & water temperature gauges	●	●	●
		Hour meter	●	●	●
		Interlock warning	●	●	●
		Fuel warning	●	●	●
		Torque converter oil temp. meter	○	○	○
		Torque converter oil pressure meter	○	○	○
		Speedometer	○	○	○
		O.K. Monitor			
		Aircleaner clogging	○	○	○
		Seatbelt warning			
		Electrolyte level			
		Engine coolant level			
Warning buzzer	Back-up buzzer		●	●	●
	Back-up buzzer - high volume		○	○	○

Option Availability

		●...Standard ○...Option		
		1 F6 60	1 F6 70	1 F6 80
Lights	Head lights (Without guard)	●	●	●
	Head lights (With guard)	○	○	○
	Rear combination lamps	●	●	●
	Rear working light	○	○	○
	Rotating beacon light (yellow)	○	○	○
F/R lever	At right hand side of steering column	○	○	○
Brake	Toggle joint type parking brake with warning buzzer	●	●	●
Tires	J-lug pneumatic tires	●	●	●
	Solid tire (Super Elastic type)	○	○	○
Body	Rain guard (Vinyl type)	●	●	●
	Rearview mirrors (Both sides)	●	●	●
Seat	Adjustable seat with belt	●	●	●
Mast	2W mast - two stage with wide view	●	●	●
	2F mast - two stage with full free lifting	○	○	○
	3F mast - three stage with full free lifting	○	○	○
	Without mast	○	○	○
	Tilt cylinder boots	○	○	○
	Mast tilt gauge	○	○	○
Carriage & Backrest	Standard carriage	●	●	●
	Extra wide carriage	○	○	○
	Load backrest for STD carriage	●	●	●
	Load backrest for extra wide carriage	○	○	○
	Without backrest	○	○	○
Fork	1220 mm forks	●	●	○
	1370 mm forks	○	○	●
	Without forks	○	○	○
Steering system	Steering wheel with tilt adjustment	●	●	●
	Steering synchronizer	○	○	○
Hydraulic control system	2 spool valve	●	●	●
	3 spool valve (3SV)	○	○	○
	4 spool valve (4SV)	○	○	○
	5 spool valve (5SV)	○	○	○
	Finger tip control system for 2 spool valve	○	○	○
	Finger tip control system for 3 spool valve	○	○	○
	Finger tip control system for 4 spool valve	○	○	○
	Additional hoses for 3SV	○	○	○
	Additional hoses for 4SV	○	○	○
Tool kit	Tool kit	○	○	○
Special application	Special color painting 1 color	○	○	○
	Special color painting 2 color	○	○	○
	Special color painting 3 color	○	○	○
Attachment	Side shifter	○	○	○

Fork Availability

●...Standard ○...Option				
Model		1 F6		
		60	70	80
Fork length mm	Without forks	○	○	○
	1220	●	●	N/A
	1370	○	○	●
	1520	○	○	○
	1670	○	○	○
	1820	○	○	○
	1970	○	○	○
	2120	○	○	○
	2270	○	○	○
	2420	○	○	○

Fork Dimensions

Length mm	Width [W] x Thickness [T] mm		
	1 F6		
	60	70	80
1220	150 x 60	150 x 70	180 x 75
1370			
1520			
1670			
1820	150 x 65	150 x 75	180 x 75
1970			
2120	150 x 70	150 x 75	180 x 75
2270			
2420			

Carriage & Backrest Dimensions

■CARRIAGE		Unit:mm		
Model		1F6		
		60	70	80
Class		IV		
Number of Rollers (Lateral rollers not included)		4	6	4
Carriage Width [W]	Wide	1845		2000
	Extra wide	2400		2400
	mm			
Max. Fork Spread mm	Wide	1835		1950
	Extra wide	2390		2390

■BACKREST		Unit:mm		
Model		1F6		
		60	70	80
Backrest Height [H] mm				
	Wide	1370	1365	1360
	Extra wide	1370	1365	1360
Backrest Width (L) mm				
	Wide	1995		2165
	Extra wide	2560		2560
Plate Thickness [T] mm		9		9

Tire Size

●...Standard ○...Option

Tire			Model	1F6		
				60	70	80
Front	Double	Tire Size (STD)		8.25-15-1 4 PR	8.25-15-1 4 PR	900-20-12PR
		Rim Size (STD)		6.50Tx15	6.50Tx15	7.00Tx20
		Type	J-lug (Textile)	●	●	●
			Solid Tire	○	○	○
Rear	Single	Tire Size (STD)		8.25-15-1 4 PR	8.25-15-1 4 PR	900-20-12PR
		Rim Size (STD)		6.50Tx15	6.50Tx15	7.00Tx20
		Type	J-lug (Textile)	●	●	●
			Solid Tire	○	○	○

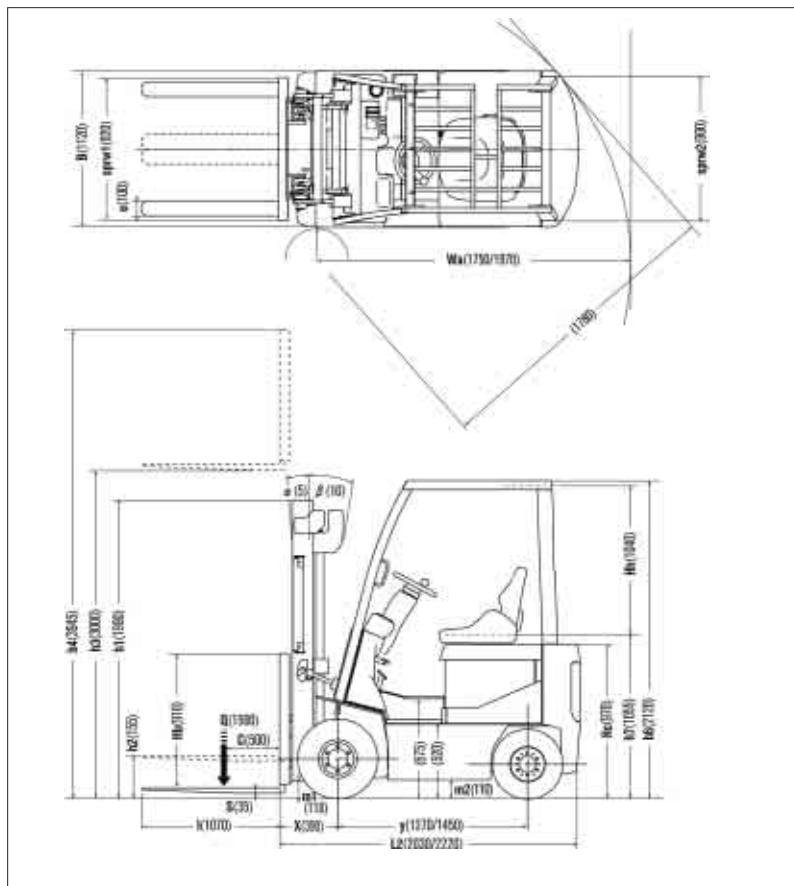
Unit Specification

1F6		
ENGINE SYSTEM	Model	ISUZU 4HK1-TC
	Classification	Diesel
	Cycle	4
	Type	4 cylinder common rail turbo diesel intercooler
	Displacement (cc)	5193
	Bore x Stroke (mm)	115×125
	Compression ratio	17.5
	Air cleaner	Donaldson cyclone aircleaner
	Governor	Electronic variable speed control
	Oil filter	Paper element type
	Oil pump	Gear type
	Injection pump	Electric common rail type
	Fuel pump	Rotary type
	Water pump	Impeller type
	Radiator	Corrugated fin
	Battery	24V (2 x 70Ah)
	Alternator	A/C type (Regulator type, Brushless) 24V / 50A
	Starter motor	Electromagnetic pinion shaft, Reduction type 24V / 5 kW
TRANSMISSION	Automatic	Torque converter type
		3-element, 1-stage, 2-phase
		Transmission type
		Automatic power shift (2 stage forward/reverse)
STEERING SYSTEM	Type	Full hydrostatic power steering
	Steering unit	Orbitrol
	Power cylinder	Mounted on steering axle
	Steering wheel	Tilt adjustable steering column
DRIVE AXLE	Type	Full floating type
STEERING AXLE	Type	Built-in hydraulic cylinder type
BRAKE SYSTEM	Service brake	Front wheel hydraulic powered drum brakes
	Parking brake	Internal expansion type, on transmission output shaft
FRAME & BODY	Frame structure	Fully welded box section type, with built in tanks
	Overhead guard	5-piece reinforced overhead guard
	Fuel tank	Built in frame
	Hydraulic oil tank	Built in frame, 75 liter
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type, transmission power take off
	Control valve	Sectional type with tilt lock valve
	Lift cylinder	Single action piston type
	Oil filter	Suction filter type
LOADING SYSTEM	Mast	Roller type, telescopic mast
	Carriage	Class IV
	Forks	Forged alloy steel, hook type
INSTRUMENTS	Gauge & meter	Fuel & water temperature gauge / Hour meter
	Warning lamp (LED)	Engine auto glow injector/ Neutral light / Oil pressure warning /Engin check warning Charge warning / Brake warning / Interlook warning Fuel warning
	Switch & knob	Lighting switch/Starter switch/Turn signal switch/Direction control lever Speed select switch

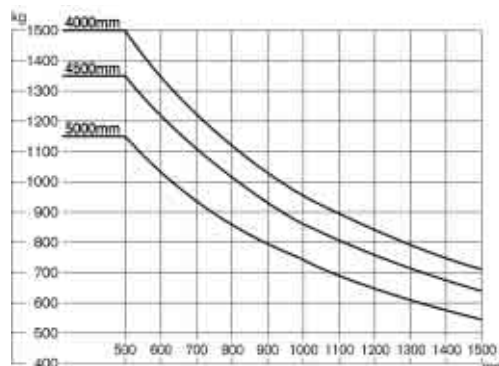
1B1 U-model

1.5
1.8ton
at 500mm
Load Center

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single	double
Front Tire Size	21 × 8-9-10PR	6.00-9-10PR
Overall Width mm	1120	1430
Front Tread mm	920	1070

Ground Clearance

Under mast	mm	110	110
Under frame	mm	110	110

Mast Specifications & Rated Capacities

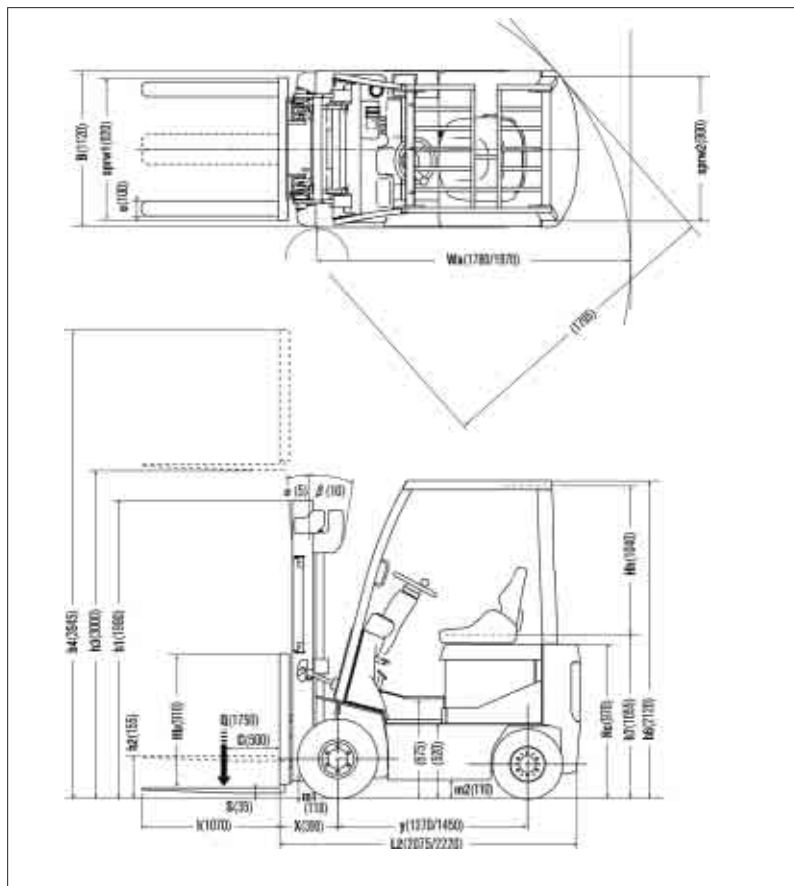
K1B1L15U, K1B1R15U, KG1B1L15U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward deg	Single tire Load center 500mm Kg
				Without backrest mm	With STD backrest mm					
Two stage (Wide view 2W)	2W270	2700	1840	3225	3645	155	155	390	5/10	1500
	2W300	3000	1990	3525	3945					1500
	2W330	3300	2140	3825	4245					1500
	2W350	3500	2275	4025	4445					1500
	2W370	3700	2400	4225	4645					1500
	2W400	4000	2590	4525	4945					1500
	2W450	4500	2840	5025	5445				5/5	1350
	2W500	5000	3090	5525	5945					1150
Two stage (Full free 2F)	2F270	2700	1840	3225	3645	1350	930	390	5/10	1500
	2F300	3000	1990	3525	3945	1500	1080			1500
	2F330	3300	2140	3825	4245	1650	1230			1500
	2F350	3500	2275	4025	4445	1785	1365			1500
	2F370	3700	2400	4225	4645	1910	1490			1500
	2F400	4000	2590	4525	4945	2100	1680			1500
Three stage (Full free 3F)	3F385	3850	1840	4380	4795	1345	930	395	5/5	1500
	3F430	4300	1990	4830	5245	1495	1080			1400
	3F475	4750	2140	5280	5695	1645	1230			1300
	3F515	5150	2275	5685	6100	1780	1365			1050
	3F550	5500	2400	6030	6445	1905	1490			850
	3F600	6000	2590	6530	6945	2095	1680			650

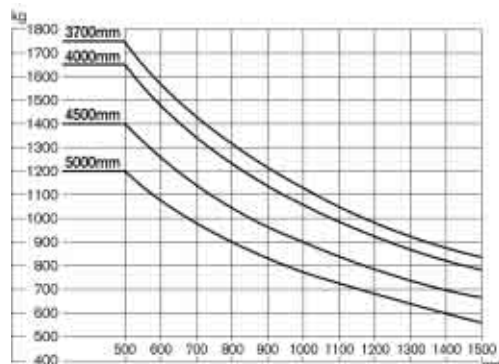
Main Truck Specifications

Item					K1B1L15U	K1B1R15U	KG1B1L15U	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	NISSAN	1
	2	Model			K1B1L15U	K1B1R15U	KG1B1L15U	2
	3	Load capacity	Q Load lifted	kg	1500	1500	1500	3
	4	Load center	C Distance	mm	500	500	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	BAT	BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	Rider / seat	Rider / seat	6
	7	Tire type		front/rear	P(SE) / P(SE)	P(SE) / P(SE)	P(SE) / P(SE)	7
	8	Wheels(X=driven)	Number	front/rear	2X / 2	2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	9
	10	Free lift	h2 Standard free lift	mm	155	155	155	10
	13	Fork size	s.e.l	mm	35×100×1070	35×100×1070	35×100×1070	13
		Max. Fork Spread		mm	900	900	900	
		Min. Fork Spread		mm	205	205	205	
	14	Tilt range	α / β Mast forward/backward	deg	5 / 10	5 / 10	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2030	2030	2220	15
	16		B Overall width	mm	1120	1120	1120	16
	17		h1 Height mast retracted	mm	1990	1990	1990	17
	18		h4 Height mast extended	mm	3945	3945	3945	18
	19		h6 Height overhead guard	mm	2120	2120	2120	19
	20		h7 Height of driver's seat	mm	1055	1055	1055	20
	21	Turning radius (outside)	Wa	mm	1750	1750	1970	21
	22	Load distance	X From center of front axle	mm	390	390	390	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	3540 / 3340	3540 / 3340	3760 / 3560	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h	16	16	24
				no load	km/h	18	17.5	
	25		Lifting	full load	mm/s	435	435	25
				no load	mm/s	640	640	
	26		Lowering	full load	mm/s	500	500	26
				no load	mm/s	500	500	
	28	Max. drawbar pull	full/no load	N	10770 / 10770	10770 / 10770	10770 / 10770	28
	29	Gradeability at 2km/h	full/no load	%	22 / 34	21 / 32	20 / 30.5	29
	30	Max. gradeability	full/no load	%	—	—	—	30
WEIGHTS	32	Truck weight	no load	kg	2980	3060	3205	32
	33	Weight distribution	full load	front/rear	kg	3850 / 630	3855 / 850	33
	34		no load	front/rear	kg	1280 / 1700	1320 / 1740	34
	35		Number.	front/rear	each	2 / 2	2 / 2	35
CHASSIS & WHEELS	36	Tires	Size-front			21×8-9-10PR	21×8-9-10PR	36
	37		Size-rear			5.00-8-10PR	5.00-8-10PR	37
	38	Wheelbase	y	mm	1270	1270	1450	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	920 / 900	920 / 900	39
		Backrest height	Hb top of backrest - upper of fork face	mm	910	910	910	
		Overhead guard clearance	Hh	mm	1040	1040	1040	
		Counter weight height	Hc	mm	970	970	970	
	40	Ground clearance	m1 Full load minimum	mast	mm	110	110	40
	41		m2 Full load center of wheelbase		mm	110	110	41
	42	Service brake	Mechanical/hydraulic/electric/pneu			Hyd / Elec	Hyd / Elec	42
DRIVE LINE	43	Parking brake	Foot/hand/seat switch			Foot	Foot	43
	45	Battery	Voltage/Capacity (5 hour)	min	V/AH	48 / 485	48 / 545	45
				max	V/AH	—	—	
	46		weight(STD capacity type)	min-max	kg	765	845	46
	47	Electric motors	drive		KW	9	9	47
	48		Load handling		KW	11	11	48
			Power steering		KW	—	—	
	54	Control type	drive			MOD-INV	MOD-INV	54
			Load handling			MOD-INV	MOD-INV	
			Power steering			—	—	
	57	Operating pressure	for attachment		MPa	12.7	12.7	57

Dimensions



Load Capacity Chart



No capacity reduction until 3700 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single	double
Front Tire Size	21 × 8-9-10PR	6.00-9-10PR
Overall Width mm	1120	1430
Front Tread mm	920	1070

Ground Clearance

Under mast	mm	110	110
Under frame	mm	110	110

Mast Specifications & Rated Capacities

K1B1L18U/FU, K1B1R18U, KG1B1L18U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500mm Kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (Wide view 2W)	2W270	2700	1840	3330	3645	155	155	390	5/10	1750
	2W300	3000	1990	3630	3945					1750
	2W330	3300	2140	3930	4245					1750
	2W350	3500	2275	4130	4445					1750
	2W370	3700	2400	4330	4645					1750
	2W400	4000	2590	4630	4945					1650
	2W450	4500	2840	5130	5445				5/5	1400
	2W500	5000	3090	5630	5945					1200
Two stage (Full free 2F)	2F270	2700	1840	3330	3645	1245	930	390	5/10	1750
	2F300	3000	1990	3630	3945	1395	1080			1750
	2F330	3300	2140	3930	4245	1545	1230			1750
	2F350	3500	2275	4130	4445	1680	1365			1750
	2F370	3700	2400	4330	4645	1805	1490			1750
	2F400	4000	2590	4630	4945	1995	1680			1650
	2F450	4500	2840	5130	5445	2195	1880			1400
Three stage (Full free 3F)	3F385	3850	1840	4480	4795	1245	930	395	5/5	1650
	3F430	4300	1990	4930	5245	1395	1080			1550
	3F475	4750	2140	5380	5695	1545	1230			1350
	3F515	5150	2275	5785	6100	1680	1365			1100
	3F550	5500	2400	6130	6445	1805	1490			850
	3F600	6000	2590	6630	6945	1995	1680			650
	3F650	6500	2840	7130	7445	2195	1880			400

Main Truck Specifications

Item					K1B1L18U/FU	K1B1R18U	KG1B1L18U	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	NISSAN	1
	2	Model			K1B1L18U / FU	K1B1R18U	KG1B1L18U	2
	3	Load capacity	Q Load lifted	kg	1750	1750	1750	3
	4	Load center	C Distance	mm	500	500	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	BAT	BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	Rider / seat	Rider / seat	6
	7	Tire type		front/rear	P(SE) / P(SE)	P(SE) / P(SE)	P(SE) / P(SE)	7
	8	Wheels(X=driven)	Number	front/rear	2X / 2	2X / 2	2X / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	9
	10	Free lift	h2 Standard free lift	mm	155	155	155	10
	13	Fork size	s.e.l	mm	35×100×1070	35×100×1070	35×100×1070	13
		Max. Fork Spread		mm	900	900	900	
		Min. Fork Spread		mm	205	205	205	
	14	Tilt range	α / β Mast forward/backward	deg	5 / 10	5 / 10	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2075	2075	2220	15
	16		B Overall width	mm	1120	1120	1120	16
	17		h1 Height mast retracted	mm	1990	1990	1990	17
	18		h4 Height mast extended	mm	3945	3945	3945	18
	19		h6 Height overhead guard	mm	2120	2120	2120	19
	20		h7 Height of driver's seat	mm	1055	1055	1055	20
	21	Turning radius (outside)	Wa	mm	1780	1780	1970	21
	22	Load distance	X From center of front axle	mm	390	390	390	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	3570 / 3370	3570 / 3370	3760 / 3560	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h	16	16	24
				no load	km/h	18	17.5	
	25		Lifting	full load	mm/s	390	390	25
				no load	mm/s	640	640	
	26		Lowering	full load	mm/s	500	←	26
				no load	mm/s	500	←	
	28	Max. drawbar pull	full/no load	N	10770 / 10770	10770 / 10770	10770 / 10770	28
	29	Gradeability at 2km/h	full/no load	%	19 / 32	19 / 30	19 / 30	29
	30	Max. gradeability	full/no load	%	—	—	—	30
WEIGHTS	32	Truck weight	no load	kg	3170	3245	3205	32
	33	Weight distribution	full load	front/rear	kg	4240 / 680	4260 / 695	33
	34		no load	front/rear	kg	1245 / 1925	1275 / 1970	34
	35		Number.	front/rear	each	2 / 2	2 / 2	35
CHASSIS & WHEELS	36	Tires	Size-front		21×8-9-10PR	←	21×8-9-10PR	36
	37		Size-rear		5.00-8-10PR	5.00-8-10PR	5.00-8-10PR	37
	38	Wheelbase	y	mm	1270	1270	1450	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	920 / 900	920 / 900	39
		Backrest height	Hb top of backrest - upper of fork face	mm	910	910	910	
		Overhead guard clearance	Hh	mm	1040	1040	1040	
		Counter weight height	Hc	mm	970	970	970	
	40	Ground clearance	m1 Full load minimum	mast	mm	110	110	40
	41		m2 Full load center of wheelbase		mm	110	110	41
	42	Service brake	Mechanical/hydraulic/electric/pneu		Hyd / Elec	Hyd / Elec	Hyd / Elec	42
DRIVE LINE	43	Parking brake	Foot/hand/seat switch		Foot	Foot	Foot	43
	45	Battery	Voltage/Capacity	min	V/AH	48 / 485	48 / 545	45
			(5 hour)	max	V/AH	—	48 / 700	
	46		weight(STD capacity type)	min-max	kg	765	845	46
	47	Electric motors	drive		KW	9	9	47
	48		Load handling		KW	11	11	48
			Power steering		KW	—	—	
	54	Control type	drive		MOD-INV	MOD-INV	MOD-INV	54
			Load handling		MOD-INV	MOD-INV	MOD-INV	
			Power steering		—	—	—	
	57	Operating pressure	for attachment	MPa	12.7	12.7	12.7	57

Loading Capacity

K1B1L15U, K1B1R15U, KG1B1L15U												Unit:kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single tire	2W 270	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 300	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 330	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 350	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 370	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 400	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 450	1350	1215	1105	1010	935	865	810	760	715	675	640
	2W 500	1150	1035	940	860	795	740	690	645	610	575	545
	2F 270	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 300	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 330	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 350	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 370	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 400	1500	1345	1220	1120	1030	960	895	835	785	745	705
	3F 385	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F 430	1400	1255	1140	1045	965	895	835	785	735	695	660
	3F 475	1300	1165	1060	970	895	830	775	725	685	645	610
	3F 515	1050	940	855	785	725	670	625	585	550	520	495
3F 550	850	760	690	635	585	545	505	475	445	420	400	
3F 600	650	580	530	485	445	415	385	360	340	320	305	
Double tire	2W 270	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 300	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 330	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 350	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 370	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 400	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 450	1400	1260	1145	1050	970	900	840	785	740	700	660
	2W 500	1300	1170	1060	975	900	835	780	730	685	650	615
	2F 270	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 300	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 330	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 350	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 370	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 400	1500	1345	1220	1120	1030	960	895	835	785	745	705
	3F 385	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F 430	1400	1255	1140	1045	965	895	835	785	735	695	660
	3F 475	1300	1165	1060	970	895	830	775	725	685	645	610
	3F 515	1250	1120	1020	935	860	800	745	700	660	620	590
	3F 550	1150	1030	935	860	790	735	685	645	605	570	540
	3F 600	1000	895	815	745	690	640	595	560	525	495	470

Loading Capacity

K1B1L18(F)U, K1B1R18U, KG1B1L18U

Unit:kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single tire	2W 270	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 300	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 330	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 350	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 370	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 400	1650	1485	1350	1235	1140	1060	990	925	875	825	780
	2W 450	1400	1260	1145	1050	970	900	840	785	740	700	660
	2W 500	1200	1080	980	900	830	770	720	675	635	600	565
	2F 270	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 300	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 330	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 350	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 370	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 400	1650	1480	1345	1230	1135	1055	985	920	865	815	775
	3F 385	1650	1480	1345	1235	1140	1055	985	925	870	820	775
	3F 430	1550	1390	1265	1160	1070	990	925	865	815	770	730
	3F 475	1350	1210	1100	1010	930	865	805	755	710	670	635
	3F 515	1100	985	895	820	760	705	655	615	580	545	515
	3F 550	850	760	690	635	585	545	505	475	445	420	400
	3F 600	650	580	530	485	445	415	385	360	340	320	305
Double tire	2W 270	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 300	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 330	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 350	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 370	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W 400	1650	1485	1350	1235	1140	1060	990	925	875	825	780
	2W 450	1500	1350	1225	1125	1035	965	900	845	795	750	710
	2W 500	1350	1215	1105	1010	935	865	810	760	715	675	640
	2F 270	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 300	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 330	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 350	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 370	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 400	1650	1480	1345	1230	1135	1055	985	920	865	815	775
	3F 385	1650	1480	1345	1235	1140	1055	985	925	870	820	775
	3F 430	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	3F 475	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F 515	1350	1210	1100	1010	930	865	805	755	710	670	635
	3F 550	1200	1075	980	895	825	765	715	670	630	595	565
	3F 600	1000	895	815	745	690	640	595	560	525	495	470

Truck Weight (Less Battery)

(kg)

Mast type	Mast name	K1B1L15U		K1B1R15U		KG1B1L15U		K1B1L18U/FU		K1B1R18U		KG1B1L18U	
		SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
Two stage (Wide view 2W)	2W270	2200	2235	2195	2230	2245	2280	2385	2420	2385	2420	2245	2280
	2W300	2215	2255	2215	2250	2265	2300	2405	2440	2400	2435	2265	2300
	2W330	2235	2270	2235	2270	2280	2315	2420	2460	2420	2455	2285	2320
	2W350	2255	2290	2250	2285	2300	2335	2440	2475	2440	2475	2300	2335
	2W370	2290	2325	2285	2320	2335	2370	2475	2510	2475	2510	2335	2370
	2W400	2310	2350	2310	2345	2360	2395	2500	2535	2495	2530	2360	2395
	2W450	2345	2380	2345	2380	2390	2425	2530	2565	2530	2565	2395	2430
	2W500	2375	2410	2375	2410	2420	2455	2560	2600	2560	2595	2425	2460
Two stage (Full free 2F)	2F270	2210	2245	2205	2240	2255	2290	2400	2435	2395	2430	2260	2295
	2F300	2230	2265	2225	2260	2275	2310	2420	2455	2415	2450	2280	2315
	2F330	2250	2285	2245	2285	2295	2330	2440	2475	2435	2475	2300	2335
	2F350	2265	2300	2265	2300	2315	2350	2455	2495	2455	2490	2320	2355
	2F370	2305	2340	2300	2335	2350	2385	2495	2530	2490	2525	2355	2390
	2F400	2330	2365	2330	2365	2375	2410	2520	2555	2520	2555	2380	2415
Three stage (Full free 3F)	3F385	2380	2415	2380	2415	2425	2460	2570	2605	2565	2600	2430	2465
	3F430	2410	2445	2410	2445	2455	2490	2600	2635	2595	2630	2460	2495
	3F475	2440	2475	2440	2475	2485	2520	2625	2665	2625	2660	2490	2525
	3F515	2465	2500	2465	2500	2510	2545	2655	2690	2655	2690	2515	2550
	3F550	2520	2555	2515	2550	2565	2600	2705	2740	2705	2740	2570	2605
	3F600	2555	2590	2555	2590	2600	2635	2745	2780	2745	2780	2605	2640
Truck weight without mast		1700	1740	1700	1735	1750	1785	1885	1920	1885	1920	1750	1785

Additional Truck Weight

Tire Weight

Model (Capacity code)			15,18 -U
Front	Single	Pneumatic tire	0
		Pneumatic type solid tire	+50
	Double	Pneumatic tire	0
		Pneumatic type solid tire	+70
Rear	Single	Pneumatic tire	0
		Pneumatic type solid tire	+20

Cabin

	15,18 -U
Windshild Glass	+25
Canvas Cabin	+30

Smooth-run System

	15,18 -U
Smooth-run System	+15

Carriage & Backrest

Carriage	Backrest	15,18 -U
Standard	High	+10
	Less	-20
Wide	Wide & High	+40

Forks

Lengh mm (in)		Model	15,18 -U
Fork	Less fork		-80
	850 (33.5)		-10
	920 (36.2)		-10
	1000 (39.4)		-5
	1070 (42.1)		0
	1150 (45.3)		+5
	1220 (48.0)		+5
	1370 (53.9)		+15

Supplement Data

■ Standard Specifications

Item	Model			1B1
MOTOR	Traction motor	Type		AC induction
	Hoist pump motor	Type		AC induction
	P.S. motor	Type		—

■ High travel speed/High lifting speed model specifications

Item	Model				K1B1L15U K1B1R15U	KG1B1L15U	K1B1L18U K1B1L18FU	K1B1R18U KG1B1L18U
PERFORMANCE	Travel speed	Forward	full load	km/h	16.0	16.0	16.0	16.0
			no load	km/h	18.0	17.5	18.0	17.5
	Lifting Speed	2W mast	full load	mm/sec	435	435	390	390
			no load	mm/sec	640	640	640	640

Right Angle Stacking Aisle [Ast] Mast 2W

Unit:mm						
Pallet size length (b)×width	Model	K1B1L15U	K1B1R15U	KG1B1L15U	K1B1L18U	K1B1R18U KG1B1L18U
1000×1200		3340	3340	3560	3370	3370 3560
1200×800		3540	3540	3760	3570	3570 3760

Fork Availability

Length mm (in)		Model	15,18-U
Fork	Less fork		○
	850		○
	920		○
	1000		○
	1070		●
	1150		○
	1220		○
	1370		○
	1520		○
	1000		○
Extension fork	1100		○
	1200		○
	1300		○
	1500		○
	1700		—
	1800		—
	2000		—

Option Availability

			●---Standard	○---Option
Item			1B1-U	
Battery	Less battery		●	
	Battery (Wet type)		○	
	Battery case		○	
	Battery connector	EC type	○	
		Standard type	●	
Battery charger	OFF-truck type		○	
Instruments	Multifunctional LCD Monitor	Battery capacity meter	●	
		Hour meter		
		Digital clock		
		Warning display		
		Speedometer		
		Mode Indicator		
Warning buzzer	Back-up buzzer		○	
	Parking brake warning buzzer		●	
Light	Head lights (without guard)		●	
	Turn signal lamps		○	
	Rear combination lamps		○	
	Rear working light		○	
	Rotating light (yellow)		○	
Tires	Rib-lug tires		●	
	J-lug tires (Textile)		—	
	Solid tires		○	
	Double tires		○	
Body	Canvas cabin		○	
	Windshield		○	
	Floor mat		●	
	Rain guard		○	
	Rearview mirrors (both sides)		○	
Seat	Restraint seat with suspension		●	
	Without seat		○	
Mast	2W mast		●	
	2F mast		○	
	3F mast		○	
	Without mast		○	
	Tilt cylinder boot & cover		○	
	Tilt Leveling System (2W300 mast only)		○	
Carriage & Backrest	Wide carriage		○	
	High backrest		○	
	Wide and high backrest		○	
	Without backrest		○	
Fork	Long forks		○	
	Extension forks		○	
	Without forks		○	
F/R lever	F/R lever on left		●	
	F/R lever on right		○	
Steering system	Small-diameter steering wheel with tilt adjustment		●	
	Steering Synchronizer		○	
Hydraulic control system	2 spool valve		●	
	3 spool valve		○	
	4 spool valve		○	
	Single control lever		○	
	Double control lever		●	
	3 spool piping to carriage		○	
	4 spool piping to carriage		○	
	Smooth-run System		○	
Tool	Tool kit		○	
	Tool kit with jack		○	
Label	English		●	
	German		○	
	French		○	
	Spanish		○	
Attachment	Side shift (3 spool)		○	
	Fork positioner		○	

Fork Dimensions

	Width [W]×Thickness [T] mm (in)	
	1B1U 15	1B1U 18
850 (33.5)	100×35	100×35
920 (36.2)	100×35	100×35
1000 (39.4)	100×35	100×35
1070 (42.1)	100×35	100×35
1150 (45.3)	100×35	100×35
1220 (48.0)	100×35	100×38
1370 (53.9)	100×35	100×38
1520 (59.8)	100×38	100×38

Carriage & Backrest Dimensions

■ Carriage

Model		1B1 15	1B1 18
Class		Class II	Class II
Number of rollers		4	6
Carriage width [W] mm	Standard	920	920
	Wide	1335	1335
Max. fork spread mm	Standard	900	900
	Wide	1315	1315

■ Backrest

Model		1B1U 15-18
Backrest height [H] mm	Standard	945
	High backrest	1255
	Wide backrest	1255
Backrest width [L] ww	Standard	945
	Wide backrest	1360
Plate thickness [T] mm		12

Tire Size

●...Standard ○...Option

Tire			Model	PK1B1
				15-18
Front	Single	Tire size (STD)		21 × 8-9-10PR(I)
		Rim size (STD)		6.00E × 9TB(I)
		Type	J-lug textile	—
			Rib-lug tire	●
			Pneumatic type solid	21 × 8-9/6.00 SOLID ○
	Double	Tire size (STD)		6.00-9-10PR(I)
		Rim size (STD)		4.00E × 9DT(I)
		Type	J-lug textile	—
			Rib-lug tire	○
			Pneumatic type solid	6.00-9/4.00 SOLID ○
Rear	Single	Tire size (STD)		5.00-8-10PR(I)
		Rim size (STD)		3.00D × 8DT(I)
		Type	Rib-lug tire	●
			Pneumatic type solid	5.00-8/3.00 SOLID ○

Tool Option

○...Option

			1B1
Tool set	Wrench	8 × 10	○
		10 × 12	
		12 × 14	○
		14 × 17	○
		13 × 17	
	Screwdrivers		○
	Wheel nut wrench		○
	Thermometer		○
	Gravi-meter		○
	Puller		
	Tool bag		○
	Jack		○*

* Jack is available by separate request.

Battery Selection Guide

■ Battery and Battery Case Specifications

Unit:kg

		K1B1L15U K1B1L18U K1B1L18FU	K1B1R15U K1B1R18U	KG1B1L15U KG1B1L18U
Voltage	V	48	48	48
Number of cells		24	24	24
Capacity	Ah/5h	485	545	600
Battery weight kg	Dry cell	514	562	600
	Battery case	71	76	118
	Electrolyte	153	180	194
	Others*	27	27	28
	Total	765	845	940
Electrolyte quantity	liter	115	130	183
Battery connector type	General	Anderson SB 175(Gray)	Anderson SB 175(Gray)	Anderson SB 350(Gray)
	CE area	Anderson SBE 160(Blue)	Anderson SBE 160(Blue)	Anderson SBE 320(Blue)
Battery case size mm	Width	980	980	980
	Length	600	670	855
	Height	477	477	477

*Weight including cell connector, spacer, etc.

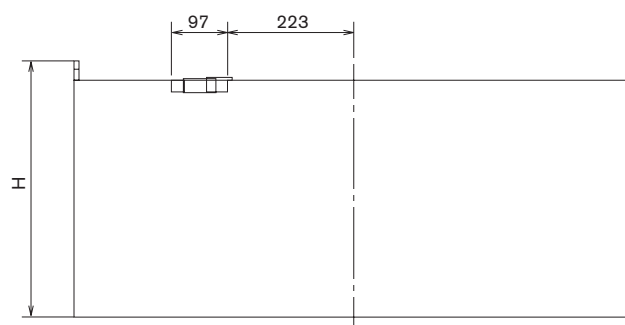
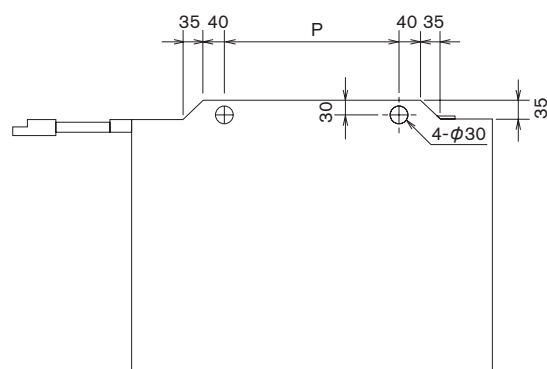
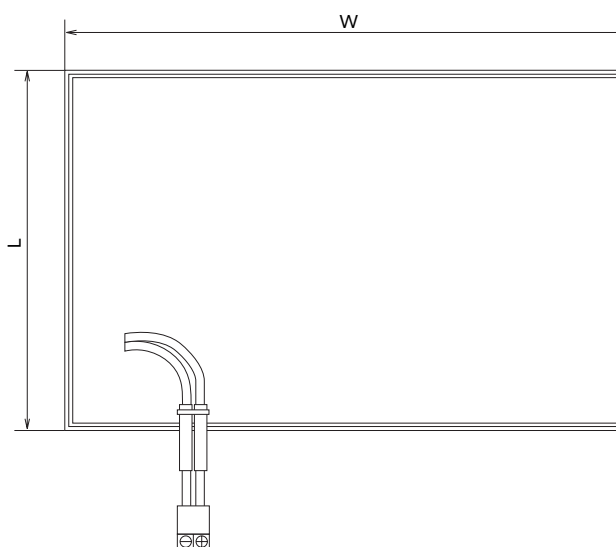
■ Battery and Battery Case Specifications

Unit:kg

Model	Body type	Min.	Max.	Optional battery
K1B1L15U	Standard compartment	695	890	765
K1B1R15U	Large compartment	695	890	845
KG1B1L15U	Long wheel base	880	1095	940
				1,095
K1B1L18U	Standard compartment	720	890	765
K1B1L18FU	Standard compartment	720	890	765
K1B1R18U	Large compartment	720	890	845
KG1B1L18U	Long wheel base	880	1095	940
				1095

■ Recommended Battery Case

				K1B1L15U	K1B1L18U K1B1L18FU	K1B1R15U	K1B1R18U	KG1B1L15U KG1B1L18U
Recommended battery case	Width	W	mm	980		980		980
	Length	L	mm	600		670		855
	Height	H	mm	477		477		477
	Hook hole pitch	P	mm	258		328		471
Effective battery weight		Min.	kg	695	720	695	720	880
		Max.	kg	890	890	890	890	1095
		Optional battery	kg	765		845		940
Battery connector type			General	Anderson SB 175(Gray)		Anderson SB 175(Gray)		Anderson SB 350(Gray)
			CE area	Anderson SBE 160(Blue)		Anderson SBE 160(Blue)		Anderson SBE 320(Blue)
Optional battery	Truck voltage		V	48		48		48
	Number of cell		PCS	24		24		24
	Capacity		AH / 5h	485		545		600



Unit Specification

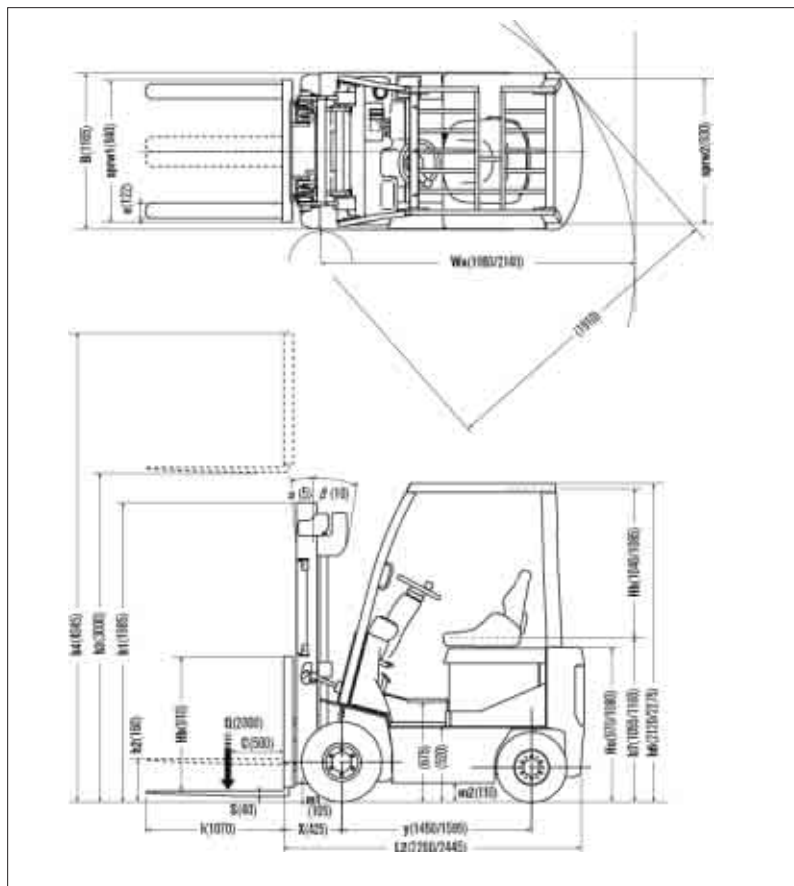
			K1B1-U
CONTROLLER	Traction control		Transistor chopper
	Hoist control		1 contactor
	Field weakening system		Not equipped
TRACTION MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	9
		E-model	8.5
HOIST PUMP MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	11
		E-model	9.5
STEERING WHEEL	Type		Fully hydrostatic power steering
	Control		—
	Steering gear type		—
	Steering wheel		Tilting type
DRIVE AXLE	Type		Full floating
	Reduction gear type		Helical
	Differential gear type		Bevel gear
STEERING AXLE	Type		Elliot
	Suspension type		Center pin,rubber mount type
BRAKE SYSTEM	Service brake		Hydraulic duo-servo with auto-adjuster.Operates on drive wheel
	Parking brake		Hoot type, mechanically operates on drive wheel
	Lining material		Non-asbestos
FRAME & BODY	Frame structure		Integral,All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standard
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type
	Control valve		Sectional type with main relief valve and tilt lock valve
	Main releif valve set pressure		170 kg/cm2
	Lift cylinder		with flow regulator valve
	Suction filter		150-mesh,wire netting
	Micron filter		20-micron paper type (Cartridge type)
	Hydraulic tank capacity		30liter
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		Class II
	Forks		Forged alloy steel,Hook type,Conform to ITA standard
INSTRUMENTS	Meters		Hour meter,Battery capacity meter
	Indications		Pilot light, Low voltage lock light, Parking brake warning light, Brake fluid warning light
	Switches		Lighting switch, Function switch

1B2 U-model

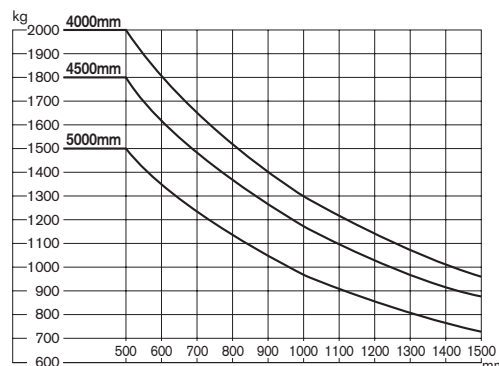
2.0

2.5_{ton}
at 500mm
Load Center

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single	double
Front Tire Size	23×9-10-16PR	6.50-10-10PR
Overall Width mm	1165	1525
Front Tread mm	940	1130

Ground Clearance

Under mast	mm	105	105
Under frame	mm	110	110

Mast Specifications & Rated Capacities

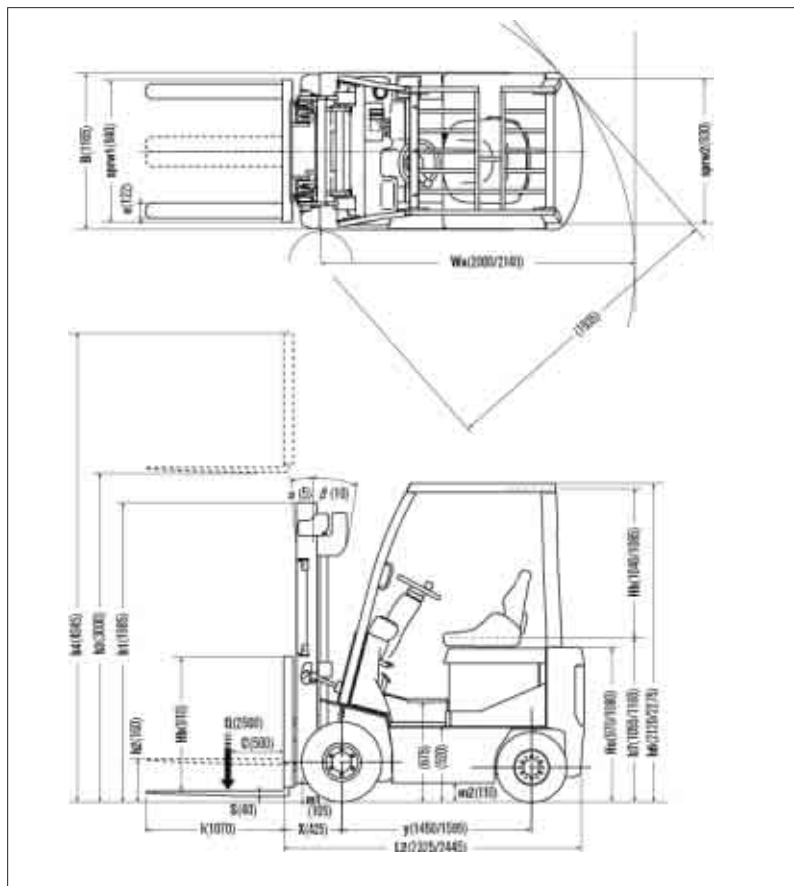
P1B2L20U, P1B2R20U, PG1B2L20U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle		Capacity	
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Without backrest mm	With STD backrest mm	Forward/ Backward deg	Single tire Load center 500mm
				Without backrest mm	With STD backrest mm							Kg
Two stage (Wide view 2W)	2W270	2700	1835	3320	3745	160	160	425	5/10	2000		
	2W300	3000	1985	3620	4045					2000		
	2W330	3300	2135	3920	4345					2000		
	2W350	3500	2270	4120	4545					2000		
	2W370	3700	2395	4320	4745					2000		
	2W400	4000	2585	4620	5045					2000		
	2W450	4500	2835	5120	5545				5/5	1800		
	2W500	5000	3085	5620	6045					1500		
Two stage (Full free 2F)	2F270	2700	1835	3320	3745	1230	830	425	5/10	2000		
	2F300	3000	1985	3620	4045	1380	980			2000		
	2F330	3300	2135	3920	4345	1530	1130			2000		
	2F350	3500	2270	4120	4545	1665	1265			2000		
	2F370	3700	2395	4320	4745	1790	1390			2000		
	2F400	4000	2585	4620	5045	1980	1580			2000		
Three stage (Full free 3F)	3F385	3850	1835	4505	4895	1230	830	415	5/5	2000		
	3F430	4300	1985	4955	5345	1380	980			1900		
	3F475	4750	2135	5405	5795	1530	1130			1750		
	3F515	5150	2270	5810	6200	1665	1265			1500		
	3F550	5500	2395	6155	6545	1790	1390			1100		
	3F600	6000	2585	6655	7045	1980	1580			700		

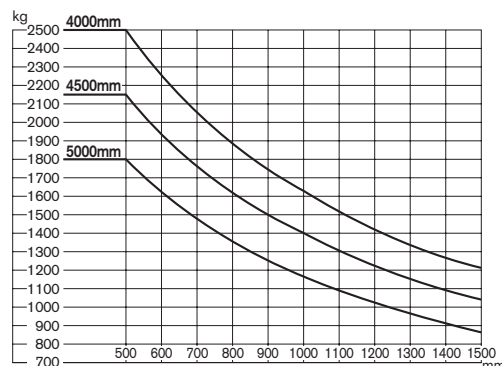
Main Truck Specifications

Item					P1B2L20U	P1B2R20U	PG1B2L20U	
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	NISSAN	1
	2	Model			P1B2L20U	P1B2R20U	PG1B2L20U	2
	3	Load capacity	Q Load lifted	kg	2000	2000	2000	3
	4	Load center	C Distance	mm	500	500	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	BAT	BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	Rider / seat	Rider / seat	6
	7	Tire type		front/rear	P(SE) / P(SE)	P(SE) / P (SE)	P(SE) / P(SE)	7
	8	Wheels(X=driven)	Number	front/rear	2 × / 2	2 × / 2	2 × / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	9
	10	Free lift	h2 Standard free lift	mm	160	160	160	10
	13	Fork size	s.e.l	mm	40×122×1070	40×122×1070	40×122×1070	13
		Max. Fork Spread		mm	1000	1000	1000	
		Min. Fork Spread		mm	250	250	250	
	14	Tilt range	α / β Mast forward/backward	deg	5 / 10	5 / 10	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2260	2260	2445	15
	16		B Overall width	mm	1165	1165	1165	16
	17		h1 Height mast retracted	mm	1985	1985	1985	17
	18		h4 Height mast extended	mm	4045	4045	4045	18
	19		h6 Height overhead guard	mm	2120	2120	2275	19
	20		h7 Height of driver's seat	mm	1055	1055	1165	20
	21	Turning radius (outside)	Wa	mm	1960	1960	2140	21
	22	Load distance	X From center of front axle	mm	425	425	425	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	3785 / 3585	3785 / 3585	3965 / 3765	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h	16	15.5	15
				no load	km/h	17.5	17.5	17
	25		Lifting	full load	mm/s	385	385	385
				no load	mm/s	605	605	605
	26		Lowering	full load	mm/s	500	500	500
				no load	mm/s	500	500	500
	28	Max. drawber pull	full/no load	N	14595 / 14595	14595 / 14595	14595 / 14595	28
	29	Gradeability at 2km/h	full/no load	%	24 / 40	22 / 35	21 / 33	29
	30	Max. gradeability	full/no load	%	—	—	—	30
WEIGHTS	32	Truck weight	no load	kg	3445	3825	4065	32
	33	Weight distribution	full load	front/rear	kg	4855 / 590	4940 / 885	4955 / 1110
	34		no load	front/rear	kg	1560 / 1885	1645 / 2180	1775 / 2290
	35		Number.	front/rear	each	2 / 2	2 / 2	35
CHASSIS & WHEELS	36	Tires	Size-front			23×9-10-16PR	23×9-10-16PR	23×9-10-16PR
	37		Size-rear			18×7-8-14	18×7-8-14	18×7-8-14
	38	Wheelbase	y	mm	1450	1450	1595	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	940 / 930	940 / 935	940 / 930
		Backrest height	Hb top of backrest - upper of fork face	mm	910	910	910	
		Overhead guard clearance	Hh	mm	1040	1040	1085	
		Counter weight height	Hc	mm	970	970	1080	
	40	Ground clearance	m1 Full load minimum	mast	mm	105	105	105
	41		m2 Full load center of wheelbase		mm	110	110	110
	42	Service brake	Mechanical/hydraulic/electric/pneu			Hyd / Elec	Hyd / Elec	Hyd / Elec
	43	Parking brake	Foot/hand/seat switch			Foot	Foot	Foot
DRIVE LINE	45	Battery	Voltage/Capacity (5 hour)	min	V/AH	48 / 450	48 / 700	48 / 865
				max	V/AH	48 / 565	—	—
	46		weight(STD capacity type)	min-max	kg	710-885	1095	1370
	47	Electric motors	drive		KW	12	12	12
	48		Load handling		KW	13.5	13.5	13.5
			Power steering		KW	—	—	—
	54	Control type	drive			MOS-INV	MOS-INV	MOS-INV
			Load handling			MOS-INV	MOS-INV	MOS-INV
			Power steering			—	—	—
	57	Operating pressure	for attachment		MPa	12.7	12.7	12.7

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single	double
Front Tire Size	23×9-10-16PR	6.50-10-10PR
Overall Width mm	1165	1525
Front Tread mm	940	1130

Ground Clearance

Under mast	mm	105	105
Under frame	mm	110	110

Mast Specifications & Rated Capacities

P1B2L25U/FU, P1B2R25U, PG1B2L25U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward deg	Single tire Load center 500mm Kg
				Without backrest mm	With STD backrest mm					
Two stage (Wide view 2W)	2W270	2700	1835	3320	3745	160	160	425	5/10	2500
	2W300	3000	1985	3620	4045					2500
	2W330	3300	2135	3920	4345					2500
	2W350	3500	2270	4120	4545					2500
	2W370	3700	2395	4320	4745					2500
	2W400	4000	2585	4620	5045					2500
	2W450	4500	2835	5120	5545				5/5	2150
	2W500	5000	3085	5620	6045					1800
Two stage (Full free 2F)	2F270	2700	1835	3320	3745	1230	830	425	5/10	2500
	2F300	3000	1985	3620	4045	1380	980			2500
	2F330	3300	2135	3920	4345	1530	1130			2500
	2F350	3500	2270	4120	4545	1665	1265			2500
	2F370	3700	2395	4320	4745	1790	1390			2500
	2F400	4000	2585	4620	5045	1980	1580			2500
	2F450	4500	2835	5120	5545	2170	1770			2500
Three stage (Full free 3F)	3F385	3850	1835	4505	4895	1230	830	415	5/5	2500
	3F430	4300	1985	4955	5345	1380	980			2400
	3F475	4750	2135	5405	5795	1530	1130			2150
	3F515	5150	2270	5810	6200	1665	1265			1600
	3F550	5500	2395	6155	6545	1790	1390			1250
	3F600	6000	2585	6655	7045	1980	1580			900
	3F650	6500	2835	7155	7545	2170	1770			900

Main Truck Specifications

Item					P1B2L25U/FU	P1B2R25U	PG1B2L25U		
SPECIFICATIONS	1	Manufacturer			NISSAN	NISSAN	NISSAN	1	
	2	Model			P1B2L25U/FU	P1B2R25U	PG1B2L25U	2	
	3	Load capacity	Q Load lifted	kg	2500	2500	2500	3	
	4	Load center	C Distance	mm	500	500	500	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	BAT	BAT	5	
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	Rider / seat	Rider / seat	6	
	7	Tire type	front/rear		P(SE) / P(SE)	P(SE) / P(SE)	P(SE) / P(SE)	7	
	8	Wheels(X=driven)	Number	front/rear	2× / 2	2× / 2	2× / 2	8	
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	3000	3000	9	
	10	Free lift	h2 Standard free lift	mm	160	160	160	10	
	13	Fork size	s.e.l	mm	40×122×1070	40×122×1070	40×122×1070	13	
		Max. Fork Spread		mm	1000	1000	1000		
		Min. Fork Spread		mm	250	250	250		
	14	Tilt range	α / β Mast forward/backward		deg	5/10	5 / 10	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2325	2325	2445	15	
	16		B Overall width	mm	1165	1165	1165	16	
	17		h1 Height mast retracted	mm	1985	1985	1985	17	
	18		h4 Height mast extended	mm	4045	4045	4045	18	
	19		h6 Height overhead guard	mm	2120	2120	2275	19	
	20		h7 Height of driver's seat	mm	1055	1055	1165	20	
	21	Turning radius (outside)	Wa	mm	2000	2000	2140	21	
	22	Load distance	X From center of front axle	mm	425	425	425	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm	3825 / 3625	3825 / 3625	3965 / 3765	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h	15	15	15	24
	no load			km/h	17.5	17.5	17		
	25		Lifting	full load	mm/s	345	345	345	25
	no load			mm/s	605	605	605		
	26		Lowering	full load	mm/s	500	500	500	26
	no load			mm/s	500	500	500		
	28	Max. drawber pull	full/no load	N	14595 / 14595	14595 / 14595	14595 / 14595	28	
29	Gradeability at 2km/h	full/no load	%	20 / 35	19 / 33	19 / 33	29		
30	Max. gradeability	full/no load	%	—	—	—	30		
WEIGHTS	32	Truck weight	no load	kg	3875	4085	4065	32	
	33	Weight distribution	full load	front/rear	kg	5650 / 725	5725 / 860	5745 / 820	33
	34		no load	front/rear	kg	1535 / 2340	1610 / 2475	1775 / 2290	34
CHASSIS & WHEELS	35	Tires	Number.	front/rear	each	2 / 2	2 / 2	2 / 2	35
	36		Size-front			23×9-10-16PR	23×9-10-16PR	23×9-10-16PR	36
	37		Size-rear			18×7-8-14	18×7-8-14	18×7-8-14	37
	38	Wheelbase	y		mm	1450	1450	1595	38
	39	Tread	sprw 1/sprw 2	front/rear	mm	940 / 930	940 / 935	940 / 930	39
		Backrest height	Hb top of backrest - upper of fork face	mm	910	910	910		
		Overhead guard clearance	Hh	mm	1040	1040	1085		
		Counter weight height	Hc	mm	970	970	1080		
	40	Ground clearance	m1 Full load minimum	mast	mm	105	105	105	40
	41		m2 Full load center of wheelbase		mm	110	110	110	41
	42	Service brake	Mechanical/hydraulic/electric/pneu			Hyd / Elec	Hyd / Elec	Hyd / Elec	42
	43	Parking brake	Foot/hand/seat switch			Foot	Foot	Foot	43
DRIVE LINE	45	Battery	Voltage/Capacity	min	V/AH	48 / 565	48 / 700	48/865	45
	(5 hour)		max	V/AH	—	—	—		
	46		weight(STD capacity type)	min-max	kg	885	1095	1370	46
	47	Electric motors	drive		KW	12	12	12	47
	48		Load handling		KW	13.5	13.5	13.5	48
			Power steering		KW	—	—	—	
	54	Control type	drive		MOS-INV	MOS-INV	MOS-INV	54	
			Load handling		MOS-INV	MOS-INV	MOS-INV		
			Power steering		—	—	—		
57	Operating pressure	for attachment		MPa	12.7	12.7	12.7	57	

Loading Capacity

P1B2L20U, P1B2R20U, PG1B2L20U Unit:kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single tire	2W 270	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 300	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 330	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 350	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 370	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 400	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 450	1800	1625	1480	1360	1260	1170	1095	1030	970	915	870
	2W 500	1500	1355	1235	1135	1050	975	915	855	805	765	725
	2F 270	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 300	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 330	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 350	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 370	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 400	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	3F 385	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	3F 430	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
	3F 475	1750	1575	1435	1315	1215	1130	1055	990	930	880	835
	3F 515	1500	1350	1230	1125	1040	970	905	850	800	755	715
Double tire	3F 550	1100	990	900	825	765	710	660	620	585	550	525
	3F 600	700	630	570	525	485	450	420	395	370	350	330
	2W 270	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 300	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 330	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 350	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 370	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 400	2000	1805	1645	1515	1400	1300	1220	1145	1075	1020	965
	2W 450	1850	1670	1525	1400	1295	1205	1125	1055	995	940	895
	2W 500	1750	1580	1440	1325	1225	1140	1065	1000	940	890	845
	2F 270	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 300	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 330	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 350	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 370	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 400	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	3F 385	2000	1800	1640	1505	1390	1290	1205	1130	1065	1005	955
	3F 430	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
	3F 475	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
	3F 515	1700	1530	1395	1280	1180	1095	1025	960	905	855	810
	3F 550	1600	1440	1310	1205	1110	1035	965	905	850	805	760
	3F 600	1450	1305	1190	1090	1005	935	875	820	770	730	690

Loading Capacity

P1B2L25(F)U, P1B2R25U, PG1B2L25U

Unit:kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Single tire	2W 270	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 300	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 330	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 350	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 370	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 400	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 450	2150	1940	1770	1625	1505	1400	1310	1230	1160	1095	1040
	2W 500	1800	1625	1480	1360	1260	1170	1095	1030	970	915	870
	2F 270	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 300	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 330	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 350	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 370	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 400	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	3F 385	2500	2250	2050	1880	1740	1615	1510	1415	1330	1260	1195
	3F 430	2400	2160	1965	1805	1670	1550	1450	1360	1280	1210	1145
	3F 475	2150	1935	1760	1615	1495	1390	1295	1215	1145	1080	1025
	3F 515	1600	1440	1310	1205	1110	1035	965	905	850	805	760
	3F 550	1250	1125	1025	940	870	805	755	705	665	630	595
	3F 600	900	810	735	675	625	580	540	510	480	450	430
Double tire	2W 270	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 300	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 330	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 350	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 370	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 400	2500	2255	2060	1890	1750	1630	1525	1430	1345	1275	1210
	2W 450	2400	2165	1975	1815	1680	1565	1460	1370	1295	1225	1160
	2W 500	2200	1985	1810	1665	1540	1435	1340	1260	1185	1120	1065
	2F 270	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 300	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 330	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 350	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 370	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 400	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	3F 385	2500	2250	2050	1880	1740	1615	1510	1415	1330	1260	1195
	3F 430	2400	2160	1965	1805	1670	1550	1450	1360	1280	1210	1145
	3F 475	2250	2025	1845	1690	1565	1455	1355	1275	1200	1130	1075
	3F 515	2100	1890	1720	1580	1460	1355	1265	1190	1120	1055	1000
	3F 550	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
	3F 600	1550	1395	1270	1165	1075	1000	935	875	825	780	740

Truck Weight (Less Battery)

(kg)

Mast type	Mast name	P1B2L20U		P1B2R20U		PG1B2L20U		P1B2L25U/FU		P1B2R25U		PG1B2L25U	
		SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE	SINGLE	DOUBLE
Two stage (Wide view 2W)	2W270	2710	2765	2710	2765	2675	2730	2970	3020	2965	3020	2675	2730
	2W300	2735	2785	2730	2785	2695	2750	2990	3045	2990	3045	2695	2750
	2W330	2755	2810	2755	2810	2720	2770	3010	3065	3010	3065	2720	2770
	2W350	2775	2830	2775	2830	2740	2790	3030	3085	3030	3085	2740	2790
	2W370	2815	2870	2815	2870	2780	2835	3075	3130	3075	3125	2780	2835
	2W400	2845	2900	2845	2900	2810	2860	3100	3155	3100	3155	2810	2860
	2W450	2885	2935	2880	2935	2845	2900	3140	3195	3140	3195	2845	2900
Two stage (Full free 2F)	2W500	2920	2975	2920	2975	2885	2935	3175	3230	3175	3230	2885	2935
	2F270	2695	2750	2690	2745	2655	2710	2950	3005	2950	3005	2655	2710
	2F300	2715	2770	2715	2770	2680	2735	2975	3030	2970	3025	2680	2735
	2F330	2740	2795	2740	2795	2705	2755	2995	3050	2995	3050	2705	2755
	2F350	2760	2815	2760	2815	2725	2780	3020	3070	3015	3070	2725	2780
	2F370	2800	2855	2800	2850	2765	2815	3055	3110	3055	3110	2765	2815
	2F400	2830	2885	2830	2880	2790	2845	3085	3140	3085	3140	2790	2845
Three stage (Full free 3F)	3F385	2865	2920	2865	2915	2830	2880	3120	3175	3120	3175	2830	2880
	3F430	2895	2950	2895	2950	2860	2915	3155	3210	3155	3205	2860	2915
	3F475	2930	2985	2930	2985	2895	2945	3185	3240	3185	3240	2895	2945
	3F515	2960	3015	2960	3015	2925	2975	3215	3270	3215	3270	2925	2975
	3F550	3010	3065	3010	3065	2975	3030	3270	3325	3265	3320	2975	3030
	3F600	3055	3105	3050	3105	3015	3070	3310	3365	3310	3365	3015	3070
Truck weight without mast		2085	2140	2085	2140	2050	2100	2340	2395	2340	2395	2050	2100

Additional Truck Weight

Tire Weight

Model (Capacity code)			20, 25-U
Front	Single	Pneumatic tire	0
		Pneumatic type solid tire	+45
	Double	Pneumatic tire	0
		Pneumatic type solid tire	+95
Rear	Single	Pneumatic tire	0
		Pneumatic type solid tire	+20

Cabin

	20, 25-U
Windshild Glass	+25
Canvas Cabin	+30

Smooth-run System

	20, 25-U
Smooth-run System	+15

Carriage & Backrest

Carriage	Backrest	20, 25-U
Standard	High	+5
	Less	-25
Wide	Wide & High	+35

Forks

Length mm (in)		Model	20, 25-U
Fork	Less fork		-105
	920 (36.2)		-15
	1000 (39.4)		-5
	1070 (42.1)		0
	1150 (45.3)		0
	1220 (48.0)		+5
	1370 (53.9)		+25

Supplement Data

■ Standard Specifications

Item	Model			1B2
MOTOR	Traction motor	Type		AC induction
	Hoist pump motor	Type		AC induction
	P.S. motor	Type		—

■ High travel speed/High lifting speed model specifications

Item	Model				P1B2L20U	P1B2R20U	PG1B2L20U	P1B2L25U P1B2L25FU P1B2R25U	PG1B2L25U
PERFORMANCE	Travel speed	Forward	full load	km/h	16.0	15.5	15.0	15.0	15.0
			no load	km/h	17.5	17.5	17.0	17.5	17.0
	Lifting Speed	2W mast	full load	mm/sec	385	385	385	345	345
			no load	mm/sec	605	605	605	605	605

Right Angle Stacking Aisle [AST] Mast 2W

Unit:mm						
Pallet size length (b)×width	Model	P1B2L20U	P1B2R20U	PG1B2L20U	P1B2L25U	PG1B2L25U
1000×1200		3585	3585	3765	3625	3765
1200×800		3785	3785	3965	3825	3965

Fork Availability

Model		20, 25-U
Length mm (in)		
Fork	Less fork	○
	850	—
	920	○
	1000	○
	1070	●
	1150	○
	1220	○
	1370	○
	1520	○
Extension fork	1000	—
	1100	—
	1200	○
	1300	○
	1500	○
	1700	○
	1800	○
	2000	○

Option Availability

			●---Standard ○---Option
Item			1B2-U
Battery	Less battery		●
	Battery (Wet type)		○
	Battery case		○
	Battery connector	EC type	○
Battery charger	OFF-truck type		○
	Standard type		●
Instruments	Multifunctional LCD Monitor	Battery capacity meter	●
		Hour meter	
		Digital clock	
		Warning display	
		Speedometer	
		Mode Indicator	
Warning buzzer	Back-up buzzer		○
	Parking brake warning buzzer		●
Light	Head lights (without guard)		●
	Turn signal lamps		○
	Rear combination lamps		○
	Rear working light		○
	Rotating light (yellow)		○
Tires	Rib-lug tires		●
	J-lug tires (Textile)		—
	Solid tires		○
	Double tires		○
Body	Canvas cabin		○
	Windshield		○
	Floor mat		●
	Rain guard		○
	Rearview mirrors (both sides)		○
Seat	Restraint seat with suspension		●
	Without seat		○
Mast	2W mast		●
	2F mast		○
	3F mast		○
	Without mast		○
	Tilt cylinder boot & cover		○
	Tilt Leveling System (2W300 mast only)		○
Carriage & Backrest	Wide carriage		○
	High backrest		○
	Wide and high backrest		○
	Without backrest		○
Fork	Long forks		○
	Extension forks		○
	Without forks		○
F/R lever	F/R lever on left		●
	F/R lever on right		○
Steering system	Small-diameter steering wheel with tilt adjustment		●
	Steering Synchronizer		○
Hydraulic control system	2 spool valve		●
	3 spool valve		○
	4 spool valve		○
	Single control lever		○
	Double control lever		●
	3 spool piping to carriage		○
	4 spool piping to carriage		○
	Smooth-run System		○
Tool	Tool kit		○
	Tool kit with jack		○
Label	English		●
	German		○
	French		○
	Spanish		○
Attachment	Side shift (3 spool)		○
	Fork positioner		○

Fork Dimensions

	Width [W]×Thickness [T] mm (in)
	1B2U 20-25
850 (33.5)	—
920 (36.2)	122×40
1000 (39.4)	122×40
1070 (42.1)	122×40
1150 (45.3)	122×40
1220 (48.0)	122×40
1370 (53.9)	122×40
1520 (59.8)	122×40
1830 (72.0)	—

Carriage & Backrest Dimensions

■ Carriage

Model		1B2U 20-25
Class		Class II
Number of rollers		6
Carriage width [W] mm	Standard	1020
	Wide	1335
Max. fork spread mm	Standard	1000
	Wide	1315

■ Backrest

Model		1B2U 20-25
Backrest height [H] mm	Standard	945
	High backrest	1255
	Wide backrest	1255
Backrest width [L] ww	Standard & High	1045
	Wide backrest	1360
Plate thickness [T] mm		12

Tire Size

Standard

Option

Tire				Model	PK1B2
					20-25
Front	Single	Tire size (STD)			23×9-10-16PR(I)
		Rim size (STD)			6.50F×10TB(I)
		Type	J-lug textile		○
			Rib-lug tire		●
			Pneumatic type solid		23×9-10/6.50 SOLID ○
	Double	Tire size (STD)			6.50-10-10PR(I)
		Rim size (STD)			5.00F×10TB(I)
		Type	J-lug textile		○
			Rib-lug tire		○
			Pneumatic type solid		6.50-10/5.00 SOLID ○
Rear	Single	Tire size (STD)			18×7-8-14PR(I)
		Rim size (STD)			4.33R×8TB(I)
		Type	J-lug textile		○
			Rib-lug tire		●
			Pneumatic type solid		18×7-8/4.33 SOLID ○

Tool Option

○…Option

			1B2
Tool set	Wrench	8×10	○
		10×12	
		12 ×14	○
		14 ×17	○
		13×17	
	Screwdrivers		○
	Wheel nut wrench		○
	Thermometer		○
	Gravi-meter		○
	Puller		
Tool bag		○	
Jack		○*	

* : Jack is available by separate request.

Battery Selection Guide

■ Battery and Battery Case Specifications

Unit:kg

		P1B2L20U	P1B2R20U P1B2R25U	P1B2L25U	PG1B2L20U PG1B2L25U
Voltage	V	48	48	48	48
Number of cells		24	24	24	24
Capacity	Ah/5h	450	700	565	865
Battery weight kg	Dry cell	425	686	561	905
	Battery case	98	158	98	158
	Electrolyte	160	205	198	263
	Others*	27	41	28	44
	Total	710	1090	885	1370
Electrolyte quantity	liter	127	168	149	202
Battery connector type	General	Anderson SB 350(Gray)			
	CE area	Anderson SBE 320(Blue)			
Battery case size mm	Width	980	980	980	980
	Length	785	855	785	1010
	Height	477	477	477	587

*Weight including cell connector, spacer, etc.

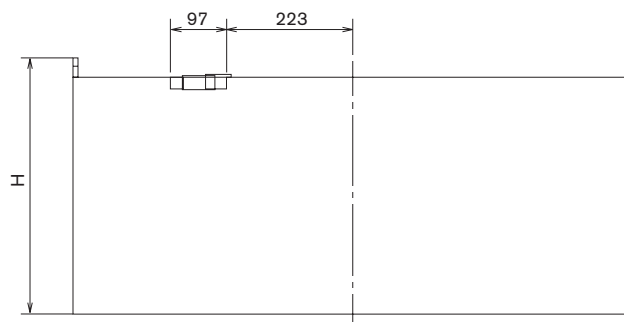
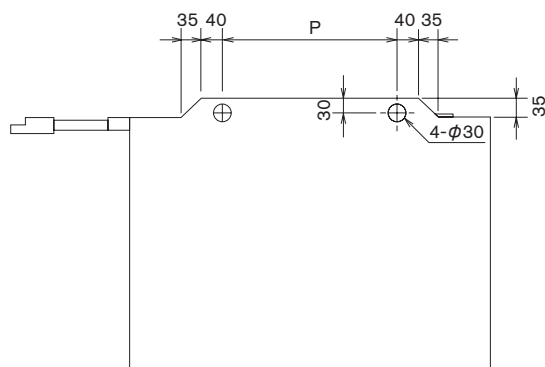
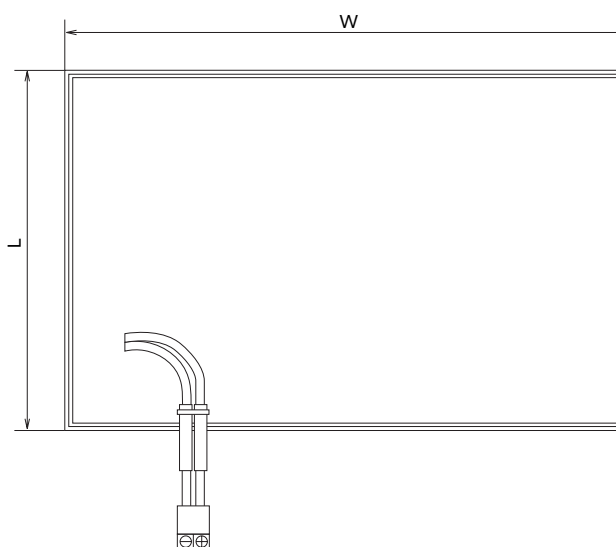
■ Battery and Battery Case Specifications

Unit:kg

Model	Body type	Min.	Max.	Optional battery
P1B2L20U	Standard compartment	710	1350	710
P1B2R20U P1B2R25U	Large compartment	805 895	1350 1350	1095
P1B2L25U	Standard compartment	865	1350	885
PG1B2L20U PG1B2L25U	Long wheel base	1150	1650	1370

■ Recommended Battery Case

				P1B2L20U	P1B2R20U	P1B2R25U	P1B2L25U	PG1B2L20U PG1B2L25U
Recommended battery case	Width	W	mm	980	980		980	980
	Length	L	mm	785	855		785	1010
	Height	H	mm	477	477		477	587
	Hook hole pitch	P	mm	411	417		411	493
Effective battery weight		Min.	kg	710	805	895	865	1150
		Max.	kg	1350	1350	1350	1350	1650
		Optional battery	kg	710	1095		885	1370
Battery connector type			General	Anderson SB 350(Gray)				
			CE area	Anderson SBE 320(Blue)				
Optional battery	Truck voltage		V	48	48		48	48
	Number of cell		PCS	24	24		24	24
	Capacity		AH / 5h	450	700		565	865



Optional Battery Charger

■ Off-Truck Type

Battery		Input voltage (V)*	Output current (A)	Weight kg	1B2
Voltage	Capacity (AH)				
48	450	200	80	44	○
		400		51	○
	485	200	100	60	
		400		61	
	545	200	100	60	
		400		61	
	565	200	100	60	○
		400		61	○
	600	200	100	60	
		400		61	
	700	200	130	61	○
		400		93	○
	865	200	165	98	○
		400		108	○

*Permissible voltage variation ranges between 190 and 230 volts for 200 volts and between 360 and 460 volts for 400 volts.

Unit Specification

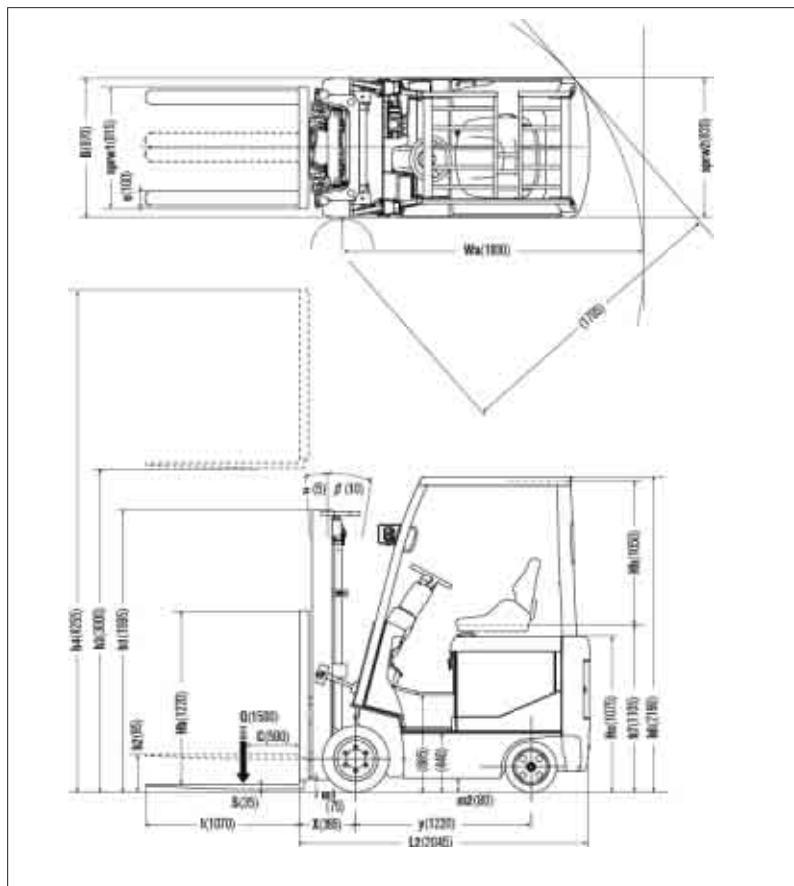
		P1B2-U	PG1B2-U
CONTROLLER	Traction control		Transistor chopper
	Hoist control		1 contactor
	Field weakening system		Not equipped
TRACTION MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	12
		E-model	8.5
HOIST PUMP MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	13.5
		E-model	9.5
STEERING WHEEL	Type		Fully hydrostatic power steering
	Control		-
	Steering gear type		-
	Steering wheel		Tilting type
DRIVE AXLE	Type		Full floating
	Reduction gear type		Helical
	Differential gear type		Bevel gear
STEERING AXLE	Type		Elliot
	Suspension type		Center pin,rubber mount type
BRAKE SYSTEM	Service brake		Hydraulic duo-servo with auto-adjuster.Operates on drive wheel
	Parking brake		Hoot type, mechanically operates on drive wheel
	Lining material		Non-asbestos
FRAME & BODY	Frame structure		Intergral,All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standard
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type
	Control valve		Sectional type with main relief valve and tilt lock valve
	Main releif valve set pressure		185 kg/cm2
	Lift cylinder		with flow regulator valve
	Suction filter		150-mesh,wire netting
	Micron filter		20-micron paper type (Cartridge type)
	Hydraulic tank capacity		44 liter 49 liter
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage	Class II	25:Class II 30:Class III
	Forks		Forged alloy steel,Hook type,Conform to ITA standard
INSTRUMENTS	Meters		Hour meter, Battery capacity meter
	Indications		Pilot light, Low voltage lock light, Parking brake warning light, Brake fluid warning light
	Switches		Lighting switch, Function switch

C1B1 U-model

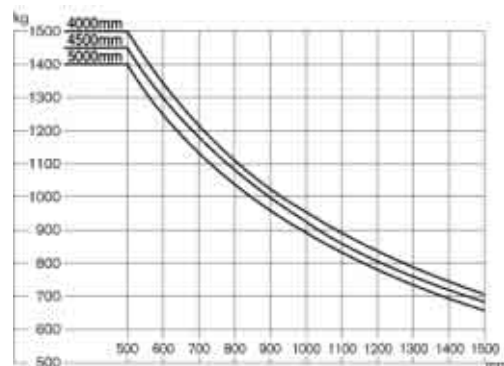
1.5

1.8ton
at 500mm
Load Center

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single
Front Tire Size	18×6×12-1/8
Overall Width	mm 970
Front Tread	mm 815

Ground Clearance

Under mast	mm	75
Under frame	mm	80

Mast Specifications & Rated Capacities

CK1B1L15U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward deg	Single tire Load center 500mm Kg
				Without backrest mm	With STD backrest mm					
Two stage (Wide view 2W)	2W270	2700	1805	3310	3955	95	95	395	5/10	1500
	2W300	3000	1955	3610	4255					1500
	2W330	3300	2105	3910	4555					1500
	2W350	3500	2240	4110	4755					1500
	2W370	3700	2365	4310	4955					1500
	2W400	4000	2555	4610	5255					1500
	2W450	4500	2805	5110	5755				5/5	1450
	2W500	5000	3055	5610	6255					1400
Two stage (Full free 2F)	2F270	2700	1805	3315	3955	1225	585	390	5/10	1500
	2F300	3000	1955	3615	4255	1375	735			1500
	2F330	3300	2105	3915	4555	1525	885			1500
	2F350	3500	2240	4115	4755	1660	1020			1500
	2F370	3700	2365	4315	4955	1785	1145			1500
	2F400	4000	2555	4615	5255	1995	1355			1500
Three stage (Full free 3F)	3F385	3850	1805	4465	5105	1225	585	390	5/5	1500
	3F430	4300	1955	4915	5555	1375	735			1400
	3F475	4750	2105	5365	6005	1525	885			1300
	3F515	5150	2240	5770	6410	1660	1020			1200
	3F550	5500	2365	6115	6755	1785	1145			1100
	3F600	6000	2555	6615	7255	1975	1335			750

Main Truck Specifications

Item					CK1B1L15U	
SPECIFICATIONS	1	Manufacturer			NISSAN	1
	2	Model			CK1B1L15U	2
	3	Load capacity	Q Load lifted	kg	1500	3
	4	Load center	C Distance	mm	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	6
	7	Tire type	front/rear		CUSH	7
	8	Wheels(X=driven)	Number	front/rear	2 × / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	9
	10	Free lift	h2 Standard free lift	mm	95	10
	13	Fork size	s.e.l	mm	35 × 100 × 1070	13
		Max. Fork Spread		mm	805	
		Min. Fork Spread		mm	205	
	14	Tilt range	α / β Mast forward/backward	deg	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2045	15
	16		B Overall width	mm	970	16
	17		h1 Height mast retracted	mm	1955	17
	18		h4 Height mast extended	mm	4255	18
	19		h6 Height overhead guard	mm	2190	19
	20		h7 Height of driver's seat	mm	1105	20
	21	Turning radius (outside)	Wa	mm	1800	21
	22	Load distance	X From center of front axle	mm	395	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm 3595 / 3395	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h 14.5	24
				no load	km/h 17.0	
	25		Lifting	full load	mm/s 435	25
				no load	mm/s 640	
	26		Lowering	full load	mm/s 500	26
				no load	mm/s 495	
	28	Max. drawber pull	full/no load		N 12045	28
	29	Gradeability at 2km/h	full/no load		% 24	29
	30	Max. gradeability	full/no load		% —	30
WEIGHTS	32	Truck weight	no load		kg 2940	32
	33	Weight distribution	full load	front/rear	kg 3825 / 615	33
	34		no load	front/rear	kg 1225 / 1715	34
CHASSIS & WHEELS	35	Tires	Number.	front/rear	each 2 / 2	35
	36		Size-front		18 × 6 × 12-1/8	36
	37		Size-rear		14 × 5 × 10	37
	38	Wheelbase	y	mm	1220	38
	39	Tread	sprw 1/sprw 2	front/rear	mm 815 / 820	39
		Backrest height	Hb top of backrest - upper of fork face	mm	1220	
		Overhead guard clearance	Hh	mm	1050	
		Counter weight height	Hc	mm	1075	
	40	Ground clearance	m1 Full load minimum	mast	mm 75	40
	41		m2 Full load center of wheelbase		mm 80	41
	42	Service brake	Mechanical/hydraulic/electric/pneu		Hyd. / Elec	42
	43	Parking brake	Foot/hand/seat switch		Foot	43
DRIVE LINE	45	Battery	Voltage/Capacity	min	V/AH 48 / 450	45
			(5 hour)	max	V/AH 48 / 600	
	46		weight(STD capacity type)	min-max	kg 835-1150	46
	47	Electric motors	drive		KW 9	47
	48		Load handling		KW 11	48
			Power steering		KW —	
	54	Control type	drive		MOS-INV	54
			Load handling		MOS-INV	
			Power steering		—	
	57	Operating pressure	for attachment		MPa 12.7	57

Main Truck Specifications

Item					CK1B1L18U			
SPECIFICATIONS	1	Manufacturer			NISSAN	1		
	2	Model			CK1B1L18U	2		
	3	Load capacity	Q	Load lifted	kg	1750	3	
	4	Load center	C	Distance	mm	500	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas			BAT	5	
	6	Operator type	Walkie, rider/stand, rider/seat			Rider / seat	6	
	7	Tire type	front/rear			CUSH	7	
	8	Wheels(X=driven)	Number	front/rear		2 × / 2	8	
DIMENSIONS	9	Maximum fork height	h3	Standard lift height	mm	3000	9	
	10	Free lift	h2	Standard free lift	mm	95	10	
	13	Fork size	s.e.l		mm	35 × 100 × 1070	13	
		Max. Fork Spread			mm	805		
		Min. Fork Spread			mm	205		
	14	Tilt range	α / β Mast forward/backward		deg	5 / 10	14	
	15	Overall measurement	L2	Length to fork face	mm	2050	15	
	16		B	Overall width	mm	970	16	
	17		h1	Height mast retracted	mm	1955	17	
	18		h4	Height mast extended	mm	4255	18	
	19		h6	Height overhead guard	mm	2190	19	
	20		h7	Height of driver's seat	mm	1105	20	
	21	Turning radius (outside)	Wa		mm	1800	21	
	22	Load distance	X	From center of front axle	mm	395	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm	3595 / 3395	23	
PERFORMANCE	24	Speeds	Travelling	full load	km/h	14.5	24	
	no load			km/h	16.5			
	Lifting		full load	mm/s	390	25		
			no load	mm/s	640			
	Lowering		full load	mm/s	500	26		
			no load	mm/s	495			
	28	Max. drawber pull	full/no load		N	12045	28	
29	Gradeability at 2km/h	full/no load		%	21.5	29		
30	Max. gradeability	full/no load		%	—	30		
WEIGHTS	32	Truck weight	no load		kg	3115	32	
	33	Weight distribution	full load	front/rear	kg	4210 / 655	33	
	34		no load	front/rear	kg	1180 / 1935	34	
CHASSIS & WHEELS	35		Number.	front/rear	each	2 / 2	35	
	36	Tires	Size-front			18×6×12-1/8	36	
	37		Size-rear			14×5×10	37	
	38	Wheelbase	y		mm	1220	38	
	39	Tread	sprw 1/sprw 2	front/rear	mm	815 / 820	39	
		Backrest height	Hb	top of backrest - upper of fork face	mm	1220		
		Overhead guard clearance	Hh		mm	1050		
		Counter weight height	Hc		mm	1075		
	40	Ground clearance	m1	Full load minimum	mast	mm	75	40
	41		m2	Full load center of wheelbase		mm	80	41
	42	Service brake	Mechanical/hydraulic/electric/pneu			Hyd. / Elec	42	
	43	Parking brake	Foot/hand/seat switch			Foot	43	
DRIVE LINE	45	Battery	Voltage/Capacity (5 hour)	min	V/AH	48 / 450	45	
			max	V/AH	48 / 600			
	46		weight(STD capacity type)	min-max	kg	835-975	46	
	47	Electric motors	drive		KW	9	47	
	48		Load handling		KW	11	48	
			Power steering		KW	—		
	54	Control type	drive			MOS-INV	54	
			Load handling			MOS-INV		
			Power steering			—		
	57	Operating pressure	for attachment		MPa	12.7	57	

Loading Capacity

CK1B1L15U												Unit:kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
STANDARD	2W 270	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 300	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 330	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 350	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 370	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 400	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2W 450	1450	1300	1180	1085	1000	925	865	810	765	720	680
	2W 500	1400	1255	1140	1045	965	895	835	785	735	695	660
	2F 270	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 300	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 330	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 350	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 370	1500	1345	1220	1120	1030	960	895	835	785	745	705
	2F 400	1500	1345	1220	1120	1030	960	895	835	785	745	705
	3F 385	1500	1350	1225	1125	1035	960	900	840	790	750	710
	3F 430	1400	1260	1145	1050	965	900	840	785	740	700	660
	3F 475	1300	1170	1060	975	900	835	780	730	685	650	615
	3F 515	1200	1080	980	900	830	770	720	675	635	600	565
	3F 550	1100	990	900	825	760	705	660	615	580	550	520
	3F 600	750	675	610	560	515	480	450	420	395	375	355

CK1B1L18U												Unit:kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
STANDARD	2W 270	1750	1570	1430	1310	1205	1120	1045	980	920	870	825
	2W 300	1750	1570	1430	1310	1205	1120	1045	980	920	870	825
	2W 330	1750	1570	1430	1310	1205	1120	1045	980	920	870	825
	2W 350	1750	1570	1430	1310	1205	1120	1045	980	920	870	825
	2W 370	1750	1570	1430	1310	1205	1120	1045	980	920	870	825
	2W 400	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2W 450	1550	1390	1265	1160	1070	990	925	865	815	770	730
	2W 500	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F 270	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 300	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 330	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 350	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 370	1750	1570	1425	1305	1205	1120	1040	975	920	865	820
	2F 400	1600	1435	1305	1195	1100	1020	955	895	840	795	750
	3F 385	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	3F 430	1500	1350	1225	1125	1035	960	900	840	790	750	710
	3F 475	1400	1260	1145	1050	965	900	840	785	740	700	660
	3F 515	1300	1170	1060	975	900	835	780	730	685	650	615
	3F 550	1200	1080	980	900	830	770	720	675	635	600	565
	3F 600	800	720	650	600	550	510	480	450	420	400	375

Truck Weight (Less Battery)

(kg)			
Mast type	Mast name	CK1B1L15U	CK1B1L18U
		STD	STD
Two stage (Wide view 2W)	2W270	2085	2265
	2W300	2105	2280
	2W330	2125	2300
	2W350	2140	2320
	2W370	2175	2355
	2W400	2200	2375
	2W450	2230	2410
	2W500	2260	2440
Two stage (Full free 2F)	2F270	2110	2295
	2F300	2135	2315
	2F330	2155	2335
	2F350	2170	2355
	2F370	2205	2390
	2F400	2235	2420
Three stage (Full free 3F)	3F385	2250	2430
	3F430	2280	2455
	3F475	2305	2485
	3F515	2335	2510
	3F550	2375	2550
	3F600	2410	2585
Truck weight without mast		1600	1775

Additional Truck Weight

■ Smooth-run System

	15-18	
	(KG)	(LBS)
Smooth-run System	+15	+35

■ Forks

Length mm (in)		Model	15-U	18 -U
Fork	Less fork		-80	-80
	850 (33.5)		-15	-15
	920 (36.2)		-10	-10
	1000 (39.4)		-5	-5
	1070 (42.1)		±0	±0
	1150 (45.3)		+5	+5
	1220 (48.0)		+5	+10
	1370 (53.9)		+15	+15

Supplement Data

Standard Specifications

Item	Model			C1B1
MOTOR	Traction motor	Type		AC induction
	Hoist pump motor	Type		AC induction
	P.S. motor	Type		—

High travel speed/High lifting speed model specifications

Item	Model				CK1B1L15U	CK1B1L18U
PERFORMANCE	Travel speed	Forward	full load	km/h	14.5	14.5
			no load	km/h	17.0	16.5
	Lifting Speed	2W mast	full load	mm/sec	435	390
			no load	mm/sec	640	640

Fork Availability

Model		●...Standard ○...Option	
Length mm (in)		C15,18-U	
Fork	Less fork	○	
	850	○	
	920	○	
	1000	○	
	1070	●	
	1150	○	
	1220	○	
	1370	○	
	1520	—	
Extension fork	1000	○(C15)	
	1100	○(C15)	
	1200	○	
	1300	○	
	1500	○	
	1700	—	
	1800	—	
	2000	—	

Right Angle Stacking Aisle [Ast] Mast 2W

Model		Unit:mm	
Pallet size length (b)×width		CK1B1L15U	CK1B1L18U
1000×1200		3395	3395
1200×800		3595	3595

Option Availability

●...Standard ○...Option

Item			C1B1-U
Battery	Less battery		●
	Battery (Wet type)		—
	Battery case		—
	Battery connector	EC type	○
		Standard type	●
Battery charger	OFF-truck type		—
Instruments	Multifunctional LCD Monitor	Battery capacity meter	●
		Hour meter	●
		Digital clock	●
		Warning display	●
		Speedometer	●
		Mode Indicator	●
Warning buzzer	Back-up buzzer		○
	Parking brake warning buzzer		●
Light	Head lights (without guard)		●
	Turn signal lamps		○
	Rear combination lamps		○
	Rear working light		○
Tires	Cushion tires		●
	Cushion tires (wide tread)		○
Body	Canvas cabin		—
	Windshield		—
	Floor mat		○
	Rain guard		—
	Rearview mirrors (both sides)		○
Seat	Restraint seat with suspension		●
	Without seat		○
Mast	2W mast		●
	2F mast		○
	3F mast		○
	Without mast		○
	Tilt cylinder boot & cover		○
	Tilt Leveling System (2W300 mast only)		○
Carriage & Backrest	Wide carriage		—
	High backrest		—
	Wide and high backrest		—
	Without backrest		○
Fork	Long forks		○
	Extension forks		○
	Without forks		○
F/R lever	F/R lever on left		●
	F/R lever on right		○
Steering system	Small-diameter steering wheel with tilt adjustment		●
	Steering Synchronizer		—
Hydraulic control system	2 spool valve		●
	3 spool valve		○
	4 spool valve		○
	Single control lever		○
	Double control lever		●
	3 spool piping to carriage		○
	4 spool piping to carriage		○
	Smooth-run System		○
Tool	Tool kit		—
	Tool kit with jack		—
Label	English		●
	German		○
	French		○
	Spanish		○
Attachment	Side shift (3 spool)		—
	Fork positioner		—

Fork Dimensions

	Width [W]×Thickness [T] mm (in)			
	C1B1U 15	C1B1U 18	C1B1S/E 15	C1B1S/E 18
850 (33.5)	100x35	100x35	—	—
920 (36.2)	100x35	100x35	100x40	100x40
1000 (39.4)	100x35	100x35	—	—
1070 (42.1)	100x35	100x35	100x40	100x40
1150 (45.3)	100x35	100x35	—	—
1220 (48.0)	100x35	100x38	100x40	100x40
1370 (53.9)	100x35	100x38	100x40	100x40
1520 (59.8)	—	—	100x40	100x40

Carriage & Backrest Dimensions

Carriage

Model		C1B1 15-18
Class		Class II
Number of rollers		6
Carriage width [W] mm	Standard	823
	Wide	—
Max. fork spread mm	Standard	803
	Wide	—

Backrest

Model		C1B1 15-18
Backrest height [H] mm	Standard	—
	High backrest	1255
Backrest width [L] ww	Standard	850
	High backrest	
Plate thickness [T] mm		12.7

Unit Specification

CK1B1-U			
CONTROLLER	Traction control		Transistor chopper
	Hoist control		1 contactor
	Field weakening system		Not equipped
TRACTION MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	9
		E-model	8.5
HOIST PUMP MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	11
		E-model	9.5
STEERING WHEEL	Type		Fully hydrostatic power steering
	Control		—
	Steering gear type		—
	Steering wheel		Tilting type
DRIVE AXLE	Type		Full floating
	Reduction gear type		Helical
	Differential gear type		Bevel gear
STEERING AXLE	Type		Elliot
	Suspension type		Center pin,rubber mount type
BRAKE SYSTEM	Service brake		Hydraulic duo-servo with auto-adjuster. Operates on drive wheel
	Parking brake		Hoot type, mechanically operates on drive wheel
	Lining material		Non-asbestos
FRAME & BODY	Frame structure		Intergral, All welded frame
	Overhead guard		Strength conforms to ISO, ANSI standard
HYDRAULIC SYSTEM	Hydraulic oil pump		Gear type
	Control valve		Sectional type with main relief valve and tilt lock valve
	Main releif valve set pressure		170 kg/cm2
	Lift cylinder		with flow regulator valve
	Suction filter		150-mesh, wire netting
	Micron filter		20-micron paper type (Cartridge type)
	Hydraulic tank capacity		25liter
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing
	Carriage		Class II
	Forks		Forged alloy steel,Hook type,Conform to ITA standard
INSTRUMENTS	Meters		Hour meter, Battery capacity meter
	Indications		Pilot light, Low voltage lock light, Parking brake warning light, Brake fluid warning light
	Switches		Lighting switch, Function switch

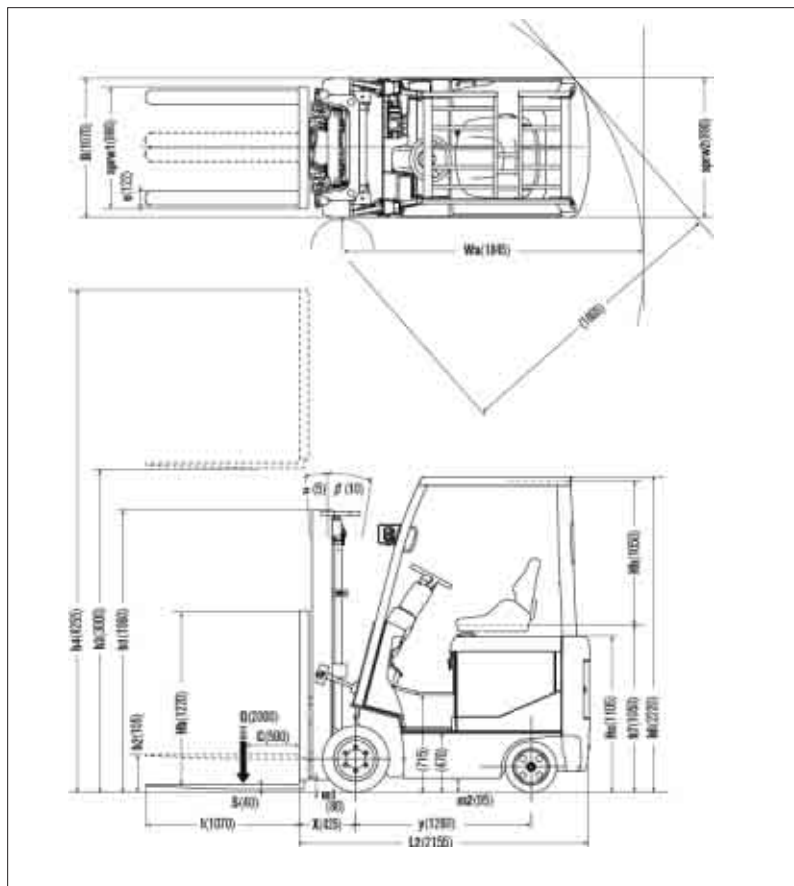
C1B2 U-model

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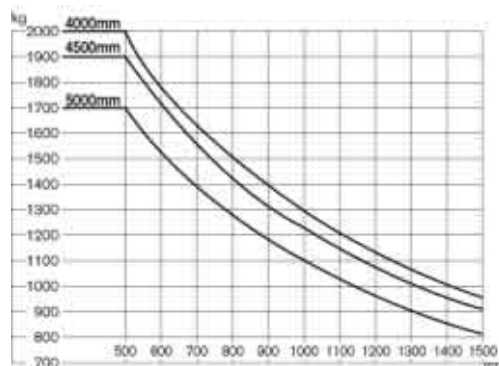
3.0_{ton}
at 500mm
Load Center

C1B1/2-U_{model}

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single
Front Tire Size	21 × 7 × 15
Overall Width	mm 1070
Front Tread	mm 890

Ground Clearance

Under mast	mm	80
Under frame	mm	95

Mast Specifications & Rated Capacities

CP1B2L20U

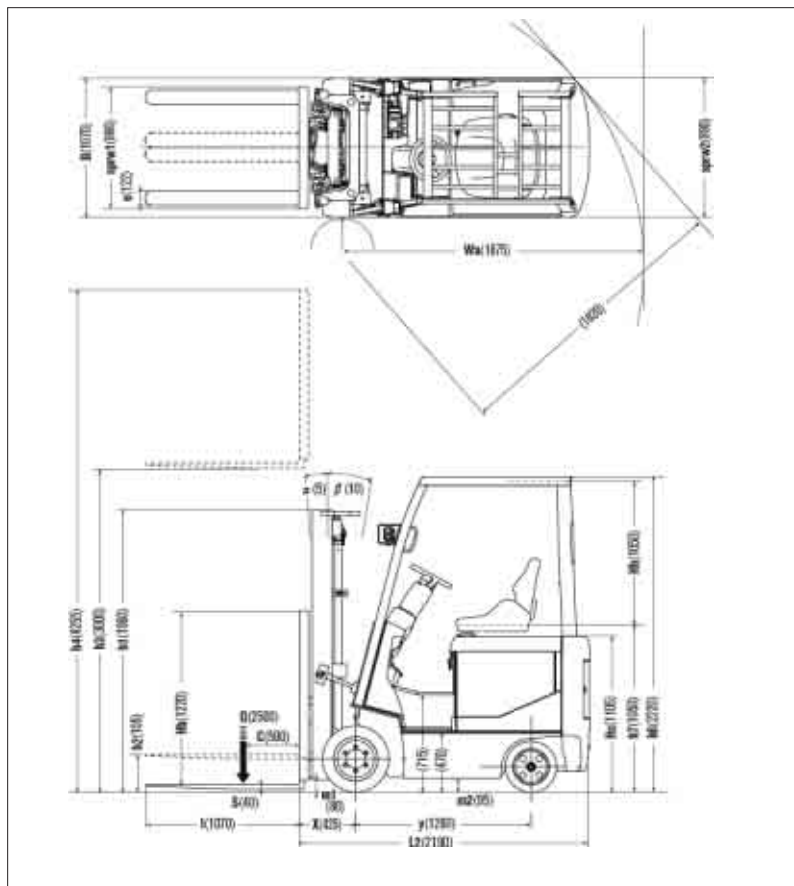
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500mm Kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (Wide view 2W)	2W270	2700	1810	3305	3955	105	105	425	5/10	2000
	2W300	3000	1960	3605	4255					2000
	2W330	3300	2110	3905	4555					2000
	2W350	3500	2245	4105	4755					2000
	2W370	3700	2370	4305	4955					2000
	2W400	4000	2560	4605	5255					2000
	2W450	4500	2810	5105	5755					2000
	2W500	5000	3060	5605	6255				5/5	1900
Two stage (Full free 2F)	2F270	2700	1810	3320	3955	1230	595	425	5/10	2000
	2F300	3000	1960	3620	4255	1380	745			2000
	2F330	3300	2110	3920	4555	1530	895			2000
	2F350	3500	2245	4120	4755	1665	1030			2000
	2F370	3700	2370	4320	4955	1790	1155			2000
	2F400	4000	2560	4620	5255	1980	1345			2000
	3F385	3850	1810	4470	5105	1230	595	405	5/5	2000
	3F430	4300	1960	4920	5555	1380	745			1950
Three stage (Full free 3F)	3F475	4750	2110	5370	6005	1530	895			1850
	3F515	5150	2245	5775	6410	1665	1030			1650
	3F550	5500	2370	6120	6755	1790	1155			1400
	3F600	6000	2560	6620	7255	1980	1345			900

Main Truck Specifications

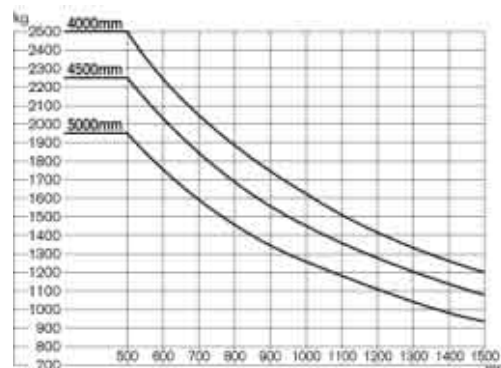
Item					CP1B2L20U	
SPECIFICATIONS	1	Manufacturer			NISSAN	1
	2	Model			CP1B2L20U	2
	3	Load capacity	Q Load lifted	kg	2000	3
	4	Load center	C Distance	mm	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	6
	7	Tire type	front/rear		CUSH	7
	8	Wheels(X=driven)	Number	front/rear	2 × / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	9
	10	Free lift	h2 Standard free lift	mm	105	10
	13	Fork size	s.e.l	mm	40 × 122 × 1070	13
		Max. Fork Spread		mm	900	
		Min. Fork Spread		mm	250	
	14	Tilt range	α / β Mast forward/backward	deg	5/10	14
	15	Overall measurement	L2 Length to fork face	mm	2155	15
	16		B Overall width	mm	1070	16
	17		h1 Height mast retracted	mm	1960	17
	18		h4 Height mast extended	mm	4255	18
	19		h6 Height overhead guard	mm	2220	19
	20		h7 Height of driver's seat	mm	1050	20
	21	Turning radius (outside)	Wa	mm	1845	21
	22	Load distance	X From center of front axle	mm	425	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm 3670 / 3470	23
PERFORMANCE	24	Speeds	Travelling	full load	km/h 16.5	24
				no load	km/h 17	
	25		Lifting	full load	mm/s 385	25
				no load	mm/s 605	
	26		Lowering	full load	mm/s 500	26
				no load	mm/s 495	
	28	Max. drawber pull	full/no load		N 15490	28
WEIGHTS	29	Gradeability at 2km/h	full/no load		% 24	29
	30	Max. gradeability	full/no load		% —	30
	32	Truck weight	no load		kg 3655	32
	33	Weight distribution	full load	front/rear	kg 4925 / 730	33
	34		no load	front/rear	kg 1455 / 2200	34
	35	Tires	Number.	front/rear	each 2 / 2	35
	36		Size-front		21 × 7 × 15	36
CHASSIS & WHEELS	37		Size-rear		16-1/4 × 6 × 11-1/4	37
	38	Wheelbase	y	mm	1260	38
	39	Tread	sprw 1/sprw 2	front/rear	mm 890 / 890	39
		Backrest height	Hb top of backrest - upper of fork face	mm	1220	
		Overhead guard clearance	Hh	mm	1050	
		Counter weight height	Hc	mm	1105	
	40	Ground clearance	m1 Full load minimum	mast	mm 80	40
	41		m2 Full load center of wheelbase		mm 95	41
	42	Service brake	Mechanical/hydraulic/electric/pneu		Hyd / Elec	42
	43	Parking brake	Foot/hand/seat switch		Foot	43
DRIVE LINE	45	Battery	Voltage/Capacity	min	V/AH 48 / 680	45
			(5 hour)	max	V/AH 48 / 800	
	46		weight(STD capacity type)	min-max	kg 1130-1390	46
	47	Electric motors	drive		KW 12	47
	48		Load handling		KW 13.5	48
			Power steering		KW —	
	54	Control type	drive		MOS-INV	54
			Load handling		MOS-INV	
			Power steering		—	
	57	Operating pressure	for attachment		MPa 12.7	57

C1B1/2-U_{model}

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2W Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single
Front Tire Size	21 × 7 × 15
Overall Width	mm 1070
Front Tread	mm 890

Ground Clearance

Under mast	mm	80
Under frame	mm	95

Mast Specifications & Rated Capacities

CP1B2L25U

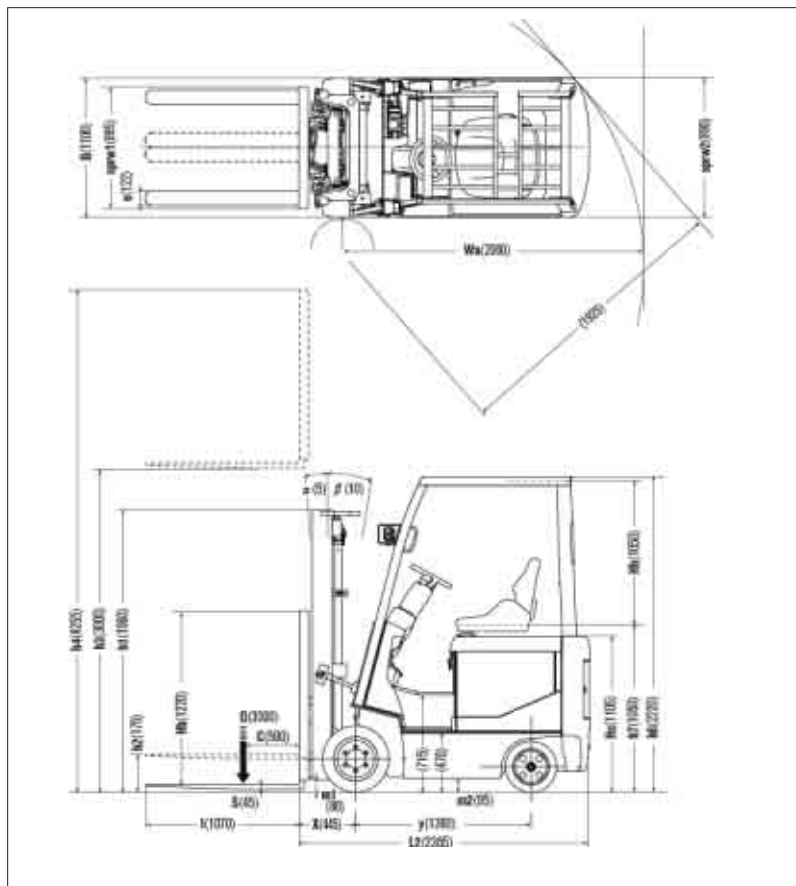
Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle Forward/ Backward deg	Capacity Single tire Load center 500mm Kg
			Fully lowered mm	Without backrest mm	With STD backrest mm	Without backrest mm	With STD backrest mm			
Two stage (Wide view 2W)	2W270	2700	1810	3305	3955	105	105	425	5/10	2500
	2W300	3000	1960	3605	4255					2500
	2W330	3300	2110	3905	4555					2500
	2W350	3500	2245	4105	4755					2500
	2W370	3700	2370	4305	4955					2500
	2W400	4000	2560	4605	5255					2500
	2W450	4500	2810	5105	5755					2250
	2W500	5000	3060	5605	6255				5/5	1950
Two stage (Full free 2F)	2F270	2700	1810	3320	3955	1230	595	425	5/10	2500
	2F300	3000	1960	3620	4255	1380	745			2500
	2F330	3300	2110	3920	4555	1530	895			2500
	2F350	3500	2245	4120	4755	1665	1030			2500
	2F370	3700	2370	4320	4955	1790	1155			2500
	2F400	4000	2560	4620	5255	1980	1345			2500
	2F450	4500	2810	5120	5755	2170	1535			2500
Three stage (Full free 3F)	3F385	3850	1810	4470	5105	1230	595	405	5/5	2500
	3F430	4300	1960	4920	5555	1380	745			2400
	3F475	4750	2110	5370	6005	1530	895			2300
	3F515	5150	2245	5775	6410	1665	1030			2100
	3F550	5500	2370	6120	6755	1790	1155			1700
	3F600	6000	2560	6620	7255	1980	1345			1450

Main Truck Specifications

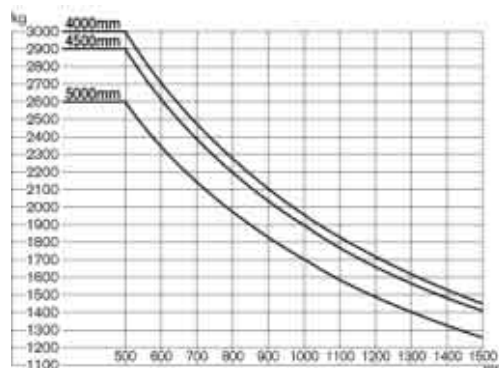
Item					CP1B2L25U			
SPECIFICATIONS	1	Manufacturer			NISSAN	1		
	2	Model			CP1B2L25U	2		
	3	Load capacity	Q	Load lifted	kg	2500	3	
	4	Load center	C	Distance	mm	500	4	
	5	Power unit	Battery, diesel, Gasoline, LP gas			BAT	5	
	6	Operator type	Walkie, rider/stand, rider/seat			Rider / seat	6	
	7	Tire type	front/rear			CUSH	7	
	8	Wheels(X=driven)	Number	front/rear		2× / 2	8	
DIMENSIONS	9	Maximum fork height	h3	Standard lift height	mm	3000	9	
	10	Free lift	h2	Standard free lift	mm	105	10	
	13	Fork size	s.e.l		mm	40×122×1070	13	
		Max. Fork Spread			mm	900		
		Min. Fork Spread			mm	250		
	14	Tilt range	α / β Mast forward/backward		deg	5 / 10	14	
	15	Overall measurement	L2	Length to fork face	mm	2190	15	
	16		B	Overall width	mm	1070	16	
	17		h1	Height mast retracted	mm	1960	17	
	18		h4	Height mast extended	mm	4255	18	
	19		h6	Height overhead guard	mm	2220	19	
	20		h7	Height of driver's seat	mm	1050	20	
	21	Turning radius (outside)	Wa		mm	1875	21	
	22	Load distance	X	From center of front axle	mm	425	22	
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200		mm	3700 / 3500	23	
PERFORMANCE	24	Speeds	Travelling	full load	km/h	15	24	
			no load	km/h	17			
	Lifting		full load	mm/s	345	25		
			no load	mm/s	605			
	Lowering		full load	mm/s	500	26		
			no load	mm/s	495			
	28	Max. drawber pull	full/no load		N	15490	28	
29	Gradeability at 2km/h	full/no load		%	20.5	29		
30	Max. gradeability	full/no load		%	—	30		
WEIGHTS	32	Truck weight	no load		kg	4045	32	
	33	Weight distribution	full load	front/rear	kg	5685 / 860	33	
	34		no load	front/rear	kg	1350/2695	34	
CHASSIS & WHEELS	35	Tires	Number.		front/rear	each	2 / 2	35
	36		Size-front			21×7×15	36	
	37		Size-rear			16-1/4×6×11-1/4	37	
	38	Wheelbase	y			mm	1260	38
	39	Tread	sprw 1/sprw 2	front/rear		mm	890 / 890	39
		Backrest height	Hb	top of backrest - upper of fork face		mm	1220	
		Overhead guard clearance	Hh			mm	1050	
		Counter weight height	Hc			mm	1105	
	40	Ground clearance	m1	Full load minimum	mast	mm	80	40
	41		m2	Full load center of wheelbase		mm	95	41
	42	Service brake	Mechanical/hydraulic/electric/pneu				Hyd / Elec	42
	43	Parking brake	Foot/hand/seat switch				Foot	43
DRIVE LINE	45	Battery	Voltage/Capacity (5 hour)	min	V/AH	48 / 680	45	
			max	V/AH	48 / 800			
	46		weight(STD capacity type) min-max		kg	1130-1390	46	
	47	Electric motors	drive		KW	12	47	
	48		Load handling		KW	13.5	48	
			Power steering		KW	—		
	54	Control type	drive			MOS-INV	54	
			Load handling			MOS-INV		
	Power steering			—				
57	Operating pressure	for attachment		MPa	12.7	57		

C1B1/2-U_{model}

Dimensions



Load Capacity Chart



No capacity reduction until 4000 mm height. Load capacities are computed with following conditions, a) Standard 2H Mast and b) Mast in vertical position.

Tire and Tread Specifications

Front Tire	single
Front Tire Size	22×8×16
Overall Width	mm 1100
Front Tread	mm 895

Ground Clearance

Under mast	mm	80
Under frame	mm	95

Mast Specifications & Rated Capacities

CPG1B2L30U

Mast type	Mast name	Max. fork Height mm	Overall height			Free lift		Front overhang mm	Tilt angle	Capacity
			Fully lowered mm	Fully extended		Without backrest mm	With STD backrest mm		Forward/ Backward deg	Single tire Load center 500mm Kg
				Without backrest mm	With STD backrest mm					
Two stage (High free 2H)	2H270	2700	1810	3345	3955	175	175	445	5/10	3000
	2H300	3000	1960	3645	4255					3000
	2H330	3300	2110	3945	4555					3000
	2H350	3500	2245	4145	4755					3000
	2H370	3700	2370	4345	4955	265	265			3000
	2H400	4000	2560	4645	5255					3000
	2H450	4500	2810	5145	5755				5/5	2900
	2H500	5000	3060	5645	6255					2600
Two stage (Full free 2F)	2F270	2700	1810	3320	3955	1235	600	450	5/10	3000
	2F300	3000	1960	3620	4255	1385	750			3000
	2F330	3300	2110	3920	4555	1535	900			3000
	2F350	3500	2245	4120	4755	1670	1035			3000
	2F370	3700	2370	4320	4955	1795	1160			3000
	2F400	4000	2560	4620	5255	1985	1350			2950
Three stage (Full free 3F)	3F385	3850	1960	4435	5105	1420	750	455	5/5	3000
	3F430	4300	2110	4885	5555	1570	900			2750
	3F475	4750	2245	5335	6005	1705	1035			2650
	3F515	5150	2370	5740	6410	1830	1160			2550
	3F550	5500	2560	6085	6755	2020	1350			2200
	3F600	6000	2810	6585	7255	2270	1600			1650

Main Truck Specifications

Item					CPG1B2L30U	
SPECIFICATIONS	1	Manufacturer			NISSAN	1
	2	Model			CPG1B2L30U	2
	3	Load capacity	Q Load lifted	kg	3000	3
	4	Load center	C Distance	mm	500	4
	5	Power unit	Battery, diesel, Gasoline, LP gas		BAT	5
	6	Operator type	Walkie, rider/stand, rider/seat		Rider / seat	6
	7	Tire type		front/rear	CUSH	7
	8	Wheels(X=driven)	Number	front/rear	2 × / 2	8
DIMENSIONS	9	Maximum fork height	h3 Standard lift height	mm	3000	9
	10	Free lift	h2 Standard free lift	mm	175	10
	13	Fork size	s.e.l	mm	45 × 122 × 1070	13
		Max. Fork Spread		mm	1000	
		Min. Fork Spread		mm	250	
	14	Tilt range	α / β Mast forward/backward	deg	5 / 10	14
	15	Overall measurement	L2 Length to fork face	mm	2365	15
	16		B Overall width	mm	1100	16
	17		h1 Height mast retracted	mm	1960	17
	18		h4 Height mast extended	mm	4255	18
	19		h6 Height overhead guard	mm	2220	19
	20		h7 Height of driver's seat	mm	1050	20
	21	Turning radius (outside)	Wa	mm	2060	21
	22	Load distance	X From center of front axle	mm	445	22
	23	Right angle stacking aisle	Ast pallets (L×W) 1200×800/1000×1200	mm	3905 / 3705	23
PERFORMANCE	24	Speeds	Travelling	full load km/h	14	24
				no load km/h	15	
	25		Lifting	full load mm/s	280	25
				no load mm/s	515	
	26		Lowering	full load mm/s	500	26
				no load mm/s	495	
	28	Max. drawber pull	full/no load	N	17825	28
WEIGHTS	29	Gradeability at 2km/h	full/no load	%	20	29
	30	Max. gradeability	full/no load	%	—	30
	32	Truck weight	no load	kg	4675	32
	33	Weight distribution	full load front/rear	kg	6690 / 985	33
	34		no load front/rear	kg	1605/3070	34
	35		Number. front/rear	each	2 / 2	35
	36	Tires	Size-front		22 × 8 × 16	36
CHASSIS & WHEELS	37		Size-rear		16-1/4 × 6 × 11-1/4	37
	38	Wheelbase	y	mm	1360	38
	39	Tread	sprw 1/sprw 2 front/rear	mm	895 / 890	39
		Backrest height	Hb top of backrest - upper of fork face	mm	1220	
		Overhead guard clearance	Hh	mm	1050	
		Counter weight height	Hc	mm	1105	
	40	Ground clearance	m1 Full load minimum mast	mm	80	40
	41		m2 Full load center of wheelbase	mm	95	41
	42	Service brake	Mechanical/hydraulic/electric/pneu		Hyd / Elec	42
	43	Parking brake	Foot/hand/seat switch		Foot	43
DRIVE LINE	45	Battery	Voltage/Capacity (5 hour)	min V/AH	48 / 850	45
				max V/AH	48 / 1000	
	46		weight(STD capacity type)	min-max kg	1520-1600	46
	47	Electric motors	drive	KW	12	47
	48		Load handling	KW	13.5	48
			Power steering	KW	—	
	54	Control type	drive		MOS-INV	54
			Load handling		MOS-INV	
			Power steering		—	
	57	Operating pressure	for attachment	MPa	12.7	57

Loading Capacity

CP1B2L20U												Unit:kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
STANDARD	2W 270	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 300	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 330	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 350	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 370	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 400	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 450	1900	1710	1560	1430	1325	1230	1150	1080	1015	960	910
	2W 500	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F 270	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 300	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 330	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 350	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 370	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 400	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	3F 385	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	955
	3F 430	1950	1755	1600	1470	1360	1260	1180	1105	1040	985	935
	3F 475	1850	1665	1520	1395	1290	1195	1120	1050	990	935	885
	3F 515	1650	1485	1355	1245	1150	1070	995	935	880	835	790
	3F 550	1400	1260	1150	1055	975	905	845	795	745	705	670
	3F 600	900	810	735	675	625	580	545	510	480	455	430
WIDE TREAD	2W 270	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 300	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 330	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 350	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 370	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 400	2000	1800	1640	1510	1395	1295	1210	1135	1070	1010	960
	2W 450	1950	1755	1600	1470	1360	1265	1180	1105	1045	985	935
	2W 500	1850	1665	1520	1395	1290	1200	1120	1050	990	935	885
	2F 270	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 300	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 330	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 350	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 370	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	2F 400	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	960
	3F 385	2000	1800	1640	1505	1395	1295	1210	1135	1070	1010	955
	3F 430	1950	1755	1600	1470	1360	1260	1180	1105	1040	985	935
	3F 475	1850	1665	1520	1395	1290	1195	1120	1050	990	935	885
	3F 515	1750	1575	1435	1320	1220	1135	1060	995	935	885	835
	3F 550	1600	1440	1315	1205	1115	1035	965	905	855	810	765
	3F 600	1350	1215	1105	1015	940	875	815	765	720	680	645

Loading Capacity

CP1B2L25U

Unit:kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
STANDARD	2W 270	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 300	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 330	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 350	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 370	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 400	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 450	2250	2030	1845	1695	1570	1460	1360	1280	1205	1140	1080
	2W 500	1950	1755	1600	1470	1360	1265	1180	1105	1045	985	935
	2F 270	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 300	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 330	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 350	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 370	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 400	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	3F 385	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1195
	3F 430	2400	2165	1970	1810	1670	1555	1450	1360	1285	1215	1150
	3F 475	2300	2075	1890	1735	1600	1490	1390	1305	1230	1160	1100
	3F 515	2100	1890	1725	1580	1465	1360	1270	1190	1120	1060	1005
	3F 550	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	3F 600	1450	1305	1190	1090	1010	940	875	820	775	730	695
WIDE TREAD	2W 270	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 300	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 330	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 350	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 370	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 400	2500	2255	2055	1885	1740	1620	1515	1420	1340	1265	1200
	2W 450	2450	2210	2010	1845	1710	1590	1485	1390	1310	1240	1175
	2W 500	2100	1895	1725	1585	1465	1360	1270	1195	1125	1060	1005
	2F 270	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 300	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 330	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 350	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 370	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	2F 400	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1200
	3F 385	2500	2255	2050	1885	1740	1620	1515	1420	1335	1265	1195
	3F 430	2400	2165	1970	1810	1670	1555	1450	1360	1285	1215	1150
	3F 475	2300	2075	1890	1735	1600	1490	1390	1305	1230	1160	1100
	3F 515	2200	1980	1805	1660	1530	1425	1330	1250	1175	1110	1055
	3F 550	1800	1620	1475	1355	1255	1165	1090	1020	960	910	860
	3F 600	1550	1395	1270	1165	1080	1005	935	880	830	780	740

Loading Capacity

PG1B2L30U												Unit:kg
Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
STANDARD	2H 270	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 300	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 330	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 350	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 370	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 400	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 450	2900	2620	2390	2200	2035	1895	1770	1665	1570	1485	1405
	2H 500	2600	2350	2145	1970	1825	1700	1590	1490	1405	1330	1260
	2F 270	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 300	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 330	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 350	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 370	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 400	2950	2665	2435	2240	2075	1930	1805	1695	1600	1510	1435
	3F 385	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	3F 430	2750	2485	2270	2090	1935	1800	1685	1580	1490	1410	1335
	3F 475	2650	2395	2185	2010	1860	1735	1620	1525	1435	1360	1290
	3F 515	2550	2305	2105	1935	1790	1670	1560	1465	1380	1305	1240
	3F 550	2200	1990	1815	1670	1545	1440	1345	1265	1190	1125	1070
	3F 600	1650	1490	1360	1250	1160	1080	1010	950	895	845	800
WIDE TREAD	2H 270	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 300	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 330	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 350	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 370	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 400	3000	2710	2475	2275	2105	1960	1835	1720	1625	1535	1455
	2H 450	2900	2620	2390	2200	2035	1895	1770	1665	1570	1485	1405
	2H 500	2800	2530	2310	2125	1965	1830	1710	1605	1515	1430	1360
	2F 270	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 300	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 330	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 350	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 370	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	2F 400	2950	2665	2435	2240	2075	1930	1805	1695	1600	1510	1435
	3F 385	3000	2710	2475	2280	2110	1965	1835	1725	1625	1540	1460
	3F 430	2850	2575	2350	2165	2005	1865	1745	1640	1545	1460	1385
	3F 475	2750	2485	2270	2090	1935	1800	1685	1580	1490	1410	1335
	3F 515	2650	2395	2185	2010	1860	1735	1620	1525	1435	1360	1290
	3F 550	2450	2215	2020	1860	1720	1605	1500	1410	1330	1255	1190
	3F 600	1900	1715	1565	1440	1335	1240	1160	1090	1030	975	925

Truck Weight (Less Battery)

(kg)

Mast type	Mast name	CP1B2L20U		CP1B2L25U		CPG1B2L30U	
		STD	WIDE TREAD	STD	WIDE TREAD	STD	WIDE TREAD
Two stage (Wide view 2W)	2W270	2505		2890		—	
	2W300	2525		2915		—	
	2W330	2550		2935		—	
	2W350	2570		2955		—	
	2W370	2610		3000		—	
	2W400	2640		3025		—	
	2W450	2675		3060		—	
	2W500	2710		3100		—	
Two stage (High free 2H)	2H270	—		—		3270	
	2H300	—		—		3280	
	2H330	—		—		3320	
	2H350	—		—		3345	
	2H370	—		—		3390	
	2H400	—		—		3420	
	2H450	—		—		3465	
	2H500	—		—		3510	
Two stage (Full free 2F)	2F270	2535		2925		3295	
	2F300	2560		2945		3320	
	2F330	2585		2970		3345	
	2F350	2605		2990		3370	
	2F370	2645		3030		3420	
	2F400	2675		3060		3455	
Three stage (Full free 3F)	3F385	2710		3095		3485	
	3F430	2740		3130		3525	
	3F475	2775		3160		3565	
	3F515	2805		3190		3605	
	3F550	2855		3240		3665	
	3F600	2895		3285		3715	
Truck weight without mast		1925		2310		2550	

Additional Truck Weight

■ Smooth-run System

	20-30	
	(KG)	(LBS)
Smooth-run System	+15	+35

■ Forks

Lengh mm (in)		Model	20,25-U	30-U
Fork	Less fork		-105	-130
	920 (36.2)		-10	-
	1000 (39.4)		-5	-
	1070 (42.1)		±0	±0
	1150 (45.3)		+5	+10
	1220 (48.0)		+10	+10
	1370 (53.9)		+25	+25

C1B2-U

Supplement Data

Standard Specifications

Item	Model			C1B2
MOTOR	Traction motor	Type		AC induction
	Hoist pump motor	Type		AC induction
	P.S. motor	Type		—

High travel speed/High lifting speed model specifications

Item	Model				CP1B2L20U	CP1B2L25U	CPG1B2L30U
PERFORMANCE	Travel speed	Forward	full load	km/h	16.5	15.0	14.0
			no load	km/h	17.0	17.0	15.0
	Lifting Speed	2W mast	full load	mm/sec	385	345	280(2H)
			no load	mm/sec	605	605	515(2H)

Fork Availability

Length mm (in)		Model		●...Standard ○...Option	
		C20,25-U	C30-U		
Fork	Less fork	○	○		
	850	—	—		
	920	○	○		
	1000	○	○		
	1070	●	●		
	1150	○	○		
	1220	○	○		
	1370	○	○		
	1520	—	—		
Extension fork	1000	—	—		
	1100	—	—		
	1200	○	○		
	1300	○	○		
	1500	○	○		
	1700	○	○		
	1800	○	○		
	2000	○	○		

Right Angle Stacking Aisle [Ast] Mast 2W

Pallet size length (b)×width		Unit:mm		
		Model	CP1B2L20U	CP1B2L25U
1000×1200		3470	3500	3705
1200×800		3670	3700	3905

Option Availability

●...Standard ○...Option

Item			C1B1-U
Battery	Less battery		●
	Battery (Wet type)		—
	Battery case		—
	Battery connector	EC type	○
		Standard type	●
Battery charger	OFF-truck type		—
Instruments	Multifunctional LCD Monitor	Battery capacity meter	●
		Hour meter	●
		Digital clock	●
		Warning display	●
		Speedometer	●
		Mode Indicator	●
Warning buzzer	Back-up buzzer		○
	Parking brake warning buzzer		●
Light	Head lights (without guard)		●
	Turn signal lamps		○
	Rear combination lamps		○
	Rear working light		○
Tires	Cushion tires		●
	Cushion tires (wide tread)		○
Body	Canvas cabin		—
	Windshield		—
	Floor mat		○
	Rain guard		—
	Rearview mirrors (both sides)		○
Seat	Restraint seat with suspension		●
	Without seat		○
Mast	2W mast		●
	2H mast		● (for 3.0t model only)
	2F mast		○
	3F mast		○
	Without mast		○
	Tilt cylinder boot & cover		○
	Tilt Leveling System (2W300 mast only)		○
Carriage & Backrest	Wide carriage		—
	High backrest		—
	Wide and high backrest		—
	Without backrest		○
Fork	Long forks		○
	Extension forks		○
	Without forks		○
F/R lever	F/R lever on left		●
	F/R lever on right		○
Steering system	Small-diameter steering wheel with tilt adjustment		●
	Steering Synchronizer		—
Hydraulic control system	2 spool valve		●
	3 spool valve		○
	4 spool valve		○
	Single control lever		○
	Double control lever		●
	3 spool piping to carriage		○
	4 spool piping to carriage		○
	Smooth-run System		○
Tool	Tool kit		—
	Tool kit with jack		—
Label	English		●
	German		○
	French		○
	Spanish		○
Attachment	Side shift (3 spool)		—
	Fork positioner		—

Fork Dimensions

	Width [W]×Thickness [T] mm (in)	
	C1B2U 20-25	C1B2U 30
850 (33.5)	—	—
920 (36.2)	122×40	—
1000 (39.4)	122×40	—
1070 (42.1)	122×40	122×45
1150 (45.3)	122×40	122×45
1220 (48.0)	122×40	122×45
1370 (53.9)	122×40	122×45
1520 (59.8)	—	—
1830 (72.0)	—	—

Carriage & Backrest Dimensions

Carriage

Model		C1B2 20-25	C1B2 30-35
Class		Class II	Class III
Number of rollers		6	6
Carriage width [W] mm	Standard	920	1020
	Wide	—	—
Max. fork spread mm	Standard	902	1000
	Wide	—	—

Backrest

Model		C1B2 20-25	C1B2 30-35
Backrest height [H] mm	Standard	—	—
	High backrest	1255	1255
Backrest width [L] ww	Standard	945	1045
	High backrest		
Plate thickness [T] mm		12.7	12.7

Unit Specification

		CP1B2-U	CPG1B2-U
CONTROLLER	Traction control	Transistor chopper	
	Hoist control	1 contactor	
	Field weakening system	Not equipped	
TRACTION MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	12
		E-model	8.5
HOIST PUMP MOTOR	Type	U/V/S-model	AC Induction
		E-model	AC Induction
	Voltage		48
	Rated output W/1h	U/V/S-model	13.5
		E-model	9.5
STEERING WHEEL	Type	Fully hydrostatic power steering	
	Control	—	
	Steering gear type	—	
	Steering wheel	Tilting type	
DRIVE AXLE	Type	Full floating	
	Reduction gear type	Helical	
	Differential gear type	Bevel gear	
STEERING AXLE	Type	Elliot	
	Suspension type	Center pin,rubber mount type	
BRAKE SYSTEM	Service brake	Hydraulic duo-servo with auto-adjuster. Operates on drive wheel	
	Parking brake	Hoot type, mechanically operates on drive wheel	
	Lining material	Non-asbestos	
FRAME & BODY	Frame structure	Integral,All welded frame	
	Overhead guard	Strength conforms to ISO, ANSI standard	
HYDRAULIC SYSTEM	Hydraulic oil pump	Gear type	
	Control valve	Sectional type with main relief valve and tilt lock valve	
	Main releif valve set pressure	185 kg/cm2	
	Lift cylinder	with flow regulator valve	
	Suction filter	150-mesh,wire netting	
	Micron filter	20-micron paper type (Cartridge type)	
	Hydraulic tank capacity	34 liter	39 liter
LOADING SYSTEM	Mast	All roller mast, Grease sealed roller bearing	
	Carriage	Class II	25:Class II 30:Class III
	Forks	Forged alloy steel,Hook type,Conform to ITA standard	
INSTRUMENTS	Meters	Hour meter, Battery capacity mete	
	Indicators	Pilot light, Low voltage lock light, Parking brake warning light, Brake fluid warning light	
	Switches	Lighting switch, Function switch	

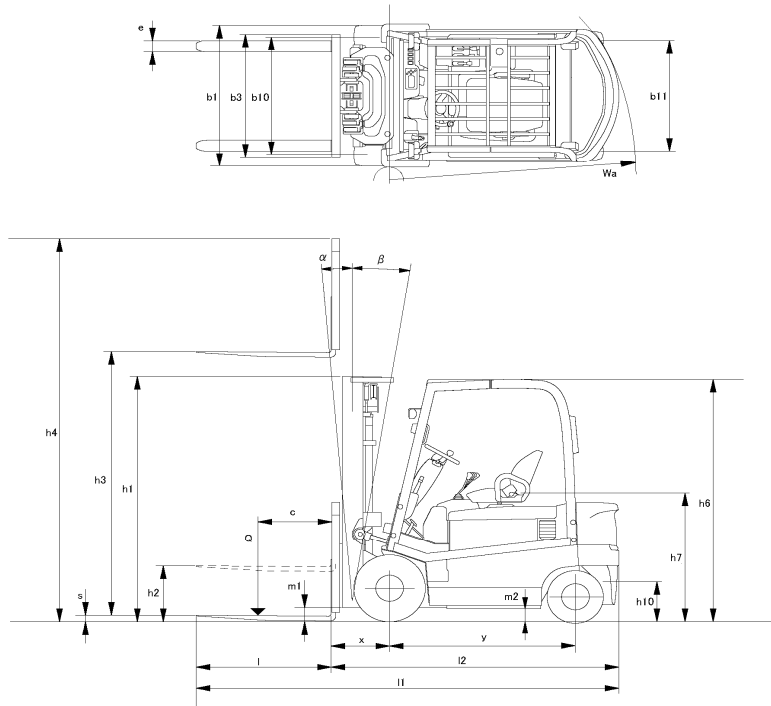
QX2

2.0



3.0 ton
at 600 mm
Load Center

Mast Specifications & Rated Capacities



Mast Specifications & Rated Capacities

QX2-20

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity
			Fully lowered	Fully extended		Without backrest	With STD backrest			
				Without backrest	With STD backrest					
		mm	mm	mm	mm	mm	mm	deg	kg	
Two stage (Wide view 2W)	2W300	3000	1995	3645	4045	150	150	465	5/8	2000
	2W330	3300	2145	3945	4345					2000
	2W350	3500	2280	4145	4545					2000
	2W370	3700	2405	4345	4745					2000
	2W400	4000	2595	4645	5045					2000
	2W450	4500	2845	5145	5545					2000
	2W500	5000	3095	5645	6045					1950
Two satage (Full free 2F)	2F300	3000	1995	3680	4045	1355	990	465	5/8	2000
	2F330	3300	2145	3980	4345	1505	1140			2000
	2F350	3500	2280	4180	4545	1640	1275			2000
	2F370	3700	2405	4380	4745	1765	1400			2000
	2F400	4000	2595	4680	5045	1955	1590			2000
Three stage (Full free 3F)	3F385	3850	1845	4530	4895	1210	840	465	5/5	2000
	3F430	4300	1995	4980	5345	1360	990			2000
	3F475	4750	2145	5430	5795	1510	1140			2000
	3F515	5150	2280	5830	6195	1645	1275			1900
	3F550	5500	2405	6180	6545	1770	1400			1800
	3F600	6000	2595	6680	7045	1960	1590			1650*
	3F650	6500	2845	7180	7545	2210	1840			1400*
	3F700	7000	3095	7680	8045	2460	2090			1150*
Three stage (Full free wide view 3F)	3V360	3600	1845	4225	4645	1130	840	525	5/5	1900
	3V405	4050	2015	4675	5095	1280	1010			1900
	3V450	4500	2145	5125	5545	1430	1140			1900
	3V490	4900	2280	5525	5945	1560	1275			1800
	3V525	5250	2405	5875	6295	1690	1400			1700
	3V575	5750	2595	6375	6795	1880	1590			1550*
	3V633	6330	2845	6925	7375	2130	1840			1300*
	3V688	6880	3095	7505	7925	2380	2090			1050*

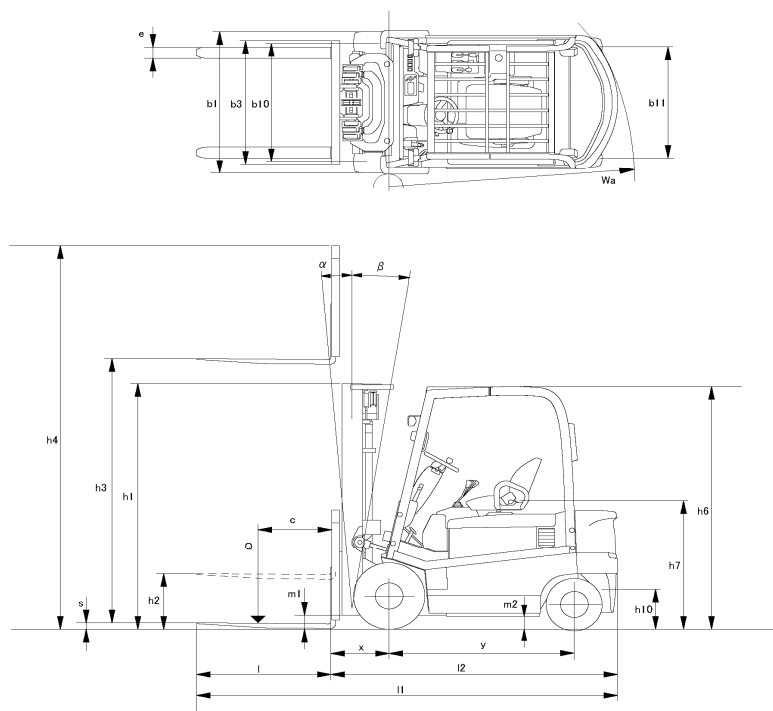
*: Load capacity with optional wide super elastic tires, overall width 1250 mm.

Main Truck Specifications

Item				QX2-20
CHARACTERISTICS	1.1	Manufacturer		Nissan
	1.2	Model name		1Q2L20Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others		Electric
	1.4	Operation: manual,pedestrian,stand on,order picker		driver seated
	1.5	Load capacity	Q (t)	2.0
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	465
	1.9	Wheel base	y (mm)	1515
WEIGHTS	2.1	Service weight (without battery)	kg	4395
	2.2	Axle load with load, front/rear	kg	5580/815
	2.3	Axle load without load, front/rear	kg	2305/2090
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)		SE / SE
	3.2	Tyre size, front		23x9- 10
	3.3	Tyre size, rear		18x7-8
	3.5	Wheels, number front/rear (x=driven)		2x/2
	3.6	Tread, front	b10(mm)	975
	3.7	Tread, rear	b11(mm)	970
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	5/8
	4.2	Standard mast height, fully lowered	h1 (mm)	1995
	4.3	Standard mast free lift	h2 (mm)	150
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	4255
	4.7	Overhead guard height	h6 (mm)	2235*
	4.8	Height of seat/stand on platform	h7 (mm)	1055
	4.12	Towing coupler height	h10 (mm)	230
	4.19	Overall length	l1 (mm)	3440
	4.20	Length to fork face	l2 (mm)	2340
	4.21	Overall width	b1(mm)	1180
	4.22	Fork dimensions	s/e/l (mm)	40x100x1100
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Ground clearance,mast	m1 (mm)	115
	4.32	Ground clearance,centre of wheel base	m2 (mm)	105
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3655
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3455
	4.35	Turning radius	Wa (mm)	1990
PERFORMANCE	5.1	Travelling speed with/without load	km/h	20.5/21
	5.2	Lifting speed with/without load	mm/s	510/650
	5.3	Lowering speed with/without load	mm/s	500/550
	5.6	Maximum drawbar pull, with/without load, 3 minutes rating	N	15735/15956
	5.7	Maximum gradeability with/without load, 5 minutes rating	%	19/30
	5.9	Acceleration with/without load	s	4.8/4.2
	5.10	Service brake		Hydraulic / Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	9.9
	6.2	Lift motor performance, 20% rating	kW	14.2
	6.3	Battery according		DIN43536A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	80/480
	6.5	Battery weight (±5%)	kg	1547
	6.6	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control		NISSAN AC TECH - MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no		-

*: Low overhead guard available as option: h6 = 2120mm.

Mast Specifications & Rated Capacities



Mast Specifications & Rated Capacities

QX2-25

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity	
			Fully lowered	Fully extended		Without backrest	With STD backrest			Load centre 500 mm	
				Without backrest	With STD backrest					1Q2L25CU	G1Q2L25CU
Two stage (Wide view 2W)	2W300	3000	1995	3645	4045	150	150	465	5/8	2500	2500
	2W330	3300	2145	3945	4345					2500	2500
	2W350	3500	2280	4145	4545					2500	2500
	2W370	3700	2405	4345	4745					2500	2500
	2W400	4000	2595	4645	5045					2500	2500
	2W450	4500	2845	5145	5545					2500	2500
	2W500	5000	3095	5645	6045					2450	2450
Two stage (Full free 2F)	2F300	3000	1995	3680	4045	1355	990	465	5/8	2500	2500
	2F330	3300	2145	3980	4345	1505	1140			2500	2500
	2F350	3500	2280	4180	4545	1640	1275			2500	2500
	2F370	3700	2405	4380	4745	1765	1400			2500	2500
	2F400	4000	2595	4680	5045	1955	1590			2500	2500
Three stage (Full free 3F)	3F385	3850	1845	4530	4895	1210	840	465	5/5	2500	2500
	3F430	4300	1995	4980	5345	1360	990			2500	2500
	3F475	4750	2145	5430	5795	1510	1140			2500	2500
	3F515	5150	2280	5830	6195	1645	1275			2300	2300
	3F550	5500	2405	6180	6545	1770	1400			2100	2100
	3F600	6000	2595	6680	7045	1960	1590			1850*	1850*
	3F650	6500	2845	7180	7545	2210	1840			1550*	1550*
	3F700	7000	3095	7680	8045	2460	2090			1300*	1300*
Three stage (Full free wide view 3F)	3V360	3600	1845	4225	4645	1130	840	525	5/5	2350	2350
	3V405	4050	2015	4675	5095	1280	1010			2350	2350
	3V450	4500	2145	5125	5545	1430	1140			2350	2350
	3V490	4900	2280	5525	5945	1560	1275			2150	2150
	3V525	5250	2405	5875	6295	1690	1400			2050*	2050*
	3V575	5750	2595	6375	6795	1880	1590			1750*	1750*
	3V633	6330	2845	6925	7375	2130	1840			1450*	1450*
	3V688	6880	3095	7505	7925	2380	2090			1200*	1200*

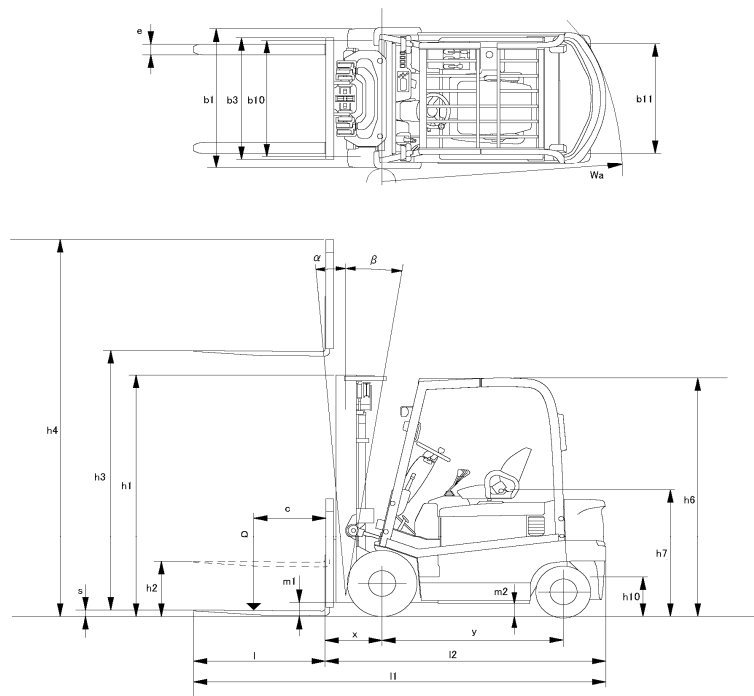
*: Load capacity with optional wide super elastic tires, overall truck width 1250 mm.

Main Truck Specifications

Item			QX2-25	
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	1Q2L25Q	G1Q2L25Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	Electric	Electric
	1.4	Operation: manual,pedestrian,stand on,order picker	driver seated	driver seated
	1.5	Load capacity	Q (t)	2.5
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	465
	1.9	Wheel base	y (mm)	1515
WEIGHTS	2.1	Service weight (without battery)	kg	4720
	2.2	Axle load with load, front/rear	kg	6360/860
	2.3	Axle load without load, front/rear	kg	2270/2450
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)	SE / SE	SE / SE
	3.2	Tyre size, front	23x9- 10	23x9-10
	3.3	Tyre size, rear	18x7-8	18x7-8
	3.5	Wheels, number front/rear (x=driven)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	975
	3.7	Tread, rear	b11(mm)	970
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	5/8
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	150
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	4255
	4.7	Overhead guard height	h6 (mm)	2235*
	4.8	Height of seat/stand on platform	h7 (mm)	1055
	4.12	Towing coupler height	h10 (mm)	230
	4.19	Overall length	l1 (mm)	3440
	4.20	Length to fork face	l2 (mm)	2340
	4.21	Overall width	b1(mm)	1180
	4.22	Fork dimensions	s/e/l (mm)	40x100x1100
	4.23	Fork carriage according to DIN 15173, class / form A,B	2A	2A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Ground clearance,mast	m1 (mm)	115
	4.32	Ground clearance,centre of wheel base	m2 (mm)	105
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3655
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3455
	4.35	Turning radius	Wa (mm)	1990
PERFORMANCE	5.1	Travelling speed with/without load	km/h	20/21
	5.2	Lifting speed with/without load	mm/s	470/650
	5.3	Lowering speed with/without load	mm/s	500/500
	5.6	Maximum drawbar pull, with/without load, 3 minutes rating	N	15735/15956
	5.7	Maximum gradeability with/without load, 5 minutes rating	%	16/27
	5.9	Acceleration with/without load	s	5.0/4.3
	5.10	Service brake	Hydraulic/Electric	Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	9.9
	6.2	Lift motor performance, 20% rating	kW	14.2
	6.3	Battery according	DIN43536A	DIN43536A
	6.4	Battery voltage/rated capacity (5h) *1	V/Ah	80/480
	6.5	Battery weight (±5%)	kg	1547
	6.6	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control	NISSAN AC TECH - MOS-FET inverter	
	8.2	Working pressure attachments	bar	127
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no	-	-

*: Low overhead guard available as option: h6 = 2120mm.

Mast Specifications & Rated Capacities



Mast Specifications & Rated Capacities

QX2-30 & QX2-30H

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang	Tilt angle	Load capacity			
			Fully lowered	Fully extended		Without backrest	With STD backrest			Std. Fork	Forward/backward	Load centre	
				Without backrest	With STD backrest							500 mm	600 mm
		mm	mm	mm	mm	mm	mm	mm	deg	kg			
Two stage (Wide view 2W)	2W300	3000	1995	3645	4140	155	155	475	5/8	3000	3000		
	2W330	3300	2145	3945	4440					3000	3000		
	2W350	3500	2280	4145	4640					3000	3000		
	2W370	3700	2405	4345	4840					3000	3000		
	2W400	4000	2595	4645	5140					3000	3000		
	2W450	4500	2845	5145	5640					2950	2950		
	2W500	5000	3095	5645	6140					2800	2800		
Two satage (Full free 2F)	2F300	3000	1995	3680	4140	1365	900	470	5/8	3000	3000		
	2F330	3300	2145	3990	4440	1515	1050			3000	3000		
	2F350	3500	2280	4180	4640	1650	1185			3000	3000		
	2F370	3700	2405	4380	4840	1775	1310			3000	3000		
	2F400	4000	2595	4680	5140	1965	1500			3000	3000		
Three stage (Full free 3F)	3F385	3850	1995	4480	4990	1410	900	475	5/5	3000	3000		
	3F430	4300	2145	4930	5440	1560	1050			3000	3000		
	3F475	4750	2280*3	5380	5890	1695	1185			2850	2850		
	3F515	5150	2405	5780	6290	1820	1310			2750	2750		
	3F550	5500	2595	6130	6640	2010	1500			2400	2400		
	3F600	6000	2845	6630	7140	2260	1750			2050	2050		
	3F650	6500	3095	7130	7640	2510	2000			1750	1750		
	3F700	7000	3345	7630	8140	2760	2250			1400	1400		
Three stage (Full free wide view 3F)	3V385	3850	1995	4480	4990	1280	900	535	5/5	2800	2800		
	3V430	4300	2145	4930	5440	1430	1050			2800	2800		
	3V470	4700	2280	5330	5840	1560	1185			2650	2650		
	3V505	5050	2405	5680	6190	1690	1310			2600	2600		
	3V555	5550	2595	6180	6690	1880	1500			2250	2250		
	3V600	6000	2845	6630	7140	2130	1750			1900	1900		
	3V650	6500	3095	7130	7640	2380	2000			1650	1650		
	3V700	7000	3345	7630	8140	2500	2250			1300	1300		

Main Truck Specifications

Item			QX2-30	QX2-30H
CHARACTERISTICS	1.1	Manufacturer	Nissan	Nissan
	1.2	Model name	G1Q2L30Q	G1Q2L30Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others	Electric	Electric
	1.4	Operation: manual,pedestrian,stand on,order picker	driver seated	driver seated
	1.5	Load capacity	Q (t)	3.0
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	475
	1.9	Wheel base	y (mm)	1660
WEIGHTS	2.1	Service weight (without battery)	kg	5175
	2.2	Axle load with load, front/rear	kg	7295/880
	2.3	Axle load without load, front/rear	kg	2530/2645
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)	SE / SE	SE / SE
	3.2	Tyre size, front	23x10-12	23x10-12
	3.3	Tyre size, rear	18x7-8	18x7-8
	3.5	Wheels, number front/rear (x=driven)	2x/2	2x/2
	3.6	Tread, front	b10(mm)	1015
	3.7	Tread, rear	b11(mm)	970
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	a/B (°)	5/8
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	155
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	4255
	4.7	Overhead guard height	h6 (mm)	2235*
	4.8	Height of seat/stand on platform	h7 (mm)	1055
	4.12	Towing coupler height	h10 (mm)	230
	4.19	Overall length	l1 (mm)	3595
	4.20	Length to fork face	l2 (mm)	2495
	4.21	Overall width	b1(mm)	1250
	4.22	Fork dimensions	s/e/l (mm)	45x100x1100
	4.23	Fork carriage according to DIN 15173, class / form A,B	3A	3A
	4.24	Carriage width	b3 (mm)	1020
	4.31	Ground clearance,mast	m1 (mm)	115
	4.32	Ground clearance,centre of wheel base	m2 (mm)	105
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3815
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3615
	4.35	Turning radius	Wa (mm)	2140
PERFORMANCE	5.1	Travelling speed with/without load	km/h	18.5/21
	5.2	Lifting speed with/without load	mm/s	450/550
	5.3	Lowering speed with/without load	mm/s	500/500
	5.6	Maximum drawbar pull, with/without load, 3 minutes rating	N	15735/15956
	5.7	Maximum gradeability with/without load, 5 minutes rating	%	14/24
	5.9	Acceleration with/without load	s	5.0/4.7
	5.10	Service brake	Hydraulic/Electric	Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	9.9
	6.2	Lift motor performance, 20% rating	kW	14.2
	6.3	Battery according	DIN43536A	DIN43536A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	80/600
	6.5	Battery weight (±5%)	kg	1872
	6.6	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control	NISSAN AC TECH - MOS-FET inverter	NISSAN AC TECH - MOS-FET inverter
	8.2	Working pressure attachments	bar	127
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no	-	-

*: Low overhead guard available as option: h6 = 2120 mm.

Loading Capacity

QX2-20 <FORK>

Unit: kg

Mast name \ Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 450	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 500	1950	1765	1615	1485	1375	1280	1200	1130	1065	1005	955
		2F 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		3F 385	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 430	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 475	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 515	1900	1720	1570	1450	1340	1250	1170	1100	1035	980	930
		3F 550	1800	1630	1490	1370	1270	1185	1110	1040	985	930	880
		3F 600	1550	1400	1280	1180	1095	1020	955	895	845	800	760
		3F 650	1250	1130	1035	950	880	820	770	725	680	645	610
		3F 700	1000	905	825	760	705	655	615	580	545	515	490
		3V 360	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 405	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 450	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 490	1800	1640	1505	1390	1295	1210	1135	1070	1010	955	910
		3V 525	1700	1545	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1450	1320	1210	1120	1040	975	915	860	815	770	730
		3V 633	1150	1045	960	890	825	770	725	680	645	610	580
		3V 688	950	865	795	735	680	635	595	560	530	505	480
	Wide single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 450	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 500	1950	1765	1615	1485	1375	1280	1200	1130	1065	1005	955
		2F 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		3F 385	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 430	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 475	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 515	1900	1720	1570	1450	1340	1250	1170	1100	1035	980	930
		3F 550	1800	1630	1490	1370	1270	1185	1110	1040	985	930	880
		3F 600	1650	1495	1365	1255	1165	1085	1015	955	900	850	810
		3F 650	1400	1265	1160	1065	990	920	860	810	765	725	685
		3F 700	1150	1040	950	875	810	755	705	665	625	595	565
		3V 360	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 405	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 450	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 490	1800	1640	1505	1390	1295	1210	1135	1070	1010	955	910
		3V 525	1700	1545	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1550	1410	1295	1195	1115	1040	975	920	870	825	785
		3V 633	1300	1180	1085	1005	935	870	820	770	730	690	655
		3V 688	1050	955	875	810	755	705	660	620	590	555	530

Loading Capacity

QX2-25 <FORK>

Unit: kg

SXL 25 (1.000)		Load center		SXL 25 (1.000)									SXL 25 (1.000)	
		Mast name	500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 400	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 450	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 500	2400	2170	1985	1830	1695	1580	1480	1390	1310	1240	1175	
		2F 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 400	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		3F 385	2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
		3F 430	2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
		3F 475	2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
		3F 515	2300	2080	1905	1755	1625	1515	1415	1330	1255	1190	1130	
		3F 550	2100	1900	1740	1600	1485	1380	1295	1215	1145	1085	1030	
		3F 600	1700	1540	1405	1295	1200	1120	1045	985	930	880	835	
		3F 650	1350	1220	1115	1030	950	885	830	780	735	695	660	
		3F 700	1100	995	910	835	775	725	675	635	600	565	540	
		3V 360	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
		3V 405	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
		3V 450	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
		3V 490	2150	1955	1795	1660	1545	1445	1355	1275	1205	1145	1085	
		3V 525	2000	1820	1670	1545	1435	1345	1260	1185	1120	1065	1010	
		3V 575	1600	1455	1335	1235	1150	1075	1005	950	895	850	810	
		3V 633	1300	1180	1085	1005	935	870	820	770	730	690	655	
		3V 688	1050	955	875	810	755	705	660	620	590	555	530	
		Wide single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
	2W 400		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2W 450		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2W 500		2400	2170	1985	1830	1695	1580	1480	1390	1310	1240	1175	
	2F 300		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 330		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 350		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 370		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 400		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	3F 385		2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
	3F 430		2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
	3F 475		2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
	3F 515		2300	2080	1905	1755	1625	1515	1415	1330	1255	1190	1130	
	3F 550		2150	1945	1780	1640	1520	1415	1325	1245	1175	1110	1055	
	3F 600		1850	1675	1530	1410	1305	1215	1140	1070	1010	955	905	
	3F 650		1550	1400	1280	1180	1095	1020	955	895	845	800	760	
	3F 700		1300	1175	1075	990	915	855	800	750	710	670	635	
	3V 360		2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
	3V 405		2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
	3V 450		2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
	3V 490		2150	1955	1795	1660	1545	1445	1355	1275	1205	1145	1085	
	3V 525		2050	1865	1715	1585	1475	1375	1290	1215	1150	1090	1035	
	3V 575		1750	1590	1460	1350	1255	1175	1100	1040	980	930	885	
	3V 633		1450	1320	1210	1120	1040	975	915	860	815	770	730	
	3V 688		1200	1090	1000	925	860	805	755	710	670	635	605	

QX2

Loading Capacity

QX2-30 <FORK>

Unit: kg

Load center Mast name		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Wide Single tires	2W 300	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 330	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 350	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 370	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 400	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 450	2950	2675	2445	2255	2090	1950	1825	1715	1620	1530	1455
		2W 500	2800	2535	2320	2140	1985	1850	1730	1630	1535	1455	1380
		2F 300	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 330	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 350	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 370	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 400	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		3F 385	3000	2720	2485	2290	2125	1980	1855	1740	1645	1555	1475
		3F 430	3000	2720	2485	2290	2125	1980	1855	1740	1645	1555	1475
		3F 475	2850	2580	2360	2175	2015	1880	1760	1655	1560	1480	1405
		3F 515	2750	2490	2280	2100	1945	1815	1700	1595	1505	1425	1355
		3F 550	2400	2175	1990	1830	1700	1585	1480	1395	1315	1245	1180
		3F 600	2050	1855	1700	1565	1450	1350	1265	1190	1125	1060	1010
		3F 650	1750	1585	1450	1335	1240	1155	1080	1015	960	905	860
		3F 700	1400	1265	1160	1070	990	920	865	810	765	725	690
		3V 385	2800	2550	2345	2165	2015	1885	1770	1665	1575	1495	1420
		3V 430	2800	2550	2345	2165	2015	1885	1770	1665	1575	1495	1420
		3V 470	2650	2415	2220	2050	1910	1785	1675	1575	1490	1415	1345
		3V 505	2600	2370	2175	2010	1870	1750	1640	1545	1465	1385	1320
		3V 555	2250	2050	1885	1740	1620	1515	1420	1340	1265	1200	1140
		3V 600	1900	1730	1590	1470	1365	1280	1200	1130	1070	1015	965
		3V 650	1650	1500	1380	1275	1185	1110	1040	980	925	880	835
		3V 700	1300	1185	1085	1005	935	875	820	770	730	690	660

QX2-30H <FORK>

Load center		500	600	700
Mast	name			
Super Elastic Tires	Wide Single tires	2W 300	3000	2760
		2W 330	3000	2760
		2W 350	3000	2760
		2W 370	3000	2760
		2W 400	3000	2745
		2W 450	3000	2950
		2W 500	3000	2800
		2F 300	3000	2760
		2F 330	3000	2760
		2F 350	3000	2760
		2F 370	3000	2760
		2F 400	3000	2745
		3F 385	3000	2750
		3F 430	3000	2745
		3F 475	3000	2850
		3F 515	3000	2750
		3F 550	2650	2400
		3F 600	2260	2050
		3F 650	1930	1750
		3F 700	1545	1400
		3V 385	3000	2800
		3V 430	3000	2800
		3V 470	2910	2650
		3V 505	2850	2600
		3V 555	2470	2250
		3V 600	2085	1900
		3V 650	1810	1650
		3V 700	1425	1300

Loading Capacity

QX2-20 <HOOK-ON SIDE SHIFT>

Unit: kg

Load center Mast name		500	600	700	800	900	1000	1100	1200	1300	1400	1500		
Super Elastic Tires	Single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2W 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2W 450	1950	1775	1630	1505	1400	1310	1230	1155	1090	1035	980	
		2W 500	1900	1730	1585	1465	1365	1275	1195	1125	1065	1005	955	
		2F 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2F 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2F 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2F 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		2F 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
		3F 385	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980	
		3F 430	1950	1775	1630	1505	1400	1310	1230	1155	1090	1035	980	
		3F 475	1850	1685	1545	1430	1330	1240	1165	1095	1035	985	935	
		3F 515	1800	1640	1505	1390	1295	1210	1135	1065	1010	955	910	
		3F 550	1750	1590	1460	1350	1255	1175	1100	1040	980	930	880	
		3F 600	1500	1365	1255	1160	1075	1005	945	890	840	795	755	
		3F 650	1200	1090	1000	925	860	805	755	710	670	635	605	
		3F 700	950	865	795	735	680	635	595	560	530	505	480	
		3V 360	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960	
		3V 405	1850	1690	1560	1450	1350	1265	1190	1125	1065	1010	960	
		3V 450	1750	1600	1475	1370	1275	1195	1125	1060	1005	955	910	
		3V 490	1700	1555	1435	1330	1240	1160	1095	1030	975	930	885	
		3V 525	1650	1510	1390	1290	1205	1130	1060	1000	950	900	855	
		3V 575	1400	1280	1180	1095	1020	955	900	850	805	765	725	
		3V 633	1100	1005	925	860	800	750	705	665	630	600	570	
		3V 688	900	820	760	705	655	615	580	545	515	490	465	
		Wide Single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
			2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
			2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
			2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
	2W 400		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	2W 450		1950	1775	1630	1505	1400	1310	1230	1155	1090	1035	980	
	2W 500		1900	1730	1585	1465	1365	1275	1195	1125	1065	1005	955	
	2F 300		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	2F 330		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	2F 350		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	2F 370		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	2F 400		2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980	
	3F 385		2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980	
	3F 430		1950	1775	1630	1505	1400	1310	1230	1155	1090	1035	980	
	3F 475		1850	1685	1545	1430	1330	1240	1165	1095	1035	985	935	
	3F 515		1800	1640	1505	1390	1295	1210	1135	1065	1010	955	910	
	3F 550		1750	1590	1460	1350	1255	1175	1100	1040	980	930	880	
	3F 600		1600	1455	1335	1235	1150	1075	1005	950	895	850	810	
	3F 650		1350	1230	1125	1040	970	905	850	800	755	715	680	
	3F 700		1100	1000	920	850	790	735	690	650	615	585	555	
	3V 360		1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960	
	3V 405		1850	1690	1560	1450	1350	1265	1190	1125	1065	1010	960	
	3V 450		1750	1600	1475	1370	1275	1195	1125	1060	1005	955	910	
	3V 490		1700	1555	1435	1330	1240	1160	1095	1030	975	930	885	
	3V 525		1650	1510	1390	1290	1205	1130	1060	1000	950	900	855	
	3V 575		1500	1370	1265	1175	1095	1025	965	910	860	820	780	
	3V 633		1250	1140	1055	975	910	855	805	760	720	680	650	
	3V 688		1000	915	840	780	730	685	640	605	575	545	520	

QX2

Loading Capacity

QX2-25 <HOOK-ON SIDE SHIFT>

Unit: kg

Mast name \ Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 400	2450	2230	2050	1895	1760	1645	1540	1445	1365	1290	1225
		2W 450	2400	2185	2005	1855	1725	1610	1510	1425	1345	1275	1210
		2W 500	2350	2140	1965	1815	1690	1575	1480	1390	1310	1240	1175
		2F 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 400	2450	2230	2050	1895	1760	1645	1540	1445	1365	1290	1225
		3F 385	2450	2230	2050	1895	1760	1645	1540	1450	1365	1290	1225
		3F 430	2400	2185	2005	1855	1725	1610	1510	1425	1345	1275	1215
		3F 475	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190
		3F 515	2250	2050	1880	1740	1615	1510	1415	1330	1255	1190	1130
		3F 550	2050	1865	1715	1585	1470	1375	1290	1215	1145	1085	1030
		3F 600	1650	1500	1380	1275	1185	1105	1040	980	925	875	835
		3F 650	1300	1180	1085	1005	935	870	820	770	730	690	655
		3F 700	1050	955	875	810	755	705	660	620	585	555	530
	3V 360	2300	2105	1940	1800	1680	1575	1480	1395	1320	1250	1190	
	3V 405	2250	2060	1900	1760	1640	1540	1450	1365	1295	1230	1170	
	3V 450	2200	2010	1855	1720	1605	1505	1415	1335	1265	1200	1145	
	3V 490	2100	1920	1770	1645	1535	1435	1350	1275	1205	1145	1085	
	3V 525	1950	1785	1645	1525	1425	1335	1255	1185	1120	1065	1010	
	3V 575	1550	1415	1305	1210	1130	1060	995	940	890	845	805	
	3V 633	1200	1095	1010	940	875	820	770	730	690	655	625	
	3V 688	1000	915	840	780	730	685	640	605	575	545	520	
	Wide Single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2W 400	2450	2230	2050	1895	1760	1645	1540	1445	1365	1290	1225
		2W 450	2400	2185	2005	1855	1725	1610	1510	1425	1345	1275	1210
		2W 500	2350	2140	1965	1815	1690	1575	1480	1390	1310	1240	1175
		2F 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
		2F 400	2450	2230	2050	1895	1760	1645	1540	1445	1365	1290	1225
		3F 385	2450	2230	2050	1895	1760	1645	1540	1450	1365	1290	1225
		3F 430	2400	2185	2005	1855	1725	1610	1510	1425	1345	1275	1215
		3F 475	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190
		3F 515	2250	2050	1880	1740	1615	1510	1415	1330	1255	1190	1130
		3F 550	2050	1865	1715	1585	1470	1375	1290	1215	1150	1090	1035
		3F 600	1800	1640	1505	1390	1295	1210	1135	1065	1010	955	905
		3F 650	1500	1365	1255	1160	1075	1005	945	890	840	795	755
		3F 700	1250	1135	1045	965	895	840	785	740	700	665	630
		3V 360	2300	2105	1940	1800	1680	1575	1480	1395	1320	1250	1190
		3V 405	2250	2060	1900	1760	1640	1540	1450	1365	1295	1230	1170
		3V 450	2200	2010	1855	1720	1605	1505	1415	1335	1265	1200	1145
		3V 490	2100	1920	1770	1645	1535	1435	1350	1275	1205	1145	1085
		3V 525	1950	1785	1645	1525	1425	1335	1255	1185	1120	1065	1015
		3V 575	1700	1555	1435	1330	1240	1160	1095	1030	975	930	885
		3V 633	1400	1280	1180	1095	1020	955	900	850	805	765	725
		3V 688	1150	1050	970	900	840	785	740	695	660	625	595

Loading Capacity

QX2-30 <HOOK-ON SIDE SHIFT>

Unit: kg

Load center Mast name		Sizing											
		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Wide Single tires	2W 300	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 330	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 350	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 370	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 400	2900	2645	2430	2250	2090	1955	1835	1730	1635	1550	1475
		2W 450	2800	2550	2345	2170	2020	1890	1775	1670	1580	1500	1425
		2W 500	2700	2460	2260	2095	1950	1820	1710	1610	1525	1445	1375
		2F 300	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 330	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 350	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 370	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 400	2900	2640	2430	2245	2090	1955	1835	1730	1635	1550	1475
		3F 385	2900	2640	2430	2245	2090	1955	1835	1730	1635	1550	1475
		3F 430	2800	2550	2345	2170	2020	1885	1770	1670	1580	1495	1425
		3F 475	2700	2460	2260	2090	1945	1820	1710	1610	1520	1445	1370
		3F 515	2600	2370	2175	2015	1875	1750	1645	1550	1465	1390	1320
		3F 550	2350	2140	1970	1820	1695	1585	1480	1395	1315	1245	1180
		3F 600	2000	1820	1675	1550	1440	1345	1265	1190	1125	1060	1010
		3F 650	1700	1550	1425	1315	1225	1145	1075	1010	955	905	860
		3F 700	1350	1230	1130	1045	970	910	855	805	760	720	685
		3V 385	2700	2475	2280	2120	1980	1855	1745	1650	1560	1485	1410
		3V 430	2600	2380	2200	2040	1905	1785	1680	1585	1505	1430	1360
		3V 470	2500	2290	2115	1960	1830	1715	1615	1525	1445	1375	1305
		3V 505	2450	2245	2070	1925	1795	1680	1585	1495	1415	1345	1280
		3V 555	2200	2015	1860	1725	1610	1510	1420	1340	1265	1200	1140
		3V 600	1850	1695	1565	1450	1355	1270	1195	1130	1070	1015	965
		3V 650	1550	1420	1310	1215	1135	1065	1000	945	895	850	810
		3V 700	1250	1145	1055	980	915	855	805	760	720	685	650

QX2-30H <HOOK-ON SIDESHIFT>

Load center		500	600	700
Mast name				
Super Elastic Tires	Wide Single tires	2W 300	3000	2760
		2W 330	3000	2760
		2W 350	3000	2760
		2W 370	3000	2760
		2W 400	3000	2665
		2W 450	3000	2575
		2W 500	2960	2480
		2F 300	3000	2760
		2F 330	3000	2760
		2F 350	3000	2760
		2F 370	3000	2760
		2F 400	3000	2665
		3F 385	3000	2665
		3F 430	3000	2575
		3F 475	2960	2480
		3F 515	2850	2390
		3F 550	2575	2160
		3F 600	2190	1840
		3F 650	1865	1565
		3F 700	1480	1240
		3V 385	2945	2490
		3V 430	2835	2400
		3V 470	2725	2310
		3V 505	2675	2260
		3V 555	2400	2030
		3V 600	2020	1710
		3V 650	1690	1430
		3V 700	1365	1155

QX2

Loading Capacity

QX2-20 <INTEGRAL SIDE SHIFT>

Unit: kg

Mast name		Load center											
		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 450	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 500	1950	1765	1615	1485	1375	1280	1200	1130	1065	1005	955
		2F 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		3F 385	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 430	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 475	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 515	1900	1720	1570	1450	1340	1250	1170	1100	1035	980	930
		3F 550	1800	1630	1490	1370	1270	1185	1110	1040	985	930	880
		3F 600	1550	1400	1280	1180	1095	1020	955	895	845	800	760
		3F 650	1250	1130	1035	950	880	820	770	725	680	645	610
		3F 700	1000	905	825	760	705	655	615	580	545	515	490
		3V 360	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 405	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 450	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 490	1800	1640	1505	1390	1295	1210	1135	1070	1010	955	910
		3V 525	1700	1545	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1450	1320	1210	1120	1040	975	915	860	815	770	730
		3V 633	1150	1045	960	890	825	770	725	680	645	610	580
		3V 688	950	865	795	735	680	635	595	560	530	505	480
	Wide Single tires	2W 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 450	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2W 500	1950	1765	1615	1485	1375	1280	1200	1130	1065	1005	955
		2F 300	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 330	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 350	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 370	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		2F 400	2000	1810	1655	1525	1410	1315	1230	1155	1090	1035	980
		3F 385	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 430	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 475	2000	1810	1655	1525	1410	1315	1230	1160	1090	1035	980
		3F 515	1900	1720	1570	1450	1340	1250	1170	1100	1035	980	930
		3F 550	1800	1630	1490	1370	1270	1185	1110	1040	985	930	880
		3F 600	1650	1495	1365	1255	1165	1085	1015	955	900	850	810
		3F 650	1400	1265	1160	1065	990	920	860	810	765	725	685
		3F 700	1150	1040	950	875	810	755	705	665	625	595	565
		3V 360	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 405	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 450	1900	1730	1590	1470	1365	1275	1195	1125	1065	1010	960
		3V 490	1800	1640	1505	1390	1295	1210	1135	1070	1010	955	910
		3V 525	1700	1545	1420	1315	1220	1140	1070	1010	955	905	860
		3V 575	1550	1410	1295	1195	1115	1040	975	920	870	825	785
		3V 633	1300	1180	1085	1005	935	870	820	770	730	690	655
		3V 688	1050	955	875	810	755	705	660	620	590	555	530

Loading Capacity

QX2-25 <INTEGRAL SIDE SHIFT>

Unit: kg

SXL 2.5 - INVERTED SIDE SILL 1.5		Load center		SXL 2.5 - INVERTED SIDE SILL 1.5									SXL 2.5 - INVERTED SIDE SILL 1.5	
		Mast name	500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Super Elastic Tires	Single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 400	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 450	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2W 500	2400	2170	1985	1830	1695	1580	1480	1390	1310	1240	1175	
		2F 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		2F 400	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
		3F 385	2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
		3F 430	2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
		3F 475	2400	2180	1995	1840	1710	1595	1495	1405	1325	1255	1195	
		3F 515	2300	2080	1905	1755	1625	1515	1415	1330	1255	1190	1130	
		3F 550	2100	1900	1740	1600	1485	1380	1295	1215	1145	1085	1030	
		3F 600	1700	1540	1405	1295	1200	1120	1045	985	930	880	835	
		3F 650	1350	1220	1115	1030	950	885	830	780	735	695	660	
		3F 700	1100	995	910	835	775	725	675	635	600	565	540	
		3V 360	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
		3V 405	2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
		3V 450	2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150	
		3V 490	2150	1955	1795	1660	1545	1445	1355	1275	1205	1145	1085	
		3V 525	2000	1820	1670	1545	1435	1345	1260	1185	1120	1065	1010	
		3V 575	1600	1455	1335	1235	1150	1075	1005	950	895	850	810	
		3V 633	1250	1140	1050	970	905	845	795	750	710	670	640	
		3V 688	1050	955	875	810	755	705	660	620	590	555	530	
		Wide Single tires	2W 300	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 330	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 350	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
			2W 370	2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225
	2W 400		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2W 450		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2W 500		2400	2170	1985	1830	1695	1580	1480	1390	1310	1240	1175	
	2F 300		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 330		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 350		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 370		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	2F 400		2500	2265	2070	1905	1765	1645	1540	1445	1365	1290	1225	
	3F 385		2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
	3F 430		2500	2265	2070	1905	1765	1645	1540	1450	1365	1290	1225	
	3F 475		2400	2180	1995	1840	1710	1595	1495	1405	1325	1255	1195	
	3F 515		2300	2080	1905	1755	1625	1515	1415	1330	1255	1190	1130	
	3F 550		2150	1945	1780	1640	1520	1415	1325	1245	1175	1110	1055	
	3F 600		1850	1675	1530	1410	1305	1215	1140	1070	1010	955	905	
	3F 650		1550	1400	1280	1180	1095	1020	955	895	845	800	760	
	3F 700		1300	1175	1075	990	915	855	800	750	710	670	635	
	3V 360		2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
	3V 405		2350	2140	1965	1815	1690	1580	1480	1395	1320	1250	1190	
	3V 450		2250	2055	1890	1750	1630	1525	1430	1350	1275	1210	1150	
	3V 490		2150	1955	1795	1660	1545	1445	1355	1275	1205	1145	1085	
	3V 525		2000	1825	1680	1555	1445	1355	1270	1200	1135	1075	1025	
	3V 575		1750	1590	1460	1350	1255	1175	1100	1040	980	930	885	
	3V 633		1450	1320	1210	1120	1040	975	915	860	815	770	730	
	3V 688		1200	1090	1000	925	860	805	755	710	670	635	605	

QX2

Loading Capacity

QX2-30 <INTEGRAL SIDE SHIFT>

Unit: kg

		Load center											
		Mast name	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tires	Wide Single tires	2W 300	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 330	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 350	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 370	3000	2720	2485	2290	2125	1980	1855	1745	1645	1560	1480
		2W 400	2950	2680	2460	2270	2110	1965	1845	1735	1640	1555	1475
		2W 450	2900	2635	2415	2230	2070	1935	1815	1705	1610	1525	1450
		2W 500	2800	2535	2320	2140	1985	1850	1730	1630	1535	1455	1380
		2F 300	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 330	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 350	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 370	3000	2720	2485	2290	2125	1980	1850	1740	1645	1555	1475
		2F 400	2950	2680	2455	2265	2105	1965	1840	1735	1635	1550	1475
		3F 385	3000	2720	2485	2290	2125	1980	1855	1740	1645	1555	1475
		3F 430	2900	2635	2415	2230	2070	1930	1810	1705	1610	1525	1450
		3F 475	2800	2545	2330	2150	2000	1865	1750	1645	1555	1475	1400
		3F 515	2700	2450	2250	2075	1925	1800	1685	1585	1500	1420	1350
		3F 550	2400	2175	1990	1830	1700	1585	1480	1395	1315	1245	1180
		3F 600	2050	1855	1700	1565	1450	1350	1265	1190	1125	1060	1010
		3F 650	1750	1585	1450	1335	1240	1155	1080	1015	960	905	860
		3F 700	1400	1265	1160	1070	990	920	865	810	765	725	690
		3V 385	2800	2550	2345	2165	2015	1885	1770	1665	1575	1495	1420
		3V 430	2700	2465	2270	2105	1960	1835	1725	1625	1535	1460	1390
		3V 470	2600	2375	2185	2025	1885	1765	1660	1565	1480	1405	1335
		3V 505	2550	2330	2145	1985	1850	1730	1625	1535	1450	1380	1310
		3V 555	2250	2050	1885	1740	1620	1515	1420	1340	1265	1200	1140
		3V 600	1900	1730	1590	1470	1365	1280	1200	1130	1070	1015	965
		3V 650	1600	1460	1345	1245	1160	1085	1020	960	910	865	820
		3V 700	1300	1185	1085	1005	935	875	820	770	730	690	660

QX2-30H <INTEGRAL SIDESHIFT>

Load center Mast name		500	600	700
Super Elastic Tires	Wide Single tires	2W 300	3000	2760
		2W 330	3000	2760
		2W 350	3000	2760
		2W 370	3000	2760
		2W 400	3000	2705
		2W 450	3000	2660
		2W 500	3000	2570
		2F 300	3000	2760
		2F 330	3000	2760
		2F 350	3000	2760
		2F 370	3000	2760
		2F 400	3000	2705
		3F 385	3000	2750
		3F 430	3000	2660
		3F 475	3000	2570
		3F 515	2970	2475
		3F 550	2640	2200
		3F 600	2255	1880
		3F 650	1925	1605
		3F 700	1540	1285
		3V 385	3000	2580
		3V 430	2955	2485
		3V 470	2845	2395
		3V 505	2790	2350
		3V 555	2460	2070
		3V 600	2080	1750
		3V 650	1750	1475
		3V 700	1420	1200

Loading Capacity

QX2-20 <INTEGRAL FORK POSITIONER>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super Elastic Tires	Single tires	2W 300	Please consult Nissan Forklift										
		2W 330											
		2W 350											
		2W 370											
		2W 400											
		2W 450											
		2W 500											
		2F 300	Please consult Nissan Forklift										
		2F 330											
		2F 350											
		2F 370											
		2F 400											
		3F 385	1950	1775	1635	1515	1410	1315	1230	1160	1090	1035	980
		3F 430	1900	1730	1595	1475	1370	1285	1205	1135	1075	1020	970
		3F 475	1800	1640	1510	1395	1300	1215	1140	1075	1015	965	920
		3F 515	1750	1595	1465	1355	1265	1180	1110	1045	990	940	890
		3F 550	1700	1550	1425	1320	1225	1150	1080	1015	960	910	865
		3F 600	1450	1320	1215	1125	1045	980	920	865	820	775	740
		3F 650	1150	1045	965	890	830	775	730	685	650	615	585
		3F 700	900	820	755	695	650	605	570	535	505	480	460
	3V 360	Please consult Nissan Forklift											
	3V 405												
	3V 450												
	3V 490												
	3V 525												
	3V 575												
	3V 633												
	3V 688												
	Wide Single tires	2W 300	Please consult Nissan Forklift										
		2W 330											
		2W 350											
		2W 370											
		2W 400											
		2W 450											
		2W 500											
		2F 300	Please consult Nissan Forklift										
2F 330													
2F 350													
2F 370													
2F 400													
3F 385		1950	1775	1635	1515	1410	1315	1230	1160	1090	1035	980	
3F 430		1900	1730	1595	1475	1370	1285	1205	1135	1075	1020	970	
3F 475		1800	1640	1510	1395	1300	1215	1140	1075	1015	965	920	
3F 515		1750	1595	1465	1355	1265	1180	1110	1045	990	940	890	
3F 550		1700	1550	1425	1320	1225	1150	1080	1015	960	910	865	
3F 600		1550	1410	1300	1200	1120	1045	980	925	875	830	790	
3F 650		1300	1185	1090	1010	940	875	825	775	735	695	660	
3F 700		1050	955	880	815	755	710	665	625	590	560	535	
3V 360	Please consult Nissan Forklift												
3V 405													
3V 450													
3V 490													
3V 525													
3V 575													
3V 633													
3V 688													

QX2

Loading Capacity

QX2-25 <INTEGRAL FORK POSITIONER>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super Elastic Tires	Single tires	2W 300	Please consult Nissan Forklift										
		2W 330											
		2W 350											
		2W 370											
		2W 400											
		2W 450											
		2W 500											
		2F 300	Please consult Nissan Forklift										
		2F 330											
		2F 350											
		2F 370											
		2F 400											
		3F 385	2400	2190	2010	1865	1735	1620	1525	1435	1355	1290	1225
		3F 430	2350	2140	1970	1825	1695	1585	1490	1405	1330	1260	1200
		3F 475	2300	2095	1930	1785	1660	1555	1460	1375	1300	1235	1175
		3F 515	2200	2005	1845	1705	1590	1485	1395	1315	1245	1180	1120
		3F 550	2000	1825	1675	1550	1445	1350	1270	1195	1130	1075	1020
		3F 600	1600	1460	1340	1240	1155	1080	1015	955	905	860	815
		3F 650	1250	1140	1045	970	900	845	790	745	705	670	635
		3F 700	1000	910	835	775	720	675	635	595	565	535	510
	3V 360	Please consult Nissan Forklift											
	3V 405												
	3V 450												
	3V 490												
	3V 525												
	3V 575												
	3V 633												
	3V 688												
	Wide Single tires	2W 300	Please consult Nissan Forklift										
		2W 330											
		2W 350											
		2W 370											
		2W 400											
		2W 450											
		2W 500											
		2F 300	Please consult Nissan Forklift										
		2F 330											
		2F 350											
		2F 370											
		2F 400											
3F 385		2400	2190	2010	1865	1735	1620	1525	1435	1355	1290	1225	
3F 430		2350	2140	1970	1825	1695	1585	1490	1405	1330	1260	1200	
3F 475		2300	2095	1930	1785	1660	1555	1460	1375	1300	1235	1175	
3F 515		2200	2005	1845	1705	1590	1485	1395	1315	1245	1180	1120	
3F 550		2000	1825	1675	1550	1445	1350	1270	1195	1130	1075	1020	
3F 600		1750	1595	1465	1355	1265	1180	1110	1045	990	940	890	
3F 650		1450	1320	1215	1125	1045	980	920	865	820	775	740	
3F 700		1200	1095	1005	930	865	810	760	715	675	645	610	
3V 360	Please consult Nissan Forklift												
3V 405													
3V 450													
3V 490													
3V 525													
3V 575													
3V 633													
3V 688													

Loading Capacity

QX2-30 <INTEGRAL FORK POSITIONER>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super Elastic Tires	Wide Single tires	2W 300	Please consult Nissan Forklift										
		2W 330											
		2W 350											
		2W 370											
		2W 400											
		2W 450											
		2W 500											
		2F 300	Please consult Nissan Forklift										
		2F 330											
		2F 350											
		2F 370											
		2F 400											
		3F 385	2800	2560	2355	2185	2035	1905	1790	1690	1600	1520	1445
		3F 430	2700	2465	2270	2105	1965	1840	1725	1630	1540	1465	1395
		3F 475	2600	2375	2190	2030	1890	1770	1665	1570	1485	1410	1340
		3F 515	2500	2285	2105	1950	1815	1700	1600	1510	1430	1355	1290
		3F 550	2250	2055	1895	1755	1635	1530	1440	1360	1285	1220	1160
		3F 600	1900	1735	1600	1480	1380	1290	1215	1145	1085	1030	980
		3F 650	1600	1460	1345	1245	1160	1090	1025	965	915	865	825
		3F 700	1300	1185	1095	1015	945	885	830	785	740	705	670
		3V 385	Please consult Nissan Forklift										
		3V 430											
		3V 470											
		3V 505											
		3V 555											
		3V 600											
		3V 650											
		3V 700											

QX2-30H <INTEGRAL SIDESHIFT>

Load center Mast name		500	600	700
Super Elastic Tires	Wide Single tires	2W 300	Please consult Nissan Forklift	
		2W 330		
		2W 350		
		2W 370		
		2W 400		
		2W 450		
		2W 500		
		2F 300	Please consult Nissan Forklift	
		2F 330		
		2F 350		
		2F 370		
		2F 400		
		3F 385	2850	2625
		3F 430	2850	2535
		3F 475	2850	2450
		3F 515	2830	2360
		3F 550	2520	2100
		3F 600	2150	1790
		3F 650	1835	1530
		3F 700	1470	1225
		3V 385	Please consult Nissan Forklift	
		3V 430		
		3V 470		
		3V 505		
		3V 555		
		3V 600		
		3V 650		
		3V 700		

Truck Weight (with forks - without battery)

		Unit: kg							
		1Q2L20Q		1Q2L25Q		G1Q2L25Q		G1Q2L30Q	QX2-30H
		Super Elastic	Wide Super Elastic	Super Elastic	Wide Super Elastic	Super Elastic	Wide Super Elastic	Wide Super Elastic	Wide Super Elastic
Two stage	(Wide view 2W)								
	2W 300	2845	2870	3170	3195	2915	2935	3305	3474
	2W 330	2870	2895	3195	3220	2935	2960	3330	3499
	2W 350	2890	2915	3215	3240	2960	2980	3350	3519
	2W 370	2945	2970	3270	3295	3015	3035	3410	3579
	2W 400	2975	3000	3300	3325	3045	3065	3440	3609
Two stage	(Full free 2F)								
	2W 450	3020	3040	3345	3370	3085	3110	3485	3654
	2W 500	3055	3080	3380	3405	3125	3145	3530	3699
	2F 300	2835	2860	3160	3185	2905	2925	3300	3469
	2F 330	2865	2885	3190	3210	2930	2955	3330	3499
	2F 350	2885	2910	3210	3235	2955	2975	3350	3519
Three stage	(Full free 3F)								
	2F 370	2925	2950	3250	3275	2990	3015	3390	3559
	2F 400	2960	2980	3285	3305	3025	3050	3425	3594
	3F 385	3015	3035	3340	3360	3080	3105	3515	3684
	3F 430	3050	3075	3375	3400	3120	3140	3555	3724
	3F 475	3090	3110	3415	3435	3155	3180	3595	3764
Three stage	(Opti view 3V)								
	3F 515	3120	3145	3445	3470	3190	3210	3660	3829
	3F 550	3185	3210	3510	3535	3250	3275	3705	3874
	3F 600	3235	3255	3560	3580	3300	3325	3775	3944
	3F 650	3295	3315	3620	3645	3360	3385	3840	4009
	3F 700	3355	3380	3680	3705	3425	3445	3905	4074
Three stage	(Opti view 3V)								
	3V 360(385)	3015	3040	3340	3365	3085	3105	(3520)	(3689)
	3V 405(430)	3055	3075	3380	3405	3120	3145	(3560)	(3729)
	3V 450(470)	3090	3115	3415	3440	3160	3180	(3595)	(3764)
	3V 490(505)	3125	3150	3450	3475	3195	3215	(3665)	(3834)
	3V 525(555)	3195	3220	3520	3545	3260	3285	(3715)	(3884)
Three stage	(Opti view 3V)								
	3V 575(600)	3240	3265	3565	3590	3310	3330	(3780)	(3949)
	3V 633(650)	3305	3330	3630	3655	3370	3395	(3850)	(4019)
Three stage	(Opti view 3V)								
	3V 688(700)	3370	3390	3695	3715	3435	3460	(3915)	(4084)

Figures between brackets refer to 3.0 tonne model

Additional Truck Weight

■ Forks

		(G)1Q2		
Model		20	25	30/30H
Fork	Less fork	-95		-115
	1000	-5		n/a
	1100	0		0
	1200	5		5
	1300	10		15
	1400	20		20
	1500	25		30

■ Attachment

		(G)1Q2		
Model		20	25	30/30H
Integral Sideshift		24		24
Hook-on Sideshift		50		64
Integral Forkpositioner		115		150

■ Cabin

		(G)1Q2		
Model		20	25	30/30H
Cabin		170		180
Cabin + heater		180		190
Cabin with canvas doors		110		115

Supplement Data

ITEM				MODEL	1Q2L20Q	(G)1Q2L25Q	G1Q2L30Q	QX2-30H
DIMENSIONS	Or	Rear overhang		mm	360	360	360	390
	Ro	Min. turning radius inside		mm	—	—	—	—
	Hf	Floor height		mm	670	670	670	670
	Hp	Step height		mm	342	342	342	342
	Hh	Head room		mm	1150*	1150*	1150*	1150*
	Hc	Counterweight height		mm	1040	1040	1040	1040
	Hb	Backrest height		mm	1045	1045	1140	1140
	Sw	Max. fork spread		mm	980	980	980	980
	Sn	Min. fork spread		mm	225	225	225	225
	Gf	Ground clearance under frame		mm	105	105	105	105
	θr	Ramp breakover angle		tanθ%	28	(25) 28	25	25
	θd	Departure angle		tanθ%	44	44	44	44
θa	Approach angle		tanθ%	31	31	31	31	
PERFORMANCE	Lifting speed	2F Lifting	full load	mm/sec	480	460	400	400
			no load	mm/sec	680	680	570	570
		3F Lifting	full load	mm/sec	480	450	380	380
			no load	mm/sec	610	610	530	530
		3V Lifting	full load	mm/sec	480	450	380	380
			no load	mm/sec	610	610	530	530
	Lowering speed	2F Mast	full load	mm/sec	480	480	470	470
			no load	mm/sec	300	300	320	320
		3F Lifting	full load	mm/sec	480	480	470	470
			no load	mm/sec	330	330	360	360
		3V Mast	full load	mm/sec	470	470	470	470
			no load	mm/sec	320	320	360	360
	Travel speed	backward	full load	km/h	20.5	20.0	18.5	18.5
			no load	km/h	21.0	21.0	21.0	21.0
MOTOR	Traction motor	Type	—	AC induction motor	AC induction motor	AC induction motor	AC induction motor	
		Ventilation type	—	Open	Open	Open	Open	
		Control type	—	MOS-FET Inverter	MOS-FET Inverter	MOS-FET Inverter	MOS-FET Inverter	
	Hoist pump motor	Field type	—	AC induction motor	AC induction motor	AC induction motor	AC induction motor	
		Ventilation type	—	Open	Open	Open	Open	
		Control type	—	MOS-FET Inverter	MOS-FET Inverter	MOS-FET Inverter	MOS-FET Inverter	
VOLTAGE				V	80	80	80	80

* Headroom with low overhead guard option: 1044 mm.

Option Availability

			●...Standard ○...Option			
Item			Model	1Q2L20Q	(G)1Q2L25Q	G1Q2L30Q
Mast	Mast type	Two stage Wide view (2W)		●	●	●
		Two stage Full free (2F)		○	○	○
		Three stage Full free (3F)		○	○	○
		Three stage Opti view (3V)		○	○	○
	Attachment	Integral Side Shift		○	○	○
		Hook On Side Shift		○	○	○
		Integral Fork Positioner		○	○	○
Fork		Longer forks		○	○	○
Carriage & backrest		Standard type		●	●	●
		High backrest		○	○	○
Hydraulic control	Control system	Mechanical control		●	●	●
		Electric proportional control		○	○	○
	Spool no.	3 spool		●	●	●
		4 spool		○	○	○
	Lever arrangement	Twin control lever		●	●	●
		Single control lever		○ *1	○ *1	○ *1
	Piping to CRG	3 spool piping		○	○	○
		3 spool piping with coupler		○	○	○
4 spool piping			○	○	○	
4 spool piping with coupler			○	○	○	
Brake system	Service Brake (Electrical)	Neutral brake		●	●	●
		Switch back brake		●	●	●
		Foot brake		●	●	●
	Service Brake (Hydraulic)	Dry type		●	●	●
		Parking brake		●	●	●
Steering system		Fully hydraulic power steering		●	●	●
		Small diameter steering wheel		●	●	●
		High position steering wheel		○	○	○
		Tilting steering		●	●	●
		Steering synchronizer		○	○	○
Light & Alarm	Light	Head light		●	●	●
		Turn signal lamp		●	●	●
		Rear combination light		●	●	●
		Back operation light		●	●	●
		Flash light		○	○	○
	Alarm	Back-up buzzer		●	●	●
		Warning buzzer		●	●	●
Instrument		Battery capacity meter		●	●	●
		Speedometer		●	●	●
		Hour meter		●	●	●
		Time & day of week		●	●	●
		Brake warning		●	●	●
		Seat belt warning		●	●	●
		Selected power mode		●	●	●
Tire		Pneumatic type solid tire (super elastic)		●	●	-
		Front: Wide solid tire (wide super elastic)		○	○	●
		Non marking (super elastic)		○	○	○
Control system	Drive control	AC inverter motor control		●	●	●
		Regenerative brake		●	●	●
		Acceleration "Fuzzy" control		●	●	●
	Loading control	AC inverter motor control		●	●	●
		FINGERTIP control lever		○	○	○
		Pump cut		●	●	●
		Inhibitor system		●	●	●
		Power mode change		●	●	●
		PIN code access		○ *2	○ *2	○ *2
		Trouble diagnosis		●	●	●
	Self-check system		●	●	●	
Battery		Less battery		●	●	●
		With battery		○	○	○
Charger		Less charger		●	●	●
Cold storage specification		-35℃		○	○	○
Body		Floor mat		○	○	○
	Roof	Rain guard (Plastic type)		○	○	○
		Rear view mirror		○	○	○
		High overhead guard		●	●	●
		Low overhead guard		○	○	○
	Cabin	Steel Cabin		○	○	○
		Steel Cabin with heater		○	○	○
Seat		Reclining + Suspension (Vinyl)		●	●	●
		Reclining + Suspension (cloth)		○	○	○

*1:For FINGERTIP control lever only.

*2:To be activated by DB locally.

Forks Availability

		●...Standard ○...Option		
Length mm	Model	(G)1Q2		
		20	25	30 & 30H
Fork	Less forks	○	○	○
	1000	●	●	-
	1100	○	○	●
	1200	○	○	○
	1300	○	○	○
	1400	○	○	○
	1500	○	○	○

Fork Dimensions

	Width [W] x Thickness [T] mm	
	(G)1Q2	
	20 & 25	30 & 30H
All Length	100 x 40	100 x 45

Carriage & Backrest Dimensions

■ CARRIAGE		Unit: mm	
Model		(G)1Q2	
		20/25	30/30H
Class		2A	3A
Carriage Width [W] mm	Standard	1020	
	Wide	-	
Max. Fork Spread mm	Standard	980	
	Wide	-	

■ BACKREST		Unit: mm	
Model		(G)1Q2	
		20/25	30/30H
Backrest Height [H] mm	Standard	1044	1139
	High Backrest	1254	1354
	Wide Backrest	-	-
Outside width of backrest [L] mm	Standard & High Backrest	1045	
	Wide Backrest	-	-
Plate Thickness [T] mm		12	

QX2

Tire Size

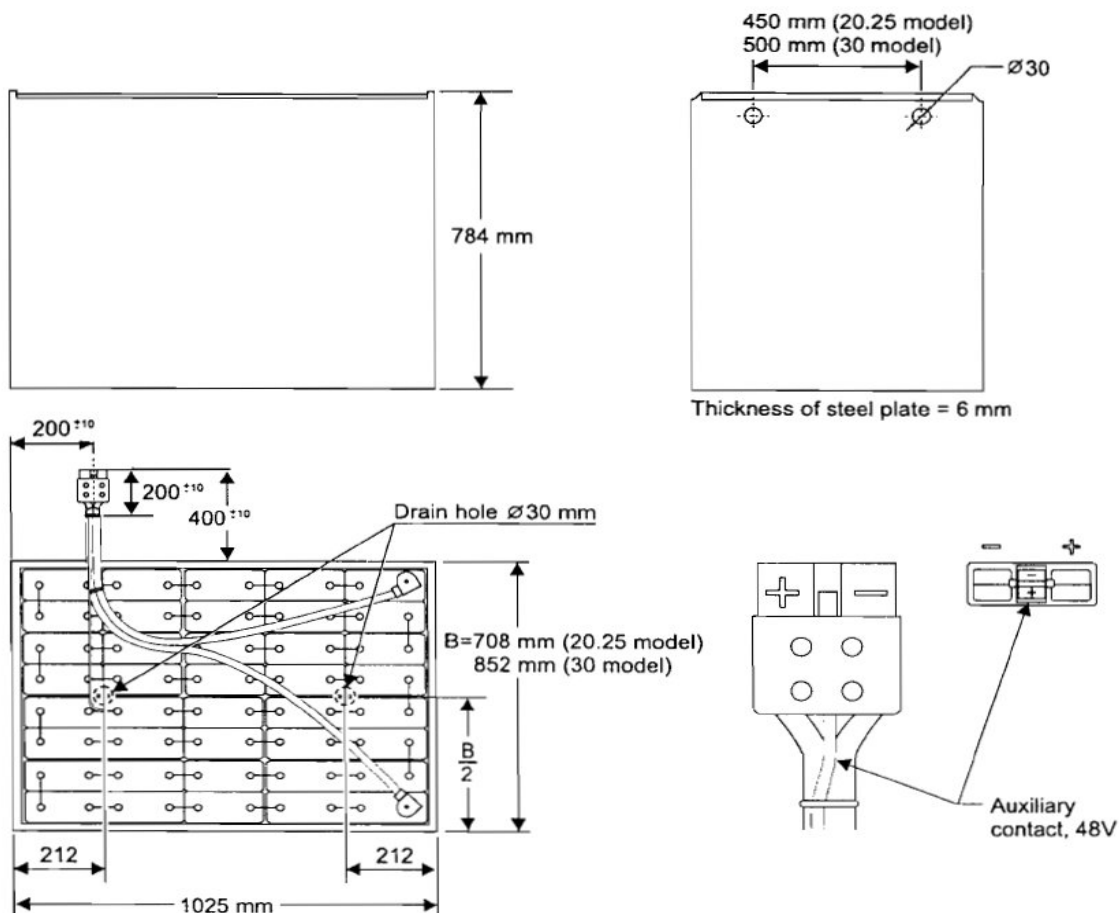
●...Standard ○...Option

Tire			Model	(G)1Q2		
				20	25	30 & 30H
Front	Single	Tire Size		23x9-10		23x10-12
		Rim Size		6.50F-10		8.00G-12
		Type	Super elastic	●	●	●
			Wide super elastic	○ 23x10-12	○ 23x10-12	-
			Non-marking	○	○	○
Rear	Single	Tire Size		18x7-8		
		Rim Size		4.33R-8		
		Type	Super elastic	●	●	●
			Non-marking	○	○	○

Recommended Battery Case

				1Q2L20Q 1Q2L25Q	G1Q2L25Q G1Q2L30Q
Dimension of battery compartment		Width	mm	1033	
		Length	mm	716	860
		Height	mm	804	
Recommended battery case	Width	W	mm	1025	
	Length	L	mm	708	852
	Height	H	mm	784	
Effective battery weight		Min.	kg	1470	1870(1770)
		Max.		1630	1970
Capacity according to DIN		Min.	AH/5h	480	600
		Max.		600	750
Battery connector type				Anderson SBE 320 Black	

Data between brackets refers to G1Q2L30Q model



Unit Specification

			1Q2
Controller	Traction	Control	Micro-computer MOS-FET inverter control
		Field weakening system	-
	Hoist	Control	Micro-computer MOS-FET inverter control
		Pump cut unit	(On board)
Traction Motor	Type		Open-self ventilated AC induction motor
	Rated output kW/1h		9.9
Hoist Pump Motor	Type		Open-self ventilated AC induction motor
	Rated output kW/5 min		14.2
PS Motor	Type		-
	Rated output kW/1h		-
	PS Control		-
Steering System	Type		Fully hydraulic power steering
	Steering wheel		Tilting type
Drive Axle	Type		Full floating
	Reduction gear type		Helical
	Differential gear type		Hypoid
Steering Axle	Type		Elliot
	Suspension system		Center pin, resin bushing mounted
Brake System	Service brake		Hydraulic duo-servo with auto-adjuster
	Parking brake		Toggle joint type lever, mechanical
	Lining material		Non-asbestos
Frame & Body	Frame structure		Integral, All welded frame
	Overhead guard		Strength conform to ISO, ANSI standard
Hydraulic System	Hydraulic oil pump		Single Zero-backrush type 29.4 (cc/rev)
	Control valve		Sectional type with main relief valve, tilt lock valve and lift down lock solenoid
	Main relief valve set pressure		19.0 Mpa
	Lift cylinder		With flow regulator valve
	Suction filter		150-mesh, wire netting
	Micron filter		20-micron paper type (Cartridge type)
	Hyd. tank capacity		27 liter
Loading System	Mast		All roller mast, grease sealed roller bearing
	Carriage		Class II, III
	Forks		Forged alloy steel, hook type, conform to ITA standard
Instruments	Meters		Battery capacity meter / 4-mode Hour meter / Speed meter in LCD
	Indicators		Parking Brake warning / Brake fluid level warning / Seat belt warning in LCD
	Switches		Direction & lighting switch / Key switch / Back operation lighting switch

TX

1.6



**2.0 ton
at 500 mm
Load Center**

Main Truck Specifications

Item				TX-13
DESIGNATION	1.1	Manufacturer		Nissan
	1.2	Model name		S1N1L13Q
	1.3	Power unit: battery, diesel, petrol, LP gas, manpower		Battery
	1.4	Operation: manual, pedestrian, stand on, driver seated, order picker		driver seated
	1.5	Load capacity	Q (t)	1.25
	1.6	Load center	c (mm)	500
	1.8	Front overhang	x (mm)	365
	1.9	Wheel base	y (mm)	1195
WEIGHT	2.1	Service weight	kg	2730
	2.2	Axle load with load, front/rear	kg	3530/450
	2.3	Axle load without load, front/rear	kg	1370/1360
TIRES, CHASSIS	3.1	Tires, front/rear (C=cushion, SE=super elastic)		SE (C) / SE (C)
	3.2	Tire size, front		18 x 7-8
	3.3	Tire size, rear		15 ⁷ 4.5-8
	3.5	Wheels, number front/rear (x=driven)		2 x / 2
	3.6	Tread, front *1	b10(mm)	913 (930)
	3.7	Tread, rear	b11(mm)	170
DIMENSIONS	4.1	Mast tilt angle	α/β (°)	4/6
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	495
	4.19	Overall length	l1 (mm)	2685
	4.20	Length to fork face	l2 (mm)	1785
	4.21	Overall width *1	b1(mm)	1070 (1105)
	4.22	Fork dimensions	s/e/l (mm)	35×100×900
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance, mast	m1 (mm)	75
	4.32	Ground clearance, centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3110
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	2930
	4.35	Turning radius	Wa (mm)	1420
PERFORMANCE	5.1	Travel speed, with/without load	km/h	13.5/13.5
	5.2	Lifting speed with/without load	m/s	0.33/0.5
	5.3	Lowering speed with/without load	m/s	0.5/0.55
	5.5	Maximum drawbar pull, with/without load, 3 minutes rating	kN	10500
	5.7	Maximum gradeability, with/without load, 5 minutes rating	%	24.1/34.8
	5.9	Acceleration with/without load (0-10m)	s	4.6/4.2
	5.10	Service brake		Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 60 minutes rating	kW	5.0×2
	6.2	Lift motor performance, 20% rating	kW	8
	6.3	Battery according DIN 43531/35/36 A, B, C, no		DIN 43531A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48 / 375
	6.5	Battery weight (±5%)	kg	550
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	—
OTHERS	8.1	Type of drive motor control		MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	—
	8.5	Towing coupler, design/type DIN, no		—

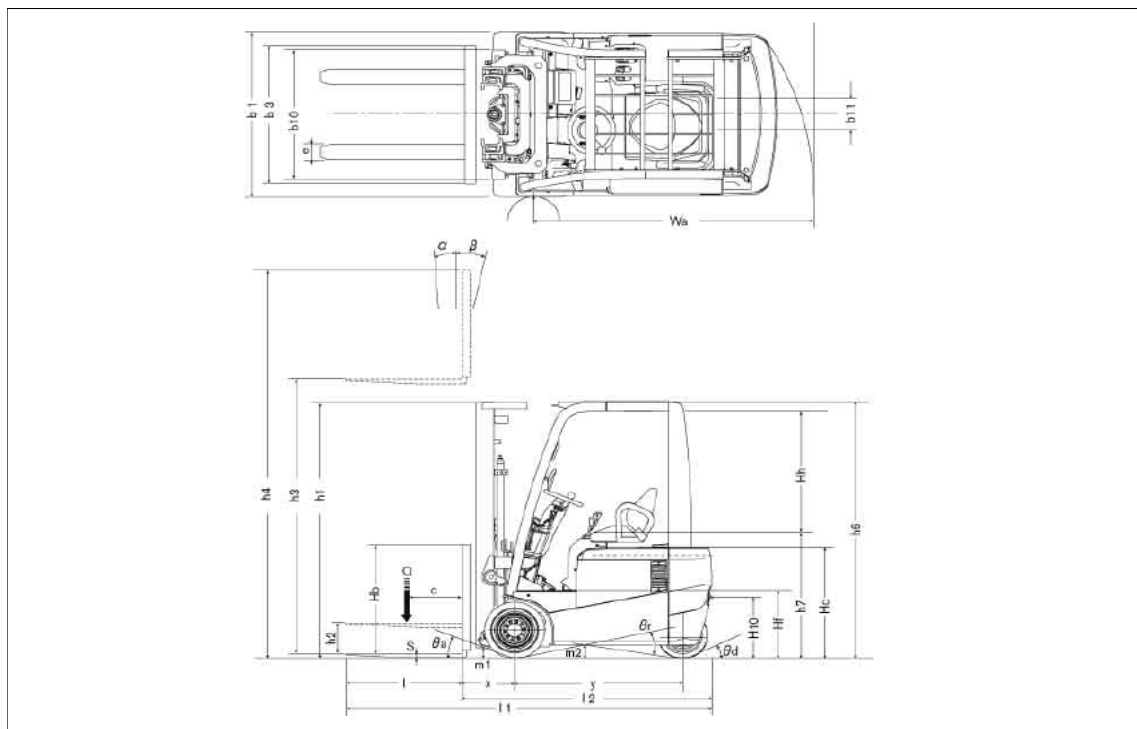
*1: Figure in brackets refer to cushion tires.

Main Truck Specifications

Item				TX-15	
DESIGNATION	1.1	Manufacturer		Nissan	Nissan
	1.2	Model name		S1N1L15Q	1N1L15Q
	1.3	Power unit: battery, diesel, petrol, LP gas, manpower		Battery	Battery
	1.4	Operation: manual, pedestrian, stand on, driver seated, order picker		driver seated	driver seated
	1.5	Load capacity	Q (t)	1.5	1.5
	1.6	Load center	c (mm)	500	500
	1.8	Front overhang	x (mm)	365	365
	1.9	Wheel base	y (mm)	1195	1300
WEIGHT	2.1	Service weight	kg	3020	2915
	2.2	Axle load with load, front/rear	kg	3995/525	3955/460
	2.3	Axle load without load, front/rear	kg	1405/1615	1455/1460
TIRES, CHASSIS	3.1	Tires, front/rear (C=cushion, SE=super elastic)		SE (C) / SE (C)	SE (C) / SE (C)
	3.2	Tire size, front		18 x 7-8	18 x 7-8
	3.3	Tire size, rear		15 x 4.5-8	15 x 4.5-8
	3.5	Wheels, number front/rear (x=driven)		2 x / 2	2 x / 2
	3.6	Tread, front *1	b10(mm)	913 (930)	913 (930)
	3.7	Tread, rear	b11(mm)	170	170
	4.1	Mast tilt angle	α/β (°)	4/6	4/6
DIMENSIONS	4.2	Standard mast height, fully lowered	h1 (mm)	1955	1955
	4.3	Standard mast free lift	h2 (mm)	60	60
	4.4	Standard mast lift height	h3 (mm)	3000	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580	3580
	4.7	Overhead guard height	h6 (mm)	2110	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957	957
	4.12	Towing coupler height	h10 (mm)	495	495
	4.19	Overall length	l1 (mm)	2685	2790
	4.20	Length to fork face	l2 (mm)	1785	1890
	4.21	Overall width *1	b1(mm)	1070 (1105)	1070 (1105)
	4.22	Fork dimensions	s/e/l (mm)	35×100×900	35×100×900
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A	2A
	4.24	Carriage width	b3 (mm)	920	920
	4.31	Ground clearance, mast	m1 (mm)	75	75
	4.32	Ground clearance, centre of wheel base	m2 (mm)	100	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3110	3215
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	2930	3035
	4.35	Turning radius	Wa (mm)	1420	1525
PERFORMANCE	5.1	Travel speed, with/without load	km/h	13.5/13.5	13.5/13.5
	5.2	Lifting speed with/without load	m/s	0.3/0.5	0.3/0.5
	5.3	Lowering speed with/without load	m/s	0.5/0.55	0.5/0.55
	5.5	Maximum drawbar pull, with/without load, 3 minutes rating	kN	10500	10500
	5.7	Maximum gradeability, with/without load, 5 minutes rating	%	20.8/30.9	21.3/31.2
	5.9	Acceleration with/without load (0-10m)	s	4.8/4.3	4.8/4.3
	5.10	Service brake		Hydraulic/Electric	Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 60 minutes rating	kW	5.0 x 2	5.0 x 2
	6.2	Lift motor performance, 20% rating	kW	8	8
	6.3	Battery according DIN 43531/35/36 A, B, C., no		DIN 43531A	DIN 43531A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48 / 430	48 / 460
	6.5	Battery weight (±5%)	kg	650	710
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	—	—
OTHERS	8.1	Type of drive motor control		MOS-FET inverter	MOS-FET inverter
	8.2	Working pressure attachments	bar	120	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	—	—
	8.5	Towing coupler, design/type DIN, no		—	—

*1: Figure in brackets refer to cushion tires.

Dimensions



Mast Specifications & Rated Capacities

TX-16 (G1N1L160)

Mast type	Mast name	Max. fork height mm *1	Overall height			Free lift		Front overhang *2			Tilt angle	Load capacity *3
			Fully lowered mm *1	Fully extended		Without backrest mm *1	With STD backrest mm *1	STD Fork	Hook On S/S	Integral S/S	Forward/backward deg	Load center 500 mm 1.6 ton kg *1
				Without backrest mm *1	With STD backrest mm *1			13-16t mm *1	13-16t mm *1	13-16t mm *1		
Two satage (Wide view 2W)	2W270	2700	1805	3280	3645	60	60	365	425	400	4/6	1600
	2W300	3000	1955	3580	3945							1600
	2W330	3300	2105	3880	4245							1600
	2W350	3500	2240	4080	4445							1600
	2W370	3700	2365	4280	4645							1600
	2W400	4000	2555	4580	4945							1600
	2W450	4500	2805	5080	5445							1500
	2W500	5000	3055	5580	5945							1450
Two stage (Full free 2F)	2F270	2700	1805	3280	3645	1225	860	360	420	395	4/6	1600
	2F300	3000	1955	3580	3945	1375	1010					1600
	2F330	3300	2105	3880	4245	1525	1160					1600
	2F350	3500	2240	4080	4445	1660	1295					1600
	2F370	3700	2365	4280	4645	1785	1420					1600
	2F400	4000	2555	4580	4945	1975	1610					1550
Three stage (Full free 3F)	3F385	3850	1805	4430	4795	1200	860	380	440	415	5/5	1550
	3F430	4300	1955	4880	5245	1375	1010					1500
	3F475	4750	2105	5330	5695	1525	1160					1450
	3F515	5150	2240	5730	6100	1660	1295					1350
	3F550	5500	2365	6080	6445	1785	1420					1300
	3F600	6000	2555	6580	6945	1975	1610					1250
	3F650	6500	2805	7080	7445	2225	1860					1150
	3F700	7000	3055	7580	7945	2475	2110					1100
Three stage (Opti view 3V)	3V360	3600	1805	4145	4510	1260	895	435	495	470	5/5	1550
	3V405	4050	1955	4595	4960	1410	1045					1500
	3V450	4500	2105	5045	5410	1560	1195					1450
	3V490	4900	2240	5445	5810	1695	1330					1350
	3V525	5250	2365	5795	6160	1920	1555					1300
	3V575	5750	2555	6295	6660	2010	1645					1250
	3V633	6330	2805	6875	7240	2260	1895					1150
	3V688	6880	3055	7425	7790	2510	2145					1100

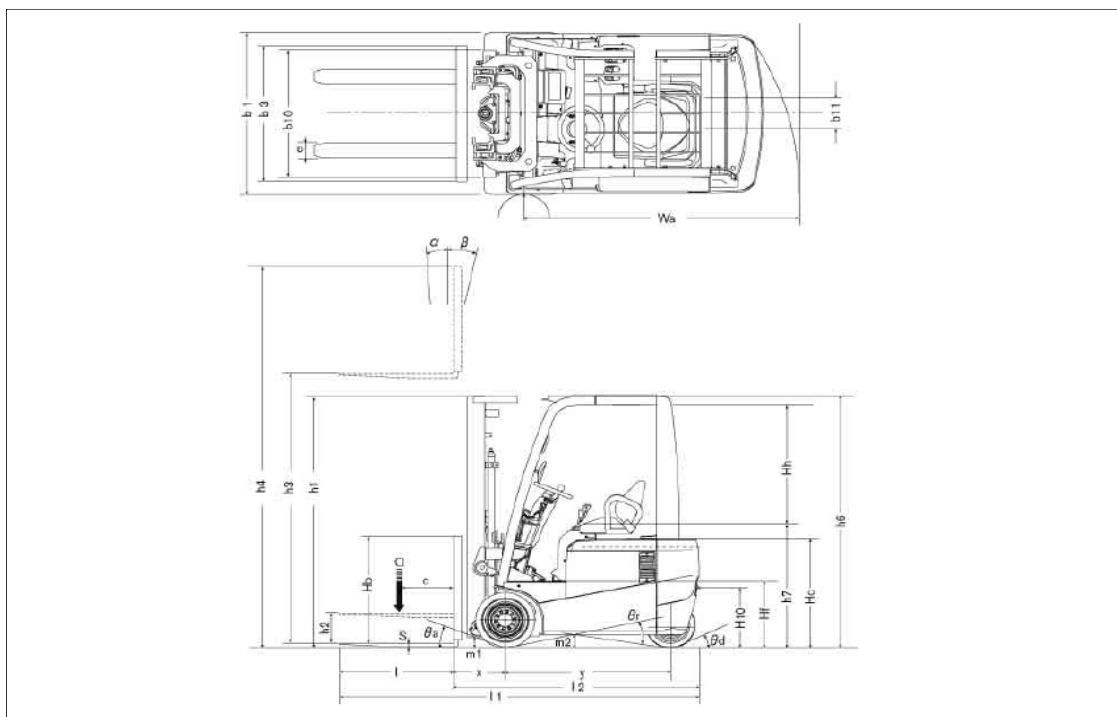
*1: 1 inch=2.54mm 1kg=0.4536lb, *2: With standard fork, *3: With super elastic tire

Main Truck Specifications

Item				TX-16
DESIGNATION	1.1	Manufacturer		Nissan
	1.2	Model name		G1N1L16Q
	1.3	Power unit: battery, diesel, petrol, LP gas, manpower		Battery
	1.4	Operation: manual, pedestrian, stand on, driver seated, order picker		driver seated
	1.5	Load capacity	Q (t)	1.6
	1.6	Load center	c (mm)	500
	1.8	Front overhang	x (mm)	365
	1.9	Wheel base	y (mm)	1410
WEIGHT	2.1	Service weight	kg	3060
	2.2	Axle load with load, front/rear	kg	4160/500
	2.3	Axle load without load, front/rear	kg	1575/1485
TIRES, CHASSIS	3.1	Tires, front/rear (C=cushion, SE=super elastic)		SE (C) / SE (C)
	3.2	Tire size, front		18 x 7-8
	3.3	Tire size, rear		140/55-9
	3.5	Wheels, number front/rear (x=driven)		2 x / 2
	3.6	Tread, front *1	b10(mm)	933 (930)
	3.7	Tread, rear	b11(mm)	170
DIMENSIONS	4.1	Mast tilt angle	α/β (°)	39544
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	495
	4.19	Overall length	l1 (mm)	2900
	4.20	Length to fork face	l2 (mm)	2000
	4.21	Overall width *1	b1(mm)	1090 (1105)
	4.22	Fork dimensions	s/e/l (mm)	35 x 100 x 900
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance, mast	m1 (mm)	75
	4.32	Ground clearance, centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3325
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3145
	4.35	Turning radius	Wa (mm)	1635
PERFORMANCE	5.1	Travel speed, with/without load	km/h	15.0/16.0
	5.2	Lifting speed with/without load	m/s	0.4/0.6
	5.3	Lowering speed with/without load	m/s	0.5/0.55
	5.5	Maximum drawbar pull, with/without load, 3 minutes rating	kN	10500
	5.7	Maximum gradeability, with/without load, 5 minutes rating	%	20.4/30.4
	5.9	Acceleration with/without load (0-10m)	s	4.4/4.0
	5.10	Service brake		Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 60 minutes rating	kW	5.0 x 2
	6.2	Lift motor performance, 20% rating	kW	11
	6.3	Battery according DIN 43531/35/36 A, B, C, no		DIN 43531A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48 / 625
	6.5	Battery weight (±5%)	kg	930
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	—
OTHERS	8.1	Type of drive motor control		MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	—
	8.5	Towing coupler, design/type DIN, no		—

*1: Figure in brackets refer to cushion tires.

Dimensions



Mast Specifications & Rated Capacities

TX-18 (1N1L18Q, G1N1L18Q)

Mast type	Mast name	Max. fork height mm *1	Overall height			Free lift		Front overhang *2			Tilt angle	Load capacity *3	
			Fully lowered mm *1	Fully extended		Without backrest mm *1	With STD backrest mm *1	STD Fork	Hook On S/S	Integral S/S	Forward/backward deg	Load center 500 mm	
				Without backrest mm *1	With STD backrest mm *1			18-20t mm *1	18-20t mm *1	18-20t mm *1		1.75 ton kg *1	1.8 ton kg *1
Two satage (Wide view 2W)	2W270	2700	1805	3280	3645	60	60	370	430	405	4/6	1750	1800
	2W300	3000	1955	3580	3945							1750	1800
	2W330	3300	2105	3880	4245							1750	1800
	2W350	3500	2240	4080	4445							1750	1800
	2W370	3700	2365	4280	4645							1750	1800
	2W400	4000	2555	4580	4945							1700	1750
	2W450	4500	2805	5080	5445							1600	1650
	2W500	5000	3055	5580	5945							1500	1550
Two stage (Full free 2F)	2F270	2700	1805	3280	3645	1225	860	365	425	400	4/6	1750	1800
	2F300	3000	1955	3580	3945	1375	1010					1750	1800
	2F330	3300	2105	3880	4245	1525	1160					1750	1800
	2F350	3500	2240	4080	4445	1660	1295					1750	1800
	2F370	3700	2365	4280	4645	1785	1420					1700	1750
	2F400	4000	2555	4580	4945	1975	1610					1650	1700
Three stage (Full free 3F)	3F385	3850	1805	4430	4795	1200	860	385	445	420	5/5	1650	1700
	3F430	4300	1955	4880	5245	1375	1010					1600	1650
	3F475	4750	2105	5330	5695	1525	1160					1550	1600
	3F515	5150	2240	5730	6100	1660	1295					1450	1500
	3F550	5500	2365	6080	6445	1785	1420					1250	1400
	3F600	6000	2555	6580	6945	1975	1610					950	1350
	3F650	6500	2805	7080	7445	2225	1860					—	1300
	3F700	7000	3055	7580	7945	2475	2110					—	1200
Three stage (Opti view 3V)	3V360	3600	1805	4145	4510	1260	895	440	500	475	5/5	1500	1700
	3V405	4050	1955	4595	4960	1410	1045					1500	1650
	3V450	4500	2105	5045	5410	1560	1195					1500	1600
	3V490	4900	2240	5445	5810	1695	1330					1450	1500
	3V525	5250	2365	5795	6160	1920	1555					1250	1400
	3V575	5750	2555	6295	6660	2010	1645					950	1300
	3V633	6330	2805	6875	7240	2260	1895					—	1200
	3V688	6880	3055	7425	7790	2510	2145					—	1150

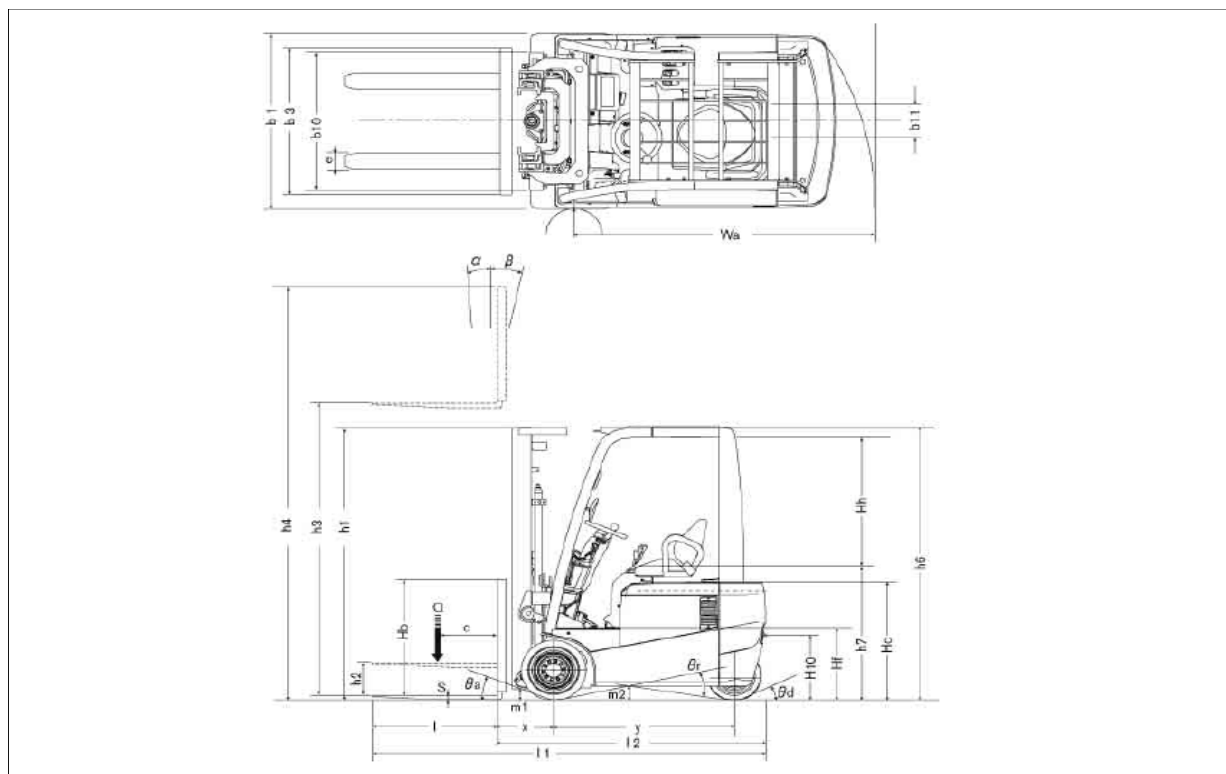
*1: 1 inch=2.54mm 1kg=0.4536lb, *2: With standard fork, *3: With super elastic tire

Main Truck Specifications

Item				TX-18	
DESIGNATION	1.1	Manufacturer		Nissan	Nissan
	1.2	Model name		1N1L18Q	G1N1L18Q
	1.3	Power unit: battery, diesel, petrol, LP gas, manpower		Battery	Battery
	1.4	Operation: manual, pedestrian, stand on, driver seated, order picker		driver seated	driver seated
	1.5	Load capacity	Q (t)	1.75	1.8
	1.6	Load center	c (mm)	500	500
	1.8	Front overhang	x (mm)	370	370
	1.9	Wheel base	y (mm)	1300	1410
WEIGHT	2.1	Service weight	kg	3120	3260
	2.2	Axle load with load, front/rear	kg	4390/485	4590/470
	2.3	Axle load without load, front/rear	kg	1465/1655	1675/1585
TIRES, CHASSIS	3.1	Tires, front/rear (C=cushion, SE=super elastic)		SE (C) / SE (C)	SE (C) / SE (C)
	3.2	Tire size, front		18 x 7-8	200/50-10
	3.3	Tire size, rear		140/55-9	140/55-9
	3.5	Wheels, number front/rear (x=driven)		2 x / 2	2 x / 2
	3.6	Tread, front *1	b10(mm)	913 (930)	930 (930)
	3.7	Tread, rear	b11(mm)	170	170
	4.1	Mast tilt angle	α/β (°)	4/6	4/6
DIMENSIONS	4.2	Standard mast height, fully lowered	h1 (mm)	1955	1955
	4.3	Standard mast free lift	h2 (mm)	60	60
	4.4	Standard mast lift height	h3 (mm)	3000	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580	3580
	4.7	Overhead guard height	h6 (mm)	2110	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957	957
	4.12	Towing coupler height	h10 (mm)	495	495
	4.19	Overall length	l1 (mm)	2795	2905
	4.20	Length to fork face	l2 (mm)	1895	2005
	4.21	Overall width *1	b1(mm)	1070 (1105)	1120 (1105)
	4.22	Fork dimensions	s/e/l (mm)	40 x 100 x 900	40 x 100 x 900
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A	2A
	4.24	Carriage width	b3 (mm)	920	920
	4.31	Ground clearance, mast	m1 (mm)	75	75
	4.32	Ground clearance, centre of wheel base	m2 (mm)	100	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3215	3330
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3035	3150
	4.35	Turning radius	Wa (mm)	1525	1635
PERFORMANCE	5.1	Travel speed, with/without load	km/h	13.5/13.5	15.0/16.0
	5.2	Lifting speed with/without load	m/s	0.27/0.5	0.37/0.6
	5.3	Lowering speed with/without load	m/s	0.5/0.55	0.5/0.55
	5.5	Maximum drawbar pull, with/without load, 3 minutes rating	kN	10500	10500
	5.7	Maximum gradeability, with/without load, 5 minutes rating	%	19.1/29.6	17.9/27.8
	5.9	Acceleration with/without load (0-10m)	s	4.9/4.4	4.6/4.1
	5.10	Service brake		Hydraulic/Electric	Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 60 minutes rating	kW	5.0 x 2	5.0 x 2
	6.2	Lift motor performance, 20% rating	kW	8	11
	6.3	Battery according DIN 43531/35/36 A, B, C., no		DIN 43531A	DIN 43531A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48 / 460	48 / 750
	6.5	Battery weight ($\pm 5\%$)	kg	710	1100
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	—	—
OTHERS	8.1	Type of drive motor control		MOS-FET inverter	MOS-FET inverter
	8.2	Working pressure attachments	bar	120	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	—	—
	8.5	Towing coupler, design/type DIN, no		—	—

*1: Figure in brackets refer to cushion tires.

Dimensions



Mast Specifications & Rated Capacities

TX-20

Mast type	Mast name	Max. fork height mm *1	Overall height			Free lift		Front overhang *2			Tilt angle	Load capacity *3
			Fully lowered mm *1	Fully extended		Without backrest mm *1	With STD backrest mm *1	STD Fork 18-20t mm *1	Hook On S/S 18-20t mm *1	Integral S/S 18-20t mm *1	Forward/ backward deg	Load center 500 mm 2.0 ton kg *1
				Without backrest mm *1	With STD backrest mm *1							
Two stage (Wide view 2W)	2W270	2700	1805	3280	3645	60	60	370	430	405	4/6	2000
	2W300	3000	1955	3580	3945							2000
	2W330	3300	2105	3880	4245							2000
	2W350	3500	2240	4080	4445							2000
	2W370	3700	2365	4280	4645							2000
	2W400	4000	2555	4580	4945							1950
	2W450	4500	2805	5080	5445							1850
	2W500	5000	3055	5580	5945							1750
Two stage (Full free 2F)	2F270	2700	1805	3280	3645	1225	860	365	425	400	4/6	2000
	2F300	3000	1955	3580	3945	1375	1010					2000
	2F330	3300	2105	3880	4245	1525	1160					2000
	2F350	3500	2240	4080	4445	1660	1295					2000
	2F370	3700	2365	4280	4645	1785	1420					1950
	2F400	4000	2555	4580	4945	1975	1610					1900
	2F450	4500	2805	5080	5445	2225	1860					1850
Three stage (Full free 3F)	3F385	3850	1805	4430	4795	1200	860	385	445	420	5/5	1900
	3F430	4300	1955	4880	5245	1375	1010					1850
	3F475	4750	2105	5330	5695	1525	1160					1750
	3F515	5150	2240	5730	6100	1660	1295					1650
	3F550	5500	2365	6080	6445	1785	1420					1550
	3F600	6000	2555	6580	6945	1975	1610					1450
	3F650	6500	2805	7080	7445	2225	1860					1350
	3F700	7000	3055	7580	7945	2475	2110					1200
Three stage (Opt view 3V)	3V360	3600	1805	4145	4510	1260	895	440	500	475	5/5	1850
	3V405	4050	1955	4595	4960	1410	1045					1800
	3V450	4500	2105	5045	5410	1560	1195					1700
	3V490	4900	2240	5445	5810	1695	1330					1650
	3V525	5250	2365	5795	6160	1920	1555					1550
	3V575	5750	2555	6295	6660	2010	1645					1450
	3V633	6330	2805	6875	7240	2260	1895					1350
	3V688	6880	3055	7425	7790	2510	2145					1200

*1: 1 inch = 25.4mm, 1kg = 2.20462lb, *2: With standard fork, *3: With super elastic tire

Main Truck Specifications

Item				TX-20
DESIGNATION	1.1	Manufacturer		Nissan
	1.2	Model name		G1N1L20Q
	1.3	Power unit: battery, diesel, petrol, LP gas, manpower		Battery
	1.4	Operation: manual, pedestrian, stand on, driver seated, order picker		driver seated
	1.5	Load capacity	Q (t)	2
	1.6	Load center	c (mm)	500
	1.8	Front overhang	x (mm)	370
	1.9	Wheel base	y (mm)	1410
WEIGHT	2.1	Service weight	kg	3370
	2.2	Axle load with load, front/rear	kg	4905/465
	2.3	Axle load without load, front/rear	kg	1670/1700
TIRES, CHASSIS	3.1	Tires, front/rear (C=cushion, SE=super elastic)		SE (C) / SE (C)
	3.2	Tire size, front		200/50-10
	3.3	Tire size, rear		140/55-9
	3.5	Wheels, number front/rear (x=driven)		2 x / 2
	3.6	Tread, front *1	b10(mm)	930 (930)
	3.7	Tread, rear	b11(mm)	170
DIMENSIONS	4.1	Mast tilt angle	α/β (°)	39544
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	495
	4.19	Overall length	l1 (mm)	2905
	4.20	Length to fork face	l2 (mm)	2005
	4.21	Overall width *1	b1(mm)	1120 (1105)
	4.22	Fork dimensions	s/e/l (mm)	40×100×900
	4.23	Fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance, mast	m1 (mm)	75
	4.32	Ground clearance, centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3330
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3150
	4.35	Turning radius	Wa (mm)	1635
PERFORMANCE	5.1	Travel speed, with/without load	km/h	15.0/16.0
	5.2	Lifting speed with/without load	m/s	0.35/0.58
	5.3	Lowering speed with/without load	m/s	0.5/0.55
	5.5	Maximum drawbar pull, with/without load, 3 minutes rating	kN	10500
	5.7	Maximum gradeability, with/without load, 5 minutes rating	%	16.1/25.6
	5.9	Acceleration with/without load (0-10m)	s	4.7/4.2
	5.10	Service brake		Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 60 minutes rating	kW	5.0×2
	6.2	Lift motor performance, 20% rating	kW	11
	6.3	Battery according DIN 43531/35/36 A, B, C, no		DIN 43531A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48 / 750
	6.5	Battery weight (±5%)	kg	1100
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	—
OTHERS	8.1	Type of drive motor control		MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	—
	8.5	Towing coupler, design/type DIN, no		—

*1: Figure in brackets refer to cushion tires.

Loading Capacity

TX-13 / S1N1L13Q <FORK>

Unit: kg

Mast name	Load center	500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1250	1120	1015	925	855	790	735	690	650	610	580
	2W300	1250	1120	1015	925	855	790	735	690	650	610	580
	2W330	1250	1120	1015	925	855	790	735	690	650	610	580
	2W350	1250	1120	1015	925	855	790	735	690	650	610	580
	2W370	1250	1120	1015	925	855	790	735	690	650	610	580
	2W400	1250	1120	1015	925	855	790	735	690	650	610	580
	2W450	1150	1030	930	850	785	725	675	635	595	560	530
	2W500	1100	985	890	815	750	695	650	605	570	540	510
	2F270	1250	1120	1010	925	850	790	735	685	645	610	575
	2F300	1250	1120	1010	925	850	790	735	685	645	610	575
	2F330	1250	1120	1010	925	850	790	735	685	645	610	575
	2F350	1250	1120	1010	925	850	790	735	685	645	610	575
	2F370	1250	1120	1010	925	850	790	735	685	645	610	575
	2F400	1200	1075	970	890	815	755	705	660	620	585	555
	3F385	1200	1075	975	890	825	765	710	665	625	590	560
	3F430	1150	1030	935	855	790	730	680	640	600	565	535
	3F475	1050	940	855	780	720	665	620	580	550	515	490
	3F515	950	850	770	705	650	605	560	525	495	465	440
	3F550	950	850	770	705	650	605	560	525	495	465	440
	3F600	800	715	650	595	550	510	475	445	415	395	370
	3F650	550	490	445	410	375	350	325	305	285	270	255
	3F700	350	310	285	260	240	220	205	190	180	170	160
	3V360	1150	1035	945	870	805	745	700	655	620	585	555
	3V405	1100	990	905	830	770	715	670	625	590	560	530
	3V450	1050	945	865	795	735	680	635	600	565	535	505
	3V490	950	855	780	715	665	615	575	540	510	480	455
	3V525	950	855	780	715	665	615	575	540	510	480	455
	3V575	800	720	655	605	560	520	485	455	430	405	385
	3V633	550	495	450	415	385	355	335	310	295	280	265
	3V688	350	315	285	265	245	225	210	200	185	175	165
Cushion Tire	2W270	1250	1120	1015	925	855	790	735	690	650	610	580
	2W300	1250	1120	1015	925	855	790	735	690	650	610	580
	2W330	1250	1120	1015	925	855	790	735	690	650	610	580
	2W350	1250	1120	1015	925	855	790	735	690	650	610	580
	2W370	1250	1120	1015	925	855	790	735	690	650	610	580
	2W400	1250	1120	1015	925	855	790	735	690	650	610	580
	2W450	1200	1075	975	890	820	760	705	660	620	585	555
	2W500	1150	1030	930	850	785	725	675	635	595	560	530
	2F270	1250	1120	1010	925	850	790	735	685	645	610	575
	2F300	1250	1120	1010	925	850	790	735	685	645	610	575
	2F330	1250	1120	1010	925	850	790	735	685	645	610	575
	2F350	1250	1120	1010	925	850	790	735	685	645	610	575
	2F370	1250	1120	1010	925	850	790	735	685	645	610	575
	2F400	1250	1120	1010	925	850	790	735	685	645	610	575
	3F385	1200	1075	975	890	825	765	710	665	625	590	560
	3F430	1200	1075	975	890	825	765	710	665	625	590	560
	3F475	1150	1030	935	855	790	730	680	640	600	565	535
	3F515	1100	985	895	820	755	700	650	610	575	540	510
	3F550	1050	940	855	780	720	665	620	580	550	515	490
	3F600	1000	895	810	745	685	635	590	555	520	490	465
	3F650	850	760	690	630	580	540	505	470	445	420	395
	3F700	600	535	485	445	410	380	355	330	310	295	280
	3V360	1150	1035	945	870	805	745	700	655	620	585	555
	3V405	1100	990	905	830	770	715	670	625	590	560	530
	3V450	1100	990	905	830	770	715	670	625	590	560	530
	3V490	1050	945	865	795	735	680	635	600	565	535	505
	3V525	1000	900	820	755	700	650	605	570	535	505	480
	3V575	950	855	780	715	665	615	575	540	510	480	455
	3V633	850	765	700	640	595	550	515	485	455	430	410
	3V688	600	540	490	450	420	390	365	340	320	305	290

TX-15 / S1N1L15Q <FORK>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W300	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W330	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W350	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W370	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W400	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W450	1450	1300	1175	1075	990	920	855	800	750	710	670
	2W500	1400	1255	1135	1040	955	885	825	775	725	685	650
	2F270	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F300	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F330	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F350	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F370	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F400	1500	1340	1215	1110	1020	945	880	825	775	730	690
	3F385	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F430	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F475	1400	1255	1140	1040	960	890	830	775	730	690	655
	3F515	1300	1165	1055	965	890	825	770	720	680	640	605
	3F550	1200	1075	975	890	825	765	710	665	625	590	560
	3F600	900	805	730	670	615	570	535	500	470	440	420
	3F650	700	625	570	520	480	445	415	385	365	345	325
	3F700	500	445	405	370	340	315	295	275	260	245	230
	3V360	1400	1260	1150	1060	980	910	850	800	750	710	675
	3V405	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V450	1300	1170	1070	980	910	845	790	740	700	660	625
	3V490	1250	1125	1025	945	875	810	760	715	670	635	600
	3V525	1200	1080	985	905	840	780	730	685	645	610	580
	3V575	900	810	740	680	630	585	545	510	485	455	435
	3V633	700	630	575	530	490	455	425	400	375	355	335
	3V688	500	450	410	375	350	325	300	285	265	250	240
Cushion Tire	2W270	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W300	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W330	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W350	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W370	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W400	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W450	1450	1300	1175	1075	990	920	855	800	750	710	670
	2W500	1400	1255	1135	1040	955	885	825	775	725	685	650
	2F270	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F300	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F330	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F350	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F370	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F400	1500	1340	1215	1110	1020	945	880	825	775	730	690
	3F385	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F430	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F475	1400	1255	1140	1040	960	890	830	775	730	690	655
	3F515	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F550	1300	1165	1055	965	890	825	770	720	680	640	605
	3F600	1150	1030	935	855	790	730	680	640	600	565	535
	3F650	950	850	770	705	650	605	560	525	495	465	440
	3F700	700	625	570	520	480	445	415	385	365	345	325
	3V360	1400	1260	1150	1060	980	910	850	800	750	710	675
	3V405	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V450	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V490	1300	1170	1070	980	910	845	790	740	700	660	625
	3V525	1250	1125	1025	945	875	810	760	715	670	635	600
	3V575	1150	1035	945	870	805	745	700	655	620	585	555
	3V633	950	855	780	715	665	615	575	540	510	480	455
	3V688	700	630	575	530	490	455	425	400	375	355	335

TX-15 / 1N1L15Q <FORK>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W300	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W330	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W350	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W370	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W400	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W450	1450	1300	1175	1075	990	920	855	800	750	710	670
	2W500	1400	1255	1135	1040	955	885	825	775	725	685	650
	2F270	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F300	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F330	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F350	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F370	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F400	1500	1340	1215	1110	1020	945	880	825	775	730	690
	3F385	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F430	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F475	1400	1255	1140	1040	960	890	830	775	730	690	655
	3F515	1300	1165	1055	965	890	825	770	720	680	640	605
	3F550	1200	1075	975	890	825	765	710	665	625	590	560
	3F600	900	805	730	670	615	570	535	500	470	440	420
	3F650	750	670	610	555	515	475	445	415	390	370	350
	3F700	550	490	445	410	375	350	325	305	285	270	255
	3V360	1400	1260	1150	1060	980	910	850	800	750	710	675
	3V405	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V450	1300	1170	1070	980	910	845	790	740	700	660	625
	3V490	1250	1125	1025	945	875	810	760	715	670	635	600
	3V525	1200	1080	985	905	840	780	730	685	645	610	580
	3V575	900	810	740	680	630	585	545	510	485	455	435
	3V633	750	675	615	565	525	485	455	425	400	380	360
	3V688	550	495	450	415	385	355	335	310	295	280	265
Cushion Tire	2W270	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W300	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W330	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W350	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W370	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W400	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W450	1450	1300	1175	1075	990	920	855	800	750	710	670
	2W500	1400	1255	1135	1040	955	885	825	775	725	685	650
	2F270	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F300	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F330	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F350	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F370	1500	1340	1215	1110	1020	945	880	825	775	730	690
	2F400	1500	1340	1215	1110	1020	945	880	825	775	730	690
	3F385	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F430	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F475	1400	1255	1140	1040	960	890	830	775	730	690	655
	3F515	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F550	1300	1165	1055	965	890	825	770	720	680	640	605
	3F600	1150	1030	935	855	790	730	680	640	600	565	535
	3F650	950	850	770	705	650	605	560	525	495	465	440
	3F700	700	625	570	520	480	445	415	385	365	345	325
	3V360	1400	1260	1150	1060	980	910	850	800	750	710	675
	3V405	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V450	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V490	1300	1170	1070	980	910	845	790	740	700	660	625
	3V525	1250	1125	1025	945	875	810	760	715	670	635	600
	3V575	1150	1035	945	870	805	745	700	655	620	585	555
	3V633	950	855	780	715	665	615	575	540	510	480	455
	3V688	700	630	575	530	490	455	425	400	375	355	335

TX-16 / G1N1L16Q <FORK>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W300	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W330	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W350	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W370	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W400	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W450	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2W500	1450	1300	1175	1075	990	920	855	800	750	710	670
	2F270	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F300	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F330	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F350	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F370	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F400	1550	1385	1255	1145	1055	980	910	855	800	755	715
	3F385	1550	1390	1260	1155	1065	985	920	860	810	765	725
	3F430	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F475	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F515	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F550	1300	1165	1055	965	890	825	770	720	680	640	605
	3F600	1250	1120	1015	930	855	795	740	695	650	615	585
	3F650	1150	1030	935	855	790	730	680	640	600	565	535
	3F700	1100	985	895	820	755	700	650	610	575	540	510
	3V360	1550	1400	1275	1170	1085	1010	940	885	835	790	745
	3V405	1500	1355	1235	1135	1050	975	910	855	805	760	725
	3V450	1450	1310	1190	1095	1015	945	880	825	780	735	700
	3V490	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V525	1300	1170	1070	980	910	845	790	740	700	660	625
	3V575	1250	1125	1025	945	875	810	760	715	670	635	600
	3V633	1150	1035	945	870	805	745	700	655	620	585	555
	3V688	1100	990	905	830	770	715	670	625	590	560	530
Cushion Tire	2W270	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W300	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W330	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W350	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W370	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W400	1600	1430	1300	1185	1095	1015	945	885	830	785	740
	2W450	1550	1385	1255	1150	1060	980	915	855	805	760	720
	2W500	1500	1345	1215	1110	1025	950	885	830	780	735	695
	2F270	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F300	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F330	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F350	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F370	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	2F400	1600	1430	1295	1185	1090	1010	940	880	825	780	740
	3F385	1600	1435	1300	1190	1100	1020	950	890	835	790	745
	3F430	1550	1390	1260	1155	1065	985	920	860	810	765	725
	3F475	1500	1345	1220	1115	1030	955	890	835	785	740	700
	3F515	1450	1300	1180	1080	995	920	860	805	755	715	675
	3F550	1400	1255	1140	1040	960	890	830	775	730	690	655
	3F600	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F650	1300	1165	1055	965	890	825	770	720	680	640	605
	3F700	1250	1120	1015	930	855	795	740	695	650	615	585
	3V360	1550	1400	1275	1170	1085	1010	940	885	835	790	745
	3V405	1500	1355	1235	1135	1050	975	910	855	805	760	725
	3V450	1450	1310	1190	1095	1015	945	880	825	780	735	700
	3V490	1400	1260	1150	1060	980	910	850	800	750	710	675
	3V525	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V575	1350	1215	1110	1020	945	875	820	770	725	685	650
	3V633	1250	1125	1025	945	875	810	760	715	670	635	600
	3V688	1200	1080	985	905	840	780	730	685	645	610	580

TX-18 / 1N1L18Q <FORK>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W300	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W330	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W350	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W370	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W400	1700	1525	1380	1265	1165	1080	1005	940	885	835	790
	2W450	1600	1435	1300	1190	1095	1015	945	885	830	785	745
	2W500	1500	1345	1220	1115	1025	950	885	830	780	735	695
	2F270	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F300	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F330	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F350	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F370	1700	1520	1380	1260	1160	1075	1000	940	880	830	785
	2F400	1650	1475	1340	1225	1125	1045	975	910	855	805	765
	3F385	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F430	1600	1435	1305	1190	1100	1020	950	890	840	790	750
	3F475	1550	1390	1260	1155	1065	990	920	865	810	765	725
	3F515	1450	1300	1180	1080	995	925	860	805	760	715	680
	3F550	1250	1120	1015	930	860	795	740	695	655	615	585
	3F600	950	850	770	705	650	605	565	530	495	470	445
	3V360	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V405	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V450	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V490	1450	1310	1195	1095	1015	945	885	830	780	740	700
	3V525	1250	1125	1030	945	875	815	760	715	675	635	605
	3V575	950	855	780	720	665	620	580	540	510	485	460
Cushion Tire	2W270	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W300	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W330	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W350	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W370	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W400	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W450	1650	1480	1340	1225	1130	1045	975	915	860	810	765
	2W500	1550	1390	1260	1150	1060	985	915	860	805	760	720
	2F270	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F300	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F330	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F350	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F370	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F400	1700	1520	1380	1260	1160	1075	1000	940	880	830	785
	3F385	1700	1525	1385	1265	1170	1085	1010	945	890	840	795
	3F430	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F475	1600	1435	1305	1190	1100	1020	950	890	840	790	750
	3F515	1500	1345	1220	1120	1030	955	890	835	785	740	700
	3F550	1450	1300	1180	1080	995	925	860	805	760	715	680
	3F600	1200	1075	975	895	825	765	715	670	630	590	560
	3V360	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V405	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V450	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V490	1450	1310	1195	1095	1015	945	885	830	780	740	700
	3V525	1400	1265	1150	1060	980	910	850	800	755	715	675
	3V575	1200	1080	985	905	840	780	730	685	645	610	580

TX-18 / G1N1L18Q <FORK>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W300	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W330	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W350	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W370	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W400	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W450	1650	1480	1340	1225	1130	1045	975	915	860	810	765
	2W500	1550	1390	1260	1150	1060	985	915	860	805	760	720
	2F270	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F300	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F330	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F350	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F370	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
	2F400	1700	1520	1380	1260	1160	1075	1000	940	880	830	785
	3F385	1700	1525	1385	1265	1170	1085	1010	945	890	840	795
	3F430	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F475	1600	1435	1305	1190	1100	1020	950	890	840	790	750
	3F515	1500	1345	1220	1120	1030	955	890	835	785	740	700
	3F550	1400	1255	1140	1045	960	890	830	780	735	690	655
	3F600	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F650	1300	1165	1060	970	895	830	770	725	680	640	610
	3F700	1200	1075	975	895	825	765	715	670	630	590	560
	3V360	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
	3V405	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
	3V450	1600	1445	1315	1210	1120	1040	975	915	860	815	775
	3V490	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V525	1400	1265	1150	1060	980	910	850	800	755	715	675
	3V575	1300	1175	1070	985	910	845	790	745	700	660	630
	3V633	1200	1080	985	905	840	780	730	685	645	610	580
	3V688	1150	1035	945	870	805	750	700	655	620	585	555
Cushion Tire	2W270	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W300	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W330	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W350	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W370	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W400	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2W450	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2W500	1700	1525	1380	1265	1165	1080	1005	940	885	835	790
	2F270	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F300	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F330	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F350	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F370	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	2F400	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
	3F385	1800	1615	1465	1340	1235	1150	1070	1005	945	890	845
	3F430	1750	1570	1425	1305	1205	1115	1040	975	915	865	820
	3F475	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F515	1600	1435	1305	1190	1100	1020	950	890	840	790	750
	3F550	1550	1390	1260	1155	1065	990	920	865	810	765	725
	3F600	1500	1345	1220	1120	1030	955	890	835	785	740	700
	3F650	1450	1300	1180	1080	995	925	860	805	760	715	680
	3F700	1400	1255	1140	1045	960	890	830	780	735	690	655
	3V360	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
	3V405	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
	3V450	1600	1445	1315	1210	1120	1040	975	915	860	815	775
	3V490	1550	1400	1275	1175	1085	1010	945	885	835	790	750
	3V525	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V575	1450	1310	1195	1095	1015	945	885	830	780	740	700
	3V633	1400	1265	1150	1060	980	910	850	800	755	715	675
	3V688	1300	1175	1070	985	910	845	790	745	700	660	630

TX-20 / G1N1L20Q <FORK>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W300	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W330	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W350	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W370	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W400	1950	1745	1585	1450	1335	1235	1155	1080	1015	960	905
	2W450	1850	1655	1505	1375	1265	1175	1095	1025	965	910	860
	2W500	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
	2F270	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F300	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F330	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F350	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F370	1950	1745	1580	1445	1330	1235	1150	1075	1010	955	905
	2F400	1900	1700	1540	1410	1300	1205	1120	1050	985	930	880
	3F385	1900	1705	1545	1415	1305	1210	1130	1060	995	940	890
	3F430	1850	1660	1505	1380	1270	1180	1100	1030	970	915	865
	3F475	1750	1570	1425	1305	1205	1115	1040	975	915	865	820
	3F515	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F550	1550	1390	1260	1155	1065	990	920	865	810	765	725
	3F600	1450	1300	1180	1080	995	925	860	805	760	715	680
	3F650	1350	1210	1100	1005	925	860	800	750	705	665	630
	3F700	1200	1075	975	895	825	765	715	670	630	590	560
	3V360	1850	1670	1525	1400	1295	1205	1125	1060	995	945	895
	3V405	1800	1625	1480	1360	1260	1175	1095	1030	970	920	870
	3V450	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
	3V490	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
	3V525	1550	1400	1275	1175	1085	1010	945	885	835	790	750
	3V575	1450	1310	1195	1095	1015	945	885	830	780	740	700
	3V633	1350	1220	1110	1020	945	880	820	770	725	690	650
	3V688	1200	1080	985	905	840	780	730	685	645	610	580
Cushion Tire	2W270	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W300	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W330	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W350	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W370	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
	2W400	1950	1745	1585	1450	1335	1235	1155	1080	1015	960	905
	2W450	1850	1655	1505	1375	1265	1175	1095	1025	965	910	860
	2W500	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
	2F270	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F300	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F330	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F350	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F370	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
	2F400	1950	1745	1580	1445	1330	1235	1150	1075	1010	955	905
	3F385	1900	1705	1545	1415	1305	1210	1130	1060	995	940	890
	3F430	1850	1660	1505	1380	1270	1180	1100	1030	970	915	865
	3F475	1800	1615	1465	1340	1235	1150	1070	1005	945	890	845
	3F515	1750	1570	1425	1305	1205	1115	1040	975	915	865	820
	3F550	1700	1525	1385	1265	1170	1085	1010	945	890	840	795
	3F600	1650	1480	1345	1230	1135	1050	980	920	865	815	770
	3F650	1600	1435	1305	1190	1100	1020	950	890	840	790	750
	3F700	1500	1345	1220	1120	1030	955	890	835	785	740	700
	3V360	1850	1670	1525	1400	1295	1205	1125	1060	995	945	895
	3V405	1800	1625	1480	1360	1260	1175	1095	1030	970	920	870
	3V450	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
	3V490	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
	3V525	1600	1445	1315	1210	1120	1040	975	915	860	815	775
	3V575	1550	1400	1275	1175	1085	1010	945	885	835	790	750
	3V633	1500	1355	1235	1135	1050	975	915	860	810	765	725
	3V688	1450	1310	1195	1095	1015	945	885	830	780	740	700

Loading Capacity Side Shift - Integral Type

TX-13 / S1N1L13Q <Side Shift - Integral Type>

Unit: kg

Mast name	Load center	500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1250	1125	1020	935	865	800	750	700	660	625	590
	2W300	1250	1125	1020	935	865	800	750	700	660	625	590
	2W330	1250	1125	1020	935	865	800	750	700	660	625	590
	2W350	1250	1125	1020	935	865	800	750	700	660	625	590
	2W370	1250	1125	1020	935	865	800	750	700	660	625	590
	2W400	1250	1125	1020	935	865	800	750	700	660	625	590
	2W450	1150	1035	940	860	795	735	690	645	605	575	540
	2W500	1100	990	900	825	760	705	660	615	580	550	520
	2F270	1250	1120	1020	935	860	800	745	700	655	620	590
	2F300	1250	1120	1020	935	860	800	745	700	655	620	590
	2F330	1250	1120	1020	935	860	800	745	700	655	620	590
	2F350	1250	1120	1020	935	860	800	745	700	655	620	590
	2F370	1250	1120	1020	935	860	800	745	700	655	620	590
	2F400	1200	1075	980	895	825	765	715	670	630	595	565
	3F385	1200	1080	980	900	830	775	720	675	635	600	570
	3F430	1150	1035	940	865	795	740	690	650	610	575	545
	3F475	1050	945	860	790	725	675	630	590	555	525	500
	3F515	950	855	775	710	660	610	570	535	505	475	450
	3F550	950	855	775	710	660	610	570	535	505	475	450
	3F600	800	720	655	600	555	515	480	450	425	400	380
	3F650	550	495	450	410	380	355	330	310	290	275	260
	3F700	350	315	285	260	240	225	210	195	185	175	165
	3V360	1150	1040	950	875	810	755	705	665	625	595	565
	3V405	1100	995	910	835	775	725	675	635	600	570	540
	3V450	1050	950	870	800	740	690	645	605	570	540	515
	3V490	950	860	785	725	670	625	585	550	520	490	465
	3V525	950	860	785	725	670	625	585	550	520	490	465
	3V575	800	725	660	610	565	525	490	460	435	410	390
	3V633	550	495	455	415	385	360	335	315	300	285	270
	3V688	350	315	290	265	245	230	215	200	190	180	170
Cushion Tire	2W270	1250	1125	1020	935	865	800	750	700	660	625	590
	2W300	1250	1125	1020	935	865	800	750	700	660	625	590
	2W330	1250	1125	1020	935	865	800	750	700	660	625	590
	2W350	1250	1125	1020	935	865	800	750	700	660	625	590
	2W370	1250	1125	1020	935	865	800	750	700	660	625	590
	2W400	1250	1125	1020	935	865	800	750	700	660	625	590
	2W450	1200	1080	980	900	830	770	720	675	635	600	565
	2W500	1150	1035	940	860	795	735	690	645	605	575	540
	2F270	1250	1120	1020	935	860	800	745	700	655	620	590
	2F300	1250	1120	1020	935	860	800	745	700	655	620	590
	2F330	1250	1120	1020	935	860	800	745	700	655	620	590
	2F350	1250	1120	1020	935	860	800	745	700	655	620	590
	2F370	1250	1120	1020	935	860	800	745	700	655	620	590
	2F400	1250	1120	1020	935	860	800	745	700	655	620	590
	3F385	1200	1080	980	900	830	775	720	675	635	600	570
	3F430	1200	1080	980	900	830	775	720	675	635	600	570
	3F475	1150	1035	940	865	795	740	690	650	610	575	545
	3F515	1100	990	900	825	760	710	660	620	585	550	520
	3F550	1050	945	860	790	725	675	630	590	555	525	500
	3F600	1000	900	820	750	695	645	600	565	530	500	475
	3F650	850	765	695	635	590	545	510	480	450	425	405
	3F700	600	540	490	450	415	385	360	335	315	300	285
	3V360	1150	1040	950	875	810	755	705	665	625	595	565
	3V405	1100	995	910	835	775	725	675	635	600	570	540
	3V450	1100	995	910	835	775	725	675	635	600	570	540
	3V490	1050	950	870	800	740	690	645	605	570	540	515
	3V525	1000	905	825	760	705	655	615	580	545	515	490
	3V575	950	860	785	725	670	625	585	550	520	490	465
	3V633	850	770	700	645	600	560	520	490	465	440	415
	3V688	600	540	495	455	420	395	370	345	325	310	295

TX-15 / S1N1L15Q <Side Shift - Integral Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W300	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W330	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W350	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W370	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W400	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W450	1450	1305	1185	1085	1000	930	870	815	765	725	685
	2W500	1400	1260	1145	1050	965	900	840	785	740	700	660
	2F270	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F300	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F330	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F350	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F370	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F400	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F385	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F430	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F475	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F515	1300	1170	1065	975	900	835	780	735	690	650	620
	3F550	1200	1080	980	900	830	775	720	675	635	600	570
	3F600	900	810	735	675	625	580	540	505	475	450	425
	3F650	700	630	570	525	485	450	420	395	370	350	330
	3F700	500	450	410	375	345	320	300	280	265	250	235
	3V360	1400	1265	1160	1065	990	920	860	810	765	725	685
	3V405	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V450	1300	1175	1075	990	915	855	800	750	710	670	635
	3V490	1250	1130	1035	950	880	820	770	725	680	645	610
	3V525	1200	1085	990	915	845	790	740	695	655	620	590
	3V575	900	815	745	685	635	590	555	520	490	465	440
	3V633	700	630	580	530	495	460	430	405	380	360	340
	3V688	500	450	410	380	350	325	305	290	270	255	245
Cushion Tire	2W270	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W300	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W330	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W350	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W370	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W400	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W450	1450	1305	1185	1085	1000	930	870	815	765	725	685
	2W500	1400	1260	1145	1050	965	900	840	785	740	700	660
	2F270	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F300	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F330	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F350	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F370	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F400	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F385	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F430	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F475	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F515	1350	1215	1105	1015	935	870	810	760	715	675	640
	3F550	1300	1170	1065	975	900	835	780	735	690	650	620
	3F600	1150	1035	940	865	795	740	690	650	610	575	545
	3F650	950	855	775	710	660	610	570	535	505	475	450
	3F700	700	630	570	525	485	450	420	395	370	350	330
	3V360	1400	1265	1160	1065	990	920	860	810	765	725	685
	3V405	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V450	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V490	1300	1175	1075	990	915	855	800	750	710	670	635
	3V525	1250	1130	1035	950	880	820	770	725	680	645	610
	3V575	1150	1040	950	875	810	755	705	665	625	595	565
	3V633	950	860	785	725	670	625	585	550	520	490	465
	3V688	700	630	580	530	495	460	430	405	380	360	340

TX-15 / 1N1L15Q <Side Shift - Integral Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W300	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W330	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W350	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W370	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W400	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W450	1450	1305	1185	1085	1000	930	870	815	765	725	685
	2W500	1400	1260	1145	1050	965	900	840	785	740	700	660
	2F270	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F300	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F330	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F350	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F370	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F400	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F385	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F430	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F475	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F515	1300	1170	1065	975	900	835	780	735	690	650	620
	3F550	1200	1080	980	900	830	775	720	675	635	600	570
	3F600	900	810	735	675	625	580	540	505	475	450	425
	3F650	750	675	615	560	520	480	450	420	395	375	355
	3F700	550	495	450	410	380	355	330	310	290	275	260
	3V360	1400	1265	1160	1065	990	920	860	810	765	725	685
	3V405	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V450	1300	1175	1075	990	915	855	800	750	710	670	635
	3V490	1250	1130	1035	950	880	820	770	725	680	645	610
	3V525	1200	1085	990	915	845	790	740	695	655	620	590
	3V575	900	815	745	685	635	590	555	520	490	465	440
	3V633	750	675	620	570	530	490	460	435	410	385	365
	3V688	550	495	455	415	385	360	335	315	300	285	270
Cushion Tire	2W270	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W300	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W330	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W350	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W370	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W400	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W450	1450	1305	1185	1085	1000	930	870	815	765	725	685
	2W500	1400	1260	1145	1050	965	900	840	785	740	700	660
	2F270	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F300	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F330	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F350	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F370	1500	1345	1225	1120	1035	960	895	840	790	745	705
	2F400	1500	1345	1225	1120	1035	960	895	840	790	745	705
	3F385	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F430	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F475	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F515	1350	1215	1105	1015	935	870	810	760	715	675	640
	3F550	1300	1170	1065	975	900	835	780	735	690	650	620
	3F600	1150	1035	940	865	795	740	690	650	610	575	545
	3F650	950	855	775	710	660	610	570	535	505	475	450
	3F700	700	630	570	525	485	450	420	395	370	350	330
	3V360	1400	1265	1160	1065	990	920	860	810	765	725	685
	3V405	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V450	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V490	1300	1175	1075	990	915	855	800	750	710	670	635
	3V525	1250	1130	1035	950	880	820	770	725	680	645	610
	3V575	1150	1040	950	875	810	755	705	665	625	595	565
	3V633	950	860	785	725	670	625	585	550	520	490	465
	3V688	700	630	580	530	495	460	430	405	380	360	340

TX-16 / G1N1L16Q <Side Shift - Integral Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W300	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W330	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W350	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W370	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W400	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W450	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2W500	1450	1305	1185	1085	1000	930	870	815	765	725	685
	2F270	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F300	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F330	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F350	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F370	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F400	1550	1390	1265	1160	1070	990	925	865	815	770	730
	3F385	1550	1395	1270	1165	1075	1000	930	875	825	780	735
	3F430	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F475	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F515	1350	1215	1105	1015	935	870	810	760	715	675	640
	3F550	1300	1170	1065	975	900	835	780	735	690	650	620
	3F600	1250	1125	1025	940	865	805	750	705	665	625	595
	3F650	1150	1035	940	865	795	740	690	650	610	575	545
	3F700	1100	990	900	825	760	710	660	620	585	550	520
	3V360	1550	1400	1280	1180	1095	1020	955	895	845	800	760
	3V405	1500	1355	1240	1145	1060	985	925	870	820	775	735
	3V450	1450	1310	1200	1105	1025	955	895	840	790	750	710
	3V490	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V525	1300	1175	1075	990	915	855	800	750	710	670	635
	3V575	1250	1130	1035	950	880	820	770	725	680	645	610
	3V633	1150	1040	950	875	810	755	705	665	625	595	565
	3V688	1100	995	910	835	775	725	675	635	600	570	540
Cushion Tire	2W270	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W300	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W330	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W350	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W370	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W400	1600	1440	1305	1200	1105	1025	960	900	845	800	755
	2W450	1550	1395	1265	1160	1070	995	930	870	820	775	730
	2W500	1500	1350	1225	1125	1035	960	900	840	790	750	710
	2F270	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F300	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F330	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F350	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F370	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	2F400	1600	1435	1305	1195	1105	1025	955	895	840	795	755
	3F385	1600	1440	1310	1200	1110	1030	965	905	850	805	760
	3F430	1550	1395	1270	1165	1075	1000	930	875	825	780	735
	3F475	1500	1350	1230	1125	1040	965	900	845	795	750	715
	3F515	1450	1305	1185	1090	1005	935	870	820	770	725	690
	3F550	1400	1260	1145	1050	970	900	840	790	745	700	665
	3F600	1350	1215	1105	1015	935	870	810	760	715	675	640
	3F650	1300	1170	1065	975	900	835	780	735	690	650	620
	3F700	1250	1125	1025	940	865	805	750	705	665	625	595
	3V360	1550	1400	1280	1180	1095	1020	955	895	845	800	760
	3V405	1500	1355	1240	1145	1060	985	925	870	820	775	735
	3V450	1450	1310	1200	1105	1025	955	895	840	790	750	710
	3V490	1400	1265	1160	1065	990	920	860	810	765	725	685
	3V525	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V575	1350	1220	1115	1030	955	890	830	780	735	695	660
	3V633	1250	1130	1035	950	880	820	770	725	680	645	610
	3V688	1200	1085	990	915	845	790	740	695	655	620	590

TX-18 / 1N1L18Q <Side Shift - Integral Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W300	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W330	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W350	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W370	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W400	1700	1530	1390	1275	1175	1095	1020	955	900	850	805
	2W450	1600	1440	1310	1200	1105	1030	960	900	845	800	760
	2W500	1500	1350	1225	1125	1040	965	900	845	795	750	710
	2F270	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F300	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F330	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F350	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F370	1700	1525	1390	1270	1175	1090	1015	955	895	845	800
	2F400	1650	1480	1345	1235	1140	1060	985	925	870	820	780
	3F385	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F430	1600	1440	1310	1205	1110	1035	965	905	850	805	765
	3F475	1550	1395	1270	1165	1075	1000	935	875	825	780	740
	3F515	1450	1305	1190	1090	1005	935	875	820	770	730	690
	3F550	1250	1125	1025	940	870	805	755	705	665	630	595
	3F600	950	855	775	715	660	610	570	535	505	475	450
	3V360	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V405	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V450	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V490	1450	1310	1200	1105	1025	955	895	840	795	750	715
	3V525	1250	1130	1035	955	885	825	770	725	685	645	615
	3V575	950	860	785	725	670	625	585	550	520	490	465
Cushion Tire	2W270	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W300	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W330	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W350	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W370	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W400	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W450	1650	1485	1350	1235	1140	1060	990	930	875	825	780
	2W500	1550	1395	1265	1160	1070	995	930	870	820	775	735
	2F270	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F300	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F330	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F350	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F370	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F400	1700	1525	1390	1270	1175	1090	1015	955	895	845	800
	3F385	1700	1530	1395	1280	1180	1100	1025	960	905	855	810
	3F430	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F475	1600	1440	1310	1205	1110	1035	965	905	850	805	765
	3F515	1500	1350	1230	1130	1040	970	905	850	800	755	715
	3F550	1450	1305	1190	1090	1005	935	875	820	770	730	690
	3F600	1200	1080	985	900	835	775	725	680	640	605	570
	3V360	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V405	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V450	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V490	1450	1310	1200	1105	1025	955	895	840	795	750	715
	3V525	1400	1265	1160	1070	990	920	865	810	765	725	690
	3V575	1200	1085	995	915	850	790	740	695	655	620	590

TX-18 / G1N1L18Q <Side Shift - Integral Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W300	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W330	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W350	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W370	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W400	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W450	1650	1485	1350	1235	1140	1060	990	930	875	825	780
	2W500	1550	1395	1265	1160	1070	995	930	870	820	775	735
	2F270	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F300	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F330	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F350	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F370	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
	2F400	1700	1525	1390	1270	1175	1090	1015	955	895	845	800
	3F385	1700	1530	1395	1280	1180	1100	1025	960	905	855	810
	3F430	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F475	1600	1440	1310	1205	1110	1035	965	905	850	805	765
	3F515	1500	1350	1230	1130	1040	970	905	850	800	755	715
	3F550	1400	1260	1145	1050	970	905	845	790	745	705	665
	3F600	1350	1215	1105	1015	935	870	815	765	720	680	645
	3F650	1250	1125	1025	940	870	805	755	705	665	630	595
	3F700	1200	1080	985	900	835	775	725	680	640	605	570
	3V360	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
	3V405	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
	3V450	1600	1450	1325	1220	1130	1055	985	930	875	830	785
	3V490	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V525	1400	1265	1160	1070	990	920	865	810	765	725	690
	3V575	1350	1220	1115	1030	955	890	835	785	740	700	665
	3V633	1250	1130	1035	955	885	825	770	725	685	645	615
	3V688	1200	1085	995	915	850	790	740	695	655	620	590
Cushion Tire	2W270	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W300	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W330	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W350	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W370	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W400	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2W450	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2W500	1700	1530	1390	1275	1175	1095	1020	955	900	850	805
	2F270	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F300	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F330	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F350	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F370	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	2F400	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
	3F385	1800	1620	1475	1355	1250	1160	1085	1020	960	905	860
	3F430	1750	1575	1435	1315	1215	1130	1055	990	930	880	835
	3F475	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F515	1600	1440	1310	1205	1110	1035	965	905	850	805	765
	3F550	1550	1395	1270	1165	1075	1000	935	875	825	780	740
	3F600	1500	1350	1230	1130	1040	970	905	850	800	755	715
	3F650	1450	1305	1190	1090	1005	935	875	820	770	730	690
	3F700	1400	1260	1145	1050	970	905	845	790	745	705	665
	3V360	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
	3V405	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
	3V450	1600	1450	1325	1220	1130	1055	985	930	875	830	785
	3V490	1550	1405	1285	1180	1095	1020	955	900	850	805	760
	3V525	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V575	1450	1310	1200	1105	1025	955	895	840	795	750	715
	3V633	1400	1265	1160	1070	990	920	865	810	765	725	690
	3V688	1300	1175	1075	990	920	855	800	755	710	675	640

TX-20 / G1N1L20Q <Side Shift - Integral Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W300	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W330	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W350	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W370	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W400	1950	1755	1595	1460	1350	1255	1170	1095	1035	975	925
	2W450	1850	1665	1515	1385	1280	1190	1110	1040	980	925	875
	2W500	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
	2F270	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F300	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F330	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F350	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F370	1950	1750	1595	1460	1345	1250	1165	1095	1030	970	920
	2F400	1900	1705	1550	1420	1310	1220	1135	1065	1005	945	895
	3F385	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
	3F430	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
	3F475	1750	1575	1435	1315	1215	1130	1055	990	930	880	835
	3F515	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F550	1550	1395	1270	1165	1075	1000	935	875	825	780	740
	3F600	1450	1305	1190	1090	1005	935	875	820	770	730	690
	3F650	1350	1215	1105	1015	935	870	815	765	720	680	645
	3F700	1200	1080	985	900	835	775	725	680	640	605	570
	3V360	1850	1675	1530	1410	1310	1220	1140	1075	1015	960	910
	3V405	1800	1630	1490	1375	1275	1185	1110	1045	985	935	885
	3V450	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
	3V490	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
	3V525	1550	1405	1285	1180	1095	1020	955	900	850	805	760
	3V575	1450	1310	1200	1105	1025	955	895	840	795	750	715
	3V633	1350	1220	1115	1030	955	890	835	785	740	700	665
	3V688	1200	1085	995	915	850	790	740	695	655	620	590
Cushion Tire	2W270	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W300	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W330	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W350	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W370	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
	2W400	1950	1755	1595	1460	1350	1255	1170	1095	1035	975	925
	2W450	1850	1665	1515	1385	1280	1190	1110	1040	980	925	875
	2W500	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
	2F270	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F300	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F330	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F350	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F370	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
	2F400	1950	1750	1595	1460	1345	1250	1165	1095	1030	970	920
	3F385	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
	3F430	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
	3F475	1800	1620	1475	1355	1250	1160	1085	1020	960	905	860
	3F515	1750	1575	1435	1315	1215	1130	1055	990	930	880	835
	3F550	1700	1530	1395	1280	1180	1100	1025	960	905	855	810
	3F600	1650	1485	1350	1240	1145	1065	995	935	880	830	785
	3F650	1600	1440	1310	1205	1110	1035	965	905	850	805	765
	3F700	1500	1350	1230	1130	1040	970	905	850	800	755	715
	3V360	1850	1675	1530	1410	1310	1220	1140	1075	1015	960	910
	3V405	1800	1630	1490	1375	1275	1185	1110	1045	985	935	885
	3V450	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
	3V490	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
	3V525	1600	1450	1325	1220	1130	1055	985	930	875	830	785
	3V575	1550	1405	1285	1180	1095	1020	955	900	850	805	760
	3V633	1500	1360	1240	1145	1060	990	925	870	820	775	735
	3V688	1450	1310	1200	1105	1025	955	895	840	795	750	715

Loading Capacity Side Shift - Hook On Type

TX-13 / S1N1L13Q <Side Shift - Hook On Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1250	1125	1025	940	870	810	755	710	670	630	600
	2W300	1250	1125	1025	940	870	810	755	710	670	630	600
	2W330	1250	1125	1025	940	870	810	755	710	670	630	600
	2W350	1200	1080	985	905	835	775	725	680	640	605	575
	2W370	1150	1035	945	865	800	745	695	655	615	580	550
	2W400	1100	990	900	830	765	710	665	625	590	555	525
	2W450	1050	945	860	790	730	680	635	595	560	530	505
	2W500	1000	900	820	755	695	645	605	565	535	505	480
	2F270	1250	1125	1025	940	870	810	755	710	665	630	595
	2F300	1250	1125	1025	940	870	810	755	710	665	630	595
	2F330	1200	1080	985	905	835	775	725	680	640	605	575
	2F350	1150	1035	940	865	800	745	695	650	615	580	550
	2F370	1100	990	900	825	765	710	665	620	585	555	525
	2F400	1050	945	860	790	730	680	635	595	560	530	500
	3F385	1150	1035	945	870	805	750	700	655	620	585	555
	3F430	1100	990	905	830	770	715	670	630	590	560	530
	3F475	1000	900	820	755	700	650	610	570	535	510	480
	3F515	900	810	740	680	630	585	545	515	485	455	435
	3F550	850	765	700	640	595	550	515	485	455	430	410
	3F600	750	675	615	565	525	485	455	425	400	380	360
	3F650	500	450	410	375	350	325	305	285	265	255	240
	3F700	300	270	245	225	210	195	180	170	160	150	145
	3V360	1100	995	915	845	780	730	685	645	605	575	545
	3V405	1050	950	870	805	745	695	655	615	580	550	520
	3V450	1000	905	830	765	710	665	620	585	550	525	495
	3V490	900	815	745	690	640	595	560	525	495	470	445
	3V525	850	770	705	650	605	565	530	495	470	445	420
	3V575	750	680	620	575	530	495	465	440	415	390	370
	3V633	500	450	415	380	355	330	310	290	275	260	245
	3V688	300	270	245	230	210	195	185	175	165	155	145
Cushion Tire	2W270	1250	1125	1025	940	870	810	755	710	670	630	600
	2W300	1250	1125	1025	940	870	810	755	710	670	630	600
	2W330	1250	1125	1025	940	870	810	755	710	670	630	600
	2W350	1250	1125	1025	940	870	810	755	710	670	630	600
	2W370	1200	1080	985	905	835	775	725	680	640	605	575
	2W400	1150	1035	945	865	800	745	695	655	615	580	550
	2W450	1100	990	900	830	765	710	665	625	590	555	525
	2W500	1050	945	860	790	730	680	635	595	560	530	505
	2F270	1250	1125	1025	940	870	810	755	710	665	630	595
	2F300	1250	1125	1025	940	870	810	755	710	665	630	595
	2F330	1250	1125	1025	940	870	810	755	710	665	630	595
	2F350	1200	1080	985	905	835	775	725	680	640	605	575
	2F370	1150	1035	940	865	800	745	695	650	615	580	550
	2F400	1100	990	900	825	765	710	665	620	585	555	525
	3F385	1150	1035	945	870	805	750	700	655	620	585	555
	3F430	1100	990	905	830	770	715	670	630	590	560	530
	3F475	1000	900	820	755	700	650	610	570	535	510	480
	3F515	950	855	780	715	665	615	575	540	510	485	460
	3F550	900	810	740	680	630	585	545	515	485	455	435
	3F600	850	765	700	640	595	550	515	485	455	430	410
	3F650	750	675	615	565	525	485	455	425	400	380	360
	3F700	550	495	450	415	385	355	335	315	295	280	265
	3V360	1100	995	915	845	780	730	685	645	605	575	545
	3V405	1050	950	870	805	745	695	655	615	580	550	520
	3V450	1000	905	830	765	710	665	620	585	550	525	495
	3V490	950	860	790	725	675	630	590	555	525	495	470
	3V525	900	815	745	690	640	595	560	525	495	470	445
	3V575	850	770	705	650	605	565	530	495	470	445	420
	3V633	750	680	620	575	530	495	465	440	415	390	370
	3V688	500	450	415	380	355	330	310	290	275	260	245

TX-15 / S1N1L15Q <Side Shift - Hook On Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W350	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W370	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W400	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W450	1350	1215	1110	1015	940	875	815	765	720	680	645
	2W500	1300	1170	1065	980	905	840	785	740	695	655	625
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F330	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F350	1400	1260	1150	1055	975	905	845	795	745	705	670
	2F370	1400	1260	1150	1055	975	905	845	795	745	705	670
	2F400	1350	1215	1105	1015	940	870	815	765	720	680	645
	3F385	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F430	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F475	1300	1170	1070	985	910	845	790	740	700	660	625
	3F515	1200	1080	985	905	840	780	730	685	645	610	580
	3F550	1100	990	905	830	770	715	670	630	590	560	530
	3F600	850	765	700	640	595	550	515	485	455	430	410
	3F650	650	585	535	490	455	420	395	370	350	330	310
	3F700	450	405	370	340	315	290	270	255	240	225	215
	3V360	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V405	1300	1180	1080	995	925	865	810	760	720	680	645
	3V450	1250	1135	1040	960	890	830	775	730	690	655	620
	3V490	1200	1090	995	920	855	795	745	700	665	630	595
	3V525	1100	995	915	845	780	730	685	645	605	575	545
	3V575	850	770	705	650	605	565	530	495	470	445	420
	3V633	650	590	540	495	460	430	405	380	360	340	320
	3V688	450	405	370	345	320	295	280	260	245	235	220
Cushion Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W350	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W370	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W400	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W450	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W500	1350	1215	1110	1015	940	875	815	765	720	680	645
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F330	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F350	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F370	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F400	1400	1260	1150	1055	975	905	845	795	745	705	670
	3F385	1450	1310	1195	1095	1015	945	880	830	780	740	700
	3F430	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F475	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F515	1250	1125	1030	945	875	815	760	715	670	635	605
	3F550	1100	990	905	830	770	715	670	630	590	560	530
	3F600	1000	900	820	755	700	650	610	570	535	510	480
	3F650	850	765	700	640	595	550	515	485	455	430	410
	3F700	600	540	490	450	420	390	365	340	320	305	290
	3V360	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V405	1300	1180	1080	995	925	865	810	760	720	680	645
	3V450	1300	1180	1080	995	925	865	810	760	720	680	645
	3V490	1250	1135	1040	960	890	830	775	730	690	655	620
	3V525	1150	1040	955	880	820	765	715	675	635	600	570
	3V575	1000	905	830	765	710	665	620	585	550	525	495
	3V633	850	770	705	650	605	565	530	495	470	445	420
	3V688	600	545	495	460	425	395	370	350	330	315	295

TX-15 / 1N1L15Q <Side Shift - Hook On Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W350	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W370	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W400	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W450	1350	1215	1110	1015	940	875	815	765	720	680	645
	2W500	1300	1170	1065	980	905	840	785	740	695	655	625
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F330	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F350	1400	1260	1150	1055	975	905	845	795	745	705	670
	2F370	1400	1260	1150	1055	975	905	845	795	745	705	670
	2F400	1350	1215	1105	1015	940	870	815	765	720	680	645
	3F385	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F430	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F475	1300	1170	1070	985	910	845	790	740	700	660	625
	3F515	1200	1080	985	905	840	780	730	685	645	610	580
	3F550	1100	990	905	830	770	715	670	630	590	560	530
	3F600	850	765	700	640	595	550	515	485	455	430	410
	3F650	650	585	535	490	455	420	395	370	350	330	310
	3F700	450	405	370	340	315	290	270	255	240	225	215
	3V360	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V405	1300	1180	1080	995	925	865	810	760	720	680	645
	3V450	1250	1135	1040	960	890	830	775	730	690	655	620
	3V490	1200	1090	995	920	855	795	745	700	665	630	595
	3V525	1100	995	915	845	780	730	685	645	605	575	545
	3V575	850	770	705	650	605	565	530	495	470	445	420
	3V633	650	590	540	495	460	430	405	380	360	340	320
	3V688	450	405	370	345	320	295	280	260	245	235	220
Cushion Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W350	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W370	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W400	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W450	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W500	1350	1215	1110	1015	940	875	815	765	720	680	645
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F330	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F350	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F370	1450	1305	1190	1090	1010	935	875	820	775	730	695
	2F400	1400	1260	1150	1055	975	905	845	795	745	705	670
	3F385	1450	1310	1195	1095	1015	945	880	830	780	740	700
	3F430	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F475	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F515	1250	1125	1030	945	875	815	760	715	670	635	605
	3F550	1100	990	905	830	770	715	670	630	590	560	530
	3F600	1000	900	820	755	700	650	610	570	535	510	480
	3F650	850	765	700	640	595	550	515	485	455	430	410
	3F700	600	540	490	450	420	390	365	340	320	305	290
	3V360	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V405	1300	1180	1080	995	925	865	810	760	720	680	645
	3V450	1300	1180	1080	995	925	865	810	760	720	680	645
	3V490	1250	1135	1040	960	890	830	775	730	690	655	620
	3V525	1100	995	915	845	780	730	685	645	605	575	545
	3V575	1000	905	830	765	710	665	620	585	550	525	495
	3V633	850	770	705	650	605	565	530	495	470	445	420
	3V688	600	545	495	460	425	395	370	350	330	315	295

TX-16 / G1N1L16Q <Side Shift - Hook On Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W350	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W370	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W400	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W450	1400	1260	1150	1055	975	905	845	795	750	710	670
	2W500	1350	1215	1110	1015	940	875	815	765	720	680	645
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F330	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F350	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F370	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F400	1450	1305	1190	1090	1010	935	875	820	775	730	695
	3F385	1450	1310	1195	1095	1015	945	880	830	780	740	700
	3F430	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F475	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F515	1250	1125	1030	945	875	815	760	715	670	635	605
	3F550	1200	1080	985	905	840	780	730	685	645	610	580
	3F600	1150	1035	945	870	805	750	700	655	620	585	555
	3F650	1050	945	865	795	735	685	640	600	565	535	505
	3F700	1000	900	820	755	700	650	610	570	535	510	480
	3V360	1450	1315	1205	1110	1030	965	900	850	800	760	720
	3V405	1400	1270	1165	1075	995	930	870	820	775	735	695
	3V450	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V490	1250	1135	1040	960	890	830	775	730	690	655	620
	3V525	1200	1090	995	920	855	795	745	700	665	630	595
	3V575	1150	1040	955	880	820	765	715	675	635	600	570
	3V633	1050	950	870	805	745	695	655	615	580	550	520
	3V688	1000	905	830	765	710	665	620	585	550	525	495
Cushion Tire	2W270	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W300	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W330	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W350	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W370	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W400	1500	1350	1230	1130	1045	970	910	850	805	760	720
	2W450	1450	1305	1190	1095	1010	940	880	825	775	735	695
	2W500	1400	1260	1150	1055	975	905	845	795	750	710	670
	2F270	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F300	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F330	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F350	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F370	1500	1350	1230	1130	1045	970	905	850	800	755	715
	2F400	1500	1350	1230	1130	1045	970	905	850	800	755	715
	3F385	1450	1310	1195	1095	1015	945	880	830	780	740	700
	3F430	1400	1265	1150	1060	980	910	850	800	755	710	675
	3F475	1350	1220	1110	1020	945	880	820	770	725	685	650
	3F515	1300	1170	1070	985	910	845	790	740	700	660	625
	3F550	1250	1125	1030	945	875	815	760	715	670	635	605
	3F600	1200	1080	985	905	840	780	730	685	645	610	580
	3F650	1150	1035	945	870	805	750	700	655	620	585	555
	3F700	1100	990	905	830	770	715	670	630	590	560	530
	3V360	1450	1315	1205	1110	1030	965	900	850	800	760	720
	3V405	1400	1270	1165	1075	995	930	870	820	775	735	695
	3V450	1350	1225	1120	1035	960	895	840	790	745	705	670
	3V490	1300	1180	1080	995	925	865	810	760	720	680	645
	3V525	1250	1135	1040	960	890	830	775	730	690	655	620
	3V575	1200	1090	995	920	855	795	745	700	665	630	595
	3V633	1150	1040	955	880	820	765	715	675	635	600	570
	3V688	1100	995	915	845	780	730	685	645	605	575	545

TX-18 / 1N1L18Q <Side Shift - Hook On Type>

Unit: kg

Load center Mast name		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W270	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2W300	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2W330	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W350	1600	1440	1315	1210	1115	1040	970	910	860	810	770
	2W370	1600	1440	1315	1210	1115	1040	970	910	860	810	770
	2W400	1550	1395	1275	1170	1080	1005	940	885	830	785	745
	2W450	1500	1350	1230	1130	1045	975	910	855	805	760	720
	2W500	1400	1260	1150	1055	975	910	850	795	750	710	675
	2F270	1750	1575	1435	1320	1220	1135	1060	995	935	885	840
	2F300	1750	1575	1435	1320	1220	1135	1060	995	935	885	840
	2F330	1600	1440	1315	1205	1115	1035	970	910	855	810	765
	2F350	1600	1440	1315	1205	1115	1035	970	910	855	810	765
	2F370	1550	1395	1270	1170	1080	1005	940	880	830	785	745
	2F400	1500	1350	1230	1130	1045	970	910	850	800	760	720
	3F385	1500	1355	1235	1135	1050	980	915	860	810	765	725
	3F430	1450	1310	1195	1100	1015	945	885	830	780	740	700
	3F475	1400	1265	1155	1060	980	915	855	800	755	715	675
	3F515	1350	1220	1110	1020	945	880	825	775	730	690	655
	3F550	1200	1085	990	910	840	780	730	685	645	610	580
	3F600	900	810	740	680	630	585	550	515	485	460	435
	3V360	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V405	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V450	1400	1270	1165	1075	1000	930	875	820	775	735	700
	3V490	1350	1225	1125	1035	960	900	840	790	750	710	675
	3V525	1200	1090	1000	920	855	800	750	705	665	630	600
	3V575	900	815	750	690	640	600	560	525	500	470	450
Cushion Tire	2W270	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2W300	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2W330	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W350	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
	2W370	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
	2W400	1600	1440	1315	1210	1115	1040	970	910	860	810	770
	2W450	1550	1395	1275	1170	1080	1005	940	885	830	785	745
	2W500	1450	1305	1190	1095	1010	940	880	825	780	735	695
	2F270	1750	1575	1435	1320	1220	1135	1060	995	935	885	840
	2F300	1750	1575	1435	1320	1220	1135	1060	995	935	885	840
	2F330	1650	1485	1355	1245	1150	1070	1000	935	885	835	790
	2F350	1650	1485	1355	1245	1150	1070	1000	935	885	835	790
	2F370	1600	1440	1315	1205	1115	1035	970	910	855	810	765
	2F400	1550	1395	1270	1170	1080	1005	940	880	830	785	745
	3F385	1600	1445	1320	1210	1120	1045	975	915	865	815	775
	3F430	1500	1355	1235	1135	1050	980	915	860	810	765	725
	3F475	1450	1310	1195	1100	1015	945	885	830	780	740	700
	3F515	1400	1265	1155	1060	980	915	855	800	755	715	675
	3F550	1350	1220	1110	1020	945	880	825	775	730	690	655
	3F600	1150	1035	945	870	805	750	700	660	620	585	555
	3V360	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V405	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V450	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V490	1400	1270	1165	1075	1000	930	875	820	775	735	700
	3V525	1350	1225	1125	1035	960	900	840	790	750	710	675
	3V575	1150	1045	955	880	820	765	715	675	635	605	575

TX-18 / G1N1L18Q <Side Shift - Hook On Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W300	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W330	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W350	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W370	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W400	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
	2W450	1550	1395	1275	1170	1080	1005	940	885	830	785	745
	2W500	1450	1305	1190	1095	1010	940	880	825	780	735	695
	2F270	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F300	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F330	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F350	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F370	1650	1485	1355	1245	1150	1070	1000	935	885	835	790
	2F400	1600	1440	1315	1205	1115	1035	970	910	855	810	765
	3F385	1600	1445	1320	1210	1120	1045	975	915	865	815	775
	3F430	1550	1400	1275	1175	1085	1010	945	890	835	790	750
	3F475	1450	1310	1195	1100	1015	945	885	830	780	740	700
	3F515	1400	1265	1155	1060	980	915	855	800	755	715	675
	3F550	1300	1175	1070	985	910	845	790	745	700	665	630
	3F600	1250	1130	1030	945	875	815	760	715	675	635	605
	3F650	1150	1035	945	870	805	750	700	660	620	585	555
	3F700	1100	990	905	830	770	715	670	630	595	560	530
	3V360	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
	3V405	1550	1405	1290	1190	1105	1030	965	910	860	815	775
	3V450	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V490	1400	1270	1165	1075	1000	930	875	820	775	735	700
	3V525	1300	1180	1080	1000	925	865	810	760	720	680	650
	3V575	1250	1135	1040	960	890	830	780	735	690	655	625
	3V633	1150	1045	955	880	820	765	715	675	635	605	575
	3V688	1100	1000	915	845	785	730	685	645	610	575	550
Cushion Tire	2W270	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W300	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W330	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W350	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W370	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W400	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
	2W450	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
	2W500	1600	1440	1315	1210	1115	1040	970	910	860	810	770
	2F270	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F300	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F330	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F350	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F370	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	2F400	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
	3F385	1650	1490	1360	1250	1155	1075	1005	945	890	840	800
	3F430	1600	1445	1320	1210	1120	1045	975	915	865	815	775
	3F475	1550	1400	1275	1175	1085	1010	945	890	835	790	750
	3F515	1500	1355	1235	1135	1050	980	915	860	810	765	725
	3F550	1450	1310	1195	1100	1015	945	885	830	780	740	700
	3F600	1400	1265	1155	1060	980	915	855	800	755	715	675
	3F650	1350	1220	1110	1020	945	880	825	775	730	690	655
	3F700	1300	1175	1070	985	910	845	790	745	700	665	630
	3V360	1650	1500	1375	1265	1175	1100	1030	970	915	865	825
	3V405	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
	3V450	1550	1405	1290	1190	1105	1030	965	910	860	815	775
	3V490	1500	1360	1250	1150	1070	1000	935	880	830	785	750
	3V525	1400	1270	1165	1075	1000	930	875	820	775	735	700
	3V575	1350	1225	1125	1035	960	900	840	790	750	710	675
	3V633	1300	1180	1080	1000	925	865	810	760	720	680	650
	3V688	1250	1135	1040	960	890	830	780	735	690	655	625

TX-20 / G1N1L20Q <Side Shift - Hook On Type>

Unit: kg

Load center		500mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Mast name												
Super Elastic Tire	2W270	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W300	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W330	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W350	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W370	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W400	1850	1670	1520	1395	1290	1200	1125	1055	995	940	890
	2W450	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2W500	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
	2F270	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F300	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F330	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F350	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F370	1850	1665	1520	1395	1290	1200	1120	1050	990	935	885
	2F400	1800	1620	1480	1355	1255	1165	1090	1025	965	910	865
	3F385	1800	1625	1485	1365	1260	1175	1100	1030	970	920	870
	3F430	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
	3F475	1650	1490	1360	1250	1155	1075	1005	945	890	840	800
	3F515	1550	1400	1275	1175	1085	1010	945	890	835	790	750
	3F550	1450	1310	1195	1100	1015	945	885	830	780	740	700
	3F600	1350	1220	1110	1020	945	880	825	775	730	690	655
	3F650	1250	1130	1030	945	875	815	760	715	675	635	605
	3F700	1100	990	905	830	770	715	670	630	595	560	530
	3V360	1750	1590	1455	1345	1250	1165	1090	1025	970	920	875
	3V405	1700	1545	1415	1305	1210	1130	1060	1000	940	890	850
	3V450	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
	3V490	1550	1405	1290	1190	1105	1030	965	910	860	815	775
	3V525	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V575	1350	1225	1125	1035	960	900	840	790	750	710	675
	3V633	1250	1135	1040	960	890	830	780	735	690	655	625
	3V688	1100	1000	915	845	785	730	685	645	610	575	550
Cushion Tire	2W270	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W300	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W330	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W350	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W370	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W400	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
	2W450	1800	1625	1480	1360	1255	1170	1095	1025	965	915	865
	2W500	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
	2F270	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F300	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F330	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F350	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F370	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
	2F400	1850	1665	1520	1395	1290	1200	1120	1050	990	935	885
	3F385	1850	1670	1525	1400	1295	1205	1130	1060	1000	945	895
	3F430	1800	1625	1485	1365	1260	1175	1100	1030	970	920	870
	3F475	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
	3F515	1700	1535	1400	1290	1190	1110	1035	975	920	870	825
	3F550	1600	1445	1320	1210	1120	1045	975	915	865	815	775
	3F600	1550	1400	1275	1175	1085	1010	945	890	835	790	750
	3F650	1500	1355	1235	1135	1050	980	915	860	810	765	725
	3F700	1400	1265	1155	1060	980	915	855	800	755	715	675
	3V360	1750	1590	1455	1345	1250	1165	1090	1025	970	920	875
	3V405	1700	1545	1415	1305	1210	1130	1060	1000	940	890	850
	3V450	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
	3V490	1550	1405	1290	1190	1105	1030	965	910	860	815	775
	3V525	1500	1360	1250	1150	1070	1000	935	880	830	785	750
	3V575	1450	1315	1205	1115	1035	965	905	850	805	760	725
	3V633	1400	1270	1165	1075	1000	930	875	820	775	735	700
	3V688	1350	1225	1125	1035	960	900	840	790	750	710	675

Loading Capacity Fork Positioner - Integral Type

TX-13 / S1N1L13Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	950	860	785	720	670	625	585	550	515	490	465
	3F 430	900	815	745	685	635	590	550	520	490	465	440
	3F 475	850	770	700	645	600	555	520	490	460	435	415
	3F 515	800	720	660	610	565	525	490	460	435	410	390
	3F 550	750	675	620	570	530	490	460	430	405	385	365
	3F 600	650	585	535	495	455	425	400	375	355	335	315
	3F 650	500	450	410	380	350	325	305	285	270	255	245
	3F 700	300	270	245	225	210	195	180	170	160	155	145
	3V 360	900	815	750	695	645	600	565	530	500	475	450
	3V 405	850	770	710	655	610	570	530	500	475	450	425
	3V 450	800	725	665	615	570	535	500	470	445	420	400
	3V 490	750	680	625	575	535	500	470	440	420	395	375
	3V 525	700	635	585	540	500	465	440	410	390	370	350
	3V 575	650	590	540	500	465	435	405	385	360	345	325
	3V 633	500	455	415	385	355	335	310	295	280	265	250
	3V 688	300	270	250	230	215	200	185	175	165	155	150

TX-15 / S1N1L15Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1200	1085	990	915	845	790	735	695	655	620	585
	3F 430	1150	1040	950	875	810	755	705	665	625	590	560
	3F 475	1100	995	910	835	775	720	675	635	600	565	535
	3F 515	1000	905	825	760	705	655	615	575	545	515	490
	3F 550	950	860	785	720	670	625	585	550	515	490	465
	3F 600	750	675	620	570	530	490	460	430	405	385	365
	3F 650	650	585	535	495	455	425	400	375	355	335	315
	3F 700	450	405	370	340	315	295	275	260	245	230	220
	3V 360	1150	1045	960	885	825	770	720	680	640	610	580
	3V 405	1100	1000	915	845	785	735	690	650	615	580	555
	3V 450	1050	955	875	810	750	700	660	620	585	555	525
	3V 490	1000	910	835	770	715	670	625	590	560	530	500
	3V 525	900	815	750	695	645	600	565	530	500	475	450
	3V 575	750	680	625	575	535	500	470	440	420	395	375
	3V 633	650	590	540	500	465	435	405	385	360	345	325
	3V 688	450	405	375	345	320	300	280	265	250	235	225

TX-15 / 1N1L15Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1200	1085	990	915	845	790	735	695	655	620	585
	3F 430	1150	1040	950	875	810	755	705	665	625	590	560
	3F 475	1100	995	910	835	775	720	675	635	600	565	535
	3F 515	1000	905	825	760	705	655	615	575	545	515	490
	3F 550	950	860	785	720	670	625	585	550	515	490	465
	3F 600	750	675	620	570	530	490	460	430	405	385	365
	3F 650	650	585	535	495	455	425	400	375	355	335	315
	3F 700	450	405	370	340	315	295	275	260	245	230	220
	3V 360	1150	1045	960	885	825	770	720	680	640	610	580
	3V 405	1100	1000	915	845	785	735	690	650	615	580	555
	3V 450	1050	955	875	810	750	700	660	620	585	555	525
	3V 490	1000	910	835	770	715	670	625	590	560	530	500
	3V 525	900	815	750	695	645	600	565	530	500	475	450
	3V 575	750	680	625	575	535	500	470	440	420	395	375
	3V 633	650	590	540	500	465	435	405	385	360	345	325
	3V 688	450	405	375	345	320	300	280	265	250	235	225

TX-16 / G1N1L16Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1300	1175	1075	990	915	855	800	750	710	670	635
	3F 430	1250	1130	1035	950	880	820	770	720	680	645	610
	3F 475	1200	1085	990	915	845	790	735	695	655	620	585
	3F 515	1100	995	910	835	775	720	675	635	600	565	535
	3F 550	1050	950	865	800	740	690	645	605	570	540	515
	3F 600	1000	905	825	760	705	655	615	575	545	515	490
	3F 650	900	815	745	685	635	590	550	520	490	465	440
	3F 700	800	720	660	610	565	525	490	460	435	410	390
	3V 360	1250	1135	1040	965	895	835	785	740	700	660	630
	3V 405	1200	1090	1000	925	860	805	755	710	670	635	605
	3V 450	1150	1045	960	885	825	770	720	680	640	610	580
	3V 490	1100	1000	915	845	785	735	690	650	615	580	555
	3V 525	1050	955	875	810	750	700	660	620	585	555	525
	3V 575	1000	910	835	770	715	670	625	590	560	530	500
	3V 633	900	815	750	695	645	600	565	530	500	475	450
	3V 688	800	725	665	615	570	535	500	470	445	420	400

TX-18 / 1N1L18Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1350	1220	1115	1030	955	890	830	780	735	695	660
	3F 430	1300	1175	1075	990	920	855	800	750	710	670	635
	3F 475	1250	1130	1035	950	880	820	770	725	680	645	615
	3F 515	1200	1085	990	915	845	790	740	695	655	620	590
	3F 550	1100	995	910	835	775	725	675	635	600	570	540
	3F 600	900	815	745	685	635	590	555	520	490	465	440
	3V 360	1300	1180	1085	1005	930	870	815	770	725	690	655
	3V 405	1250	1135	1045	965	895	835	785	740	700	665	630
	3V 450	1200	1090	1000	925	860	805	755	710	670	635	605
	3V 490	1150	1045	960	885	825	770	725	680	645	610	580
	3V 525	1050	955	875	810	755	705	660	620	585	555	530
	3V 575	900	815	750	695	645	600	565	530	505	475	455

TX-18 / G1N1L18Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1400	1265	1160	1065	990	920	860	810	765	725	685
	3F 430	1350	1220	1115	1030	955	890	830	780	735	695	660
	3F 475	1300	1175	1075	990	920	855	800	750	710	670	635
	3F 515	1250	1130	1035	950	880	820	770	725	680	645	615
	3F 550	1150	1040	950	875	810	755	710	665	625	595	565
	3F 600	1100	995	910	835	775	725	675	635	600	570	540
	3F 650	1000	905	825	760	705	655	615	580	545	515	490
	3F 700	900	815	745	685	635	590	555	520	490	465	440
	3V 360	1350	1225	1125	1040	970	905	850	800	755	715	680
	3V 405	1300	1180	1085	1005	930	870	815	770	725	690	655
	3V 450	1250	1135	1045	965	895	835	785	740	700	665	630
	3V 490	1200	1090	1000	925	860	805	755	710	670	635	605
	3V 525	1100	1000	920	850	790	735	690	650	615	585	555
	3V 575	1050	955	875	810	755	705	660	620	585	555	530
	3V 633	1000	910	835	770	715	670	630	590	560	530	505
	3V 688	900	815	750	695	645	600	565	530	505	475	455

TX-20 / G1N1L20Q <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1550	1405	1280	1180	1095	1020	955	895	845	800	760
	3F 430	1500	1355	1240	1145	1060	985	925	870	820	775	735
	3F 475	1400	1265	1160	1065	990	920	860	810	765	725	685
	3F 515	1350	1220	1115	1030	955	890	830	780	735	695	660
	3F 550	1300	1175	1075	990	920	855	800	750	710	670	635
	3F 600	1200	1085	990	915	845	790	740	695	655	620	590
	3F 650	1100	995	910	835	775	725	675	635	600	570	540
	3F 700	900	815	745	685	635	590	555	520	490	465	440
	3V 360	1500	1365	1250	1160	1075	1005	945	890	840	795	755
	3V 405	1450	1320	1210	1120	1040	970	910	860	810	770	730
	3V 450	1350	1225	1125	1040	970	905	850	800	755	715	680
	3V 490	1300	1180	1085	1005	930	870	815	770	725	690	655
	3V 525	1250	1135	1045	965	895	835	785	740	700	665	630
	3V 575	1150	1045	960	885	825	770	725	680	645	610	580
	3V 633	1100	1000	920	850	790	735	690	650	615	585	555
	3V 688	900	815	750	695	645	600	565	530	505	475	455

Truck Weight (Less Battery)

■ Standard Fork

Unit: kg

Mast type	Mast name	TX-13		TX-15		TX-15		TX-18		TX-16		TX-18		TX-20			
		S1N1				1N1				G1N1							
		Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion
Two stage (Wide view 2W)	2W 270	2165	2190	2355	2380	2185	2215	2390	2410	2110	2135	2145	2140	2255	2250		
	2W 300	2180	2210	2370	2400	2205	2230	2410	2430	2130	2155	2160	2160	2270	2270		
	2W 330	2200	2230	2390	2420	2225	2250	2430	2450	2150	2175	2180	2180	2290	2290		
	2W 350	2220	2250	2410	2440	2240	2270	2445	2470	2170	2190	2200	2200	2310	2310		
	2W 370	2255	2280	2445	2470	2275	2305	2480	2500	2205	2225	2235	2235	2345	2345		
	2W 400	2280	2310	2470	2500	2300	2330	2505	2530	2230	2250	2260	2260	2370	2370		
	2W 450	2315	2340	2505	2530	2335	2365	2540	2560	2260	2285	2295	2290	2405	2400		
Two stage (Full free 2F)	2W 500	2345	2375	2535	2565	2370	2395	2575	2595	2295	2315	2325	2325	2435	2435		
	2F 270	2175	2205	2365	2395	2200	2225	2405	2425	2125	2145	2155	2155	2265	2265		
	2F 300	2195	2225	2385	2415	2220	2245	2425	2445	2145	2170	2175	2175	2285	2285		
	2F 330	2215	2245	2405	2435	2240	2265	2445	2465	2165	2190	2195	2195	2305	2305		
	2F 350	2235	2265	2425	2455	2260	2285	2465	2485	2185	2205	2215	2215	2325	2325		
	2F 370	2270	2295	2460	2485	2290	2320	2495	2515	2220	2240	2250	2250	2360	2360		
	2F 400	2295	2325	2485	2515	2320	2345	2525	2545	2245	2265	2275	2275	2385	2385		
Three stage (Full free 3F)	3F 385	2345	2370	2535	2560	2365	2395	2570	2590	2290	2315	2325	2320	2435	2430		
	3F 430	2375	2400	2565	2590	2395	2425	2600	2620	2325	2345	2355	2355	2465	2465		
	3F 475	2405	2430	2595	2620	2425	2455	2630	2650	2355	2375	2385	2385	2495	2495		
	3F 515	2430	2460	2620	2650	2455	2480	2660	2680	2380	2400	2410	2410	2520	2520		
	3F 550	2485	2515	2675	2705	2510	2535	2715	2735	2435	2455	2465	2465	2575	2575		
	3F 600	2525	2550	2715	2740	2545	2575	2750	2770	2475	2495	2505	2505	2615	2615		
	3F 650	2575	2600	2765	2790	2595	2625	—	—	2520	2545	2555	2550	2665	2660		
Three stage (Opti view 3V)	3F 700	2620	2650	2810	2840	2645	2670	—	—	2570	2595	2600	2600	2710	2710		
	3V 360	2340	2370	2530	2560	2360	2390	2565	2590	2290	2310	2320	2320	2430	2430		
	3V 405	2370	2395	2560	2585	2390	2420	2595	2615	2320	2340	2350	2350	2460	2460		
	3V 450	2400	2425	2590	2615	2420	2450	2625	2645	2350	2370	2380	2380	2490	2490		
	3V 490	2425	2455	2615	2645	2445	2475	2650	2675	2375	2395	2405	2405	2515	2515		
	3V 525	2485	2515	2675	2705	2510	2535	2710	2735	2435	2455	2465	2465	2575	2575		
	3V 575	2525	2550	2715	2740	2545	2575	2750	2770	2475	2495	2505	2505	2615	2615		
Service Weight (without mast)	3V 633	2575	2600	2765	2790	2595	2625	—	—	2520	2545	2550	2550	2660	2660		
	3V 688	2620	2650	2810	2840	2645	2670	—	—	2570	2595	2600	2600	2710	2710		

■ Side Shift - Integral Type

Unit: kg

		TX-13		TX-15		TX-15		TX-18		TX-16		TX-18		TX-20	
		S1N1				1N1				G1N1					
		Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion
Two stage (Wide view 2W)	2W 270	2205	2235	2395	2425	2225	2255	2430	2455	2155	2175	2185	2185	2295	2295
	2W 300	2225	2250	2415	2440	2245	2275	2450	2470	2175	2195	2205	2205	2315	2315
	2W 330	2245	2270	2435	2460	2265	2295	2470	2490	2195	2215	2225	2225	2335	2335
	2W 350	2260	2290	2450	2480	2285	2310	2490	2510	2210	2235	2240	2240	2350	2350
	2W 370	2295	2325	2485	2515	2320	2345	2525	2545	2245	2265	2275	2275	2385	2385
	2W 400	2320	2350	2510	2540	2345	2370	2550	2570	2270	2290	2300	2300	2410	2410
	2W 450	2355	2380	2545	2570	2375	2405	2580	2600	2305	2325	2335	2335	2445	2445
Two stage (Full free 2F)	2W 500	2385	2415	2575	2605	2410	2435	2615	2635	2335	2360	2365	2365	2475	2475
	2F 270	2215	2245	2405	2435	2240	2265	2445	2465	2165	2185	2195	2195	2305	2305
	2F 300	2235	2265	2425	2455	2260	2285	2465	2485	2185	2210	2215	2215	2325	2325
	2F 330	2255	2285	2445	2475	2280	2305	2485	2505	2205	2230	2235	2235	2345	2345
	2F 350	2275	2305	2465	2495	2300	2325	2505	2525	2225	2245	2255	2255	2365	2365
	2F 370	2310	2335	2500	2525	2330	2360	2535	2555	2260	2280	2290	2290	2400	2400
	2F 400	2335	2365	2525	2555	2355	2385	2560	2585	2285	2305	2315	2315	2425	2425
Three stage (Full free 3F)	3F 385	2385	2415	2575	2605	2405	2435	2610	2635	2335	2355	2365	2365	2475	2475
	3F 430	2415	2445	2605	2635	2435	2465	2640	2665	2365	2385	2395	2395	2505	2505
	3F 475	2445	2475	2635	2665	2470	2495	2675	2695	2395	2415	2425	2425	2535	2535
	3F 515	2470	2500	2660	2690	2495	2520	2700	2720	2420	2445	2450	2450	2560	2560
	3F 550	2525	2555	2715	2745	2550	2575	2755	2775	2475	2500	2505	2505	2615	2615
	3F 600	2565	2595	2755	2785	2590	2615	2795	2815	2515	2535	2545	2545	2655	2655
	3F 650	2615	2645	2805	2835	2635	2665	—	—	2565	2585	2595	2595	2705	2705
Three stage (Opti view 3V)	3F 700	2665	2690	2855	2880	2685	2715	—	—	2610	2635	2645	2640	2755	2750
	3V 360	2390	2415	2580	2605	2410	2440	2615	2635	2335	2360	2370	2365	2480	2475
	3V 405	2415	2445	2605	2635	2440	2465	2645	2665	2365	2390	2395	2395	2505	2505
	3V 450	2450	2475	2640	2665	2470	2500	2675	2695	2395	2420	2425	2425	2535	2535
	3V 490	2475	2500	2665	2690	2495	2525	2700	2720	2420	2445	2455	2450	2565	2560
	3V 525	2535	2560	2725	2750	2555	2585	2760	2780	2485	2505	2515	2515	2625	2625
	3V 575	2570	2600	2760	2790	2595	2620	2800	2820	2520	2545	2550	2550	2660	2660
Service Weight (without mast)	3V 633	2620	2650	2810	2840	2645	2670	—	—	2570	2590	2600	2600	2710	2710
	3V 688	2670	2700	2860	2890	2690	2720	—	—	2620	2640	2650	2650	2760	2760

■ Side Shift - Hook On Type

Unit: kg

Mast type	Mast name	TX-13		TX-15		TX-15		TX-18		TX-16		TX-18		TX-20	
		S1N1				1N1				G1N1					
		Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion	Super Elastic	Cushion
Two stage (Wide view 2W)	2W 270	2220	2245	2410	2435	2240	2270	2445	2465	2165	2190	2200	2195	2310	2305
	2W 300	2240	2265	2430	2455	2260	2290	2465	2485	2185	2210	2220	2215	2330	2325
	2W 330	2260	2285	2450	2475	2280	2310	2485	2505	2205	2230	2240	2235	2350	2345
	2W 350	2275	2305	2465	2495	2295	2325	2500	2525	2225	2245	2255	2255	2365	2365
	2W 370	2310	2340	2500	2530	2330	2360	2535	2560	2260	2280	2290	2290	2400	2400
	2W 400	2335	2365	2525	2555	2355	2385	2560	2585	2285	2305	2315	2315	2425	2425
	2W 450	2370	2395	2560	2585	2390	2420	2595	2615	2315	2340	2350	2345	2460	2455
	2W 500	2400	2430	2590	2620	2425	2450	2630	2650	2350	2370	2380	2380	2490	2490
Two stage (Full free 2F)	2F 270	2230	2260	2420	2450	2255	2280	2460	2480	2180	2200	2210	2210	2320	2320
	2F 300	2250	2280	2440	2470	2275	2300	2480	2500	2200	2225	2230	2230	2340	2340
	2F 330	2270	2300	2460	2490	2295	2320	2500	2520	2220	2245	2250	2250	2360	2360
	2F 350	2290	2320	2480	2510	2315	2340	2520	2540	2240	2260	2270	2270	2380	2380
	2F 370	2325	2350	2515	2540	2345	2375	2550	2570	2275	2295	2305	2305	2415	2415
	2F 400	2350	2380	2540	2570	2375	2400	2580	2600	2300	2320	2330	2330	2440	2440
Three stage (Full free 3F)	3F 385	2405	2430	2595	2620	2425	2455	2630	2650	2355	2375	2385	2385	2495	2495
	3F 430	2435	2460	2625	2650	2455	2485	2660	2680	2385	2405	2415	2415	2525	2525
	3F 475	2465	2495	2655	2685	2485	2515	2690	2715	2415	2435	2445	2445	2555	2555
	3F 515	2490	2520	2680	2710	2515	2540	2720	2740	2440	2460	2470	2470	2580	2580
	3F 550	2545	2575	2735	2765	2570	2595	2775	2795	2495	2515	2525	2525	2635	2635
	3F 600	2585	2615	2775	2805	2605	2635	2810	2835	2535	2555	2565	2565	2675	2675
	3F 650	2635	2660	2825	2850	2655	2685	—	—	2580	2605	2615	2610	2725	2720
	3F 700	2680	2710	2870	2900	2705	2730	—	—	2630	2655	2660	2660	2770	2770
Three stage (Opti view 3V)	3V 360	2400	2425	2590	2615	2420	2450	2625	2645	2350	2370	2380	2380	2490	2490
	3V 405	2430	2455	2620	2645	2450	2480	2655	2675	2375	2400	2410	2410	2520	2520
	3V 450	2460	2485	2650	2675	2480	2510	2685	2705	2410	2430	2440	2440	2550	2550
	3V 490	2485	2515	2675	2705	2505	2535	2710	2735	2435	2455	2465	2465	2575	2575
	3V 525	2545	2575	2735	2765	2570	2595	2770	2795	2495	2515	2525	2525	2635	2635
	3V 575	2585	2610	2775	2800	2605	2635	2810	2830	2530	2555	2565	2560	2675	2670
	3V 633	2630	2660	2820	2850	2655	2680	—	—	2580	2605	2610	2610	2720	2720
	3V 688	2680	2710	2870	2900	2705	2730	—	—	2630	2650	2660	2660	2770	2770
Service Weight (without mast)		1660	1685	1850	1875	1680	1710	1880	1900	1610	1630	1630	1630	1740	1740

Additional Truck Weight

■ Backrest

Unit: kg

Model	TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
	S1N1		1N1		G1N1		
Less	-25	-25	-25	-25	-25	-25	-25
Standard	0	0	0	0	0	0	0
High	+10	+10	+10	+10	+10	+10	+10

■ Forks

Unit: kg

Model		TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
		S1N1		1N1		G1N1		
Forks	Less forks	-80	-80	-80	-90	-80	-90	-90
	900 (35.4)	0	0	0	0	0	0	0
	1000 (39.4)	+5	+5	+5	+5	+5	+5	+5
	1100 (43.3)	+10	+10	+10	+10	+10	+10	+10
	1200 (47.2)	+20	+20	+20	+20	+20	+20	+20
	1300 (51.2)	+25	+25	+25	+25	+25	+25	+25

Supplement Data

Item					Model	TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
						S1N1		1N1		G1N1		
						1.25t	1.5t	1.5t	1.75t	1.6t	1.8t	2.0t
DIMENSIONS	Or	Rear overhang			mm	225	225	225	225	225	225	225
	Tf	Front tread	Pneumatic solid		mm	913	913	913	913	933	930	930
			Cushion		mm	930	930	930	930	930	930	930
	As	Right angle stacking aisle width		mm	1785	1785	1890	1895	1995	2005	2005	
	Ai	Right angle intersecting aisle width		mm	1635	1635	1685	1685	1735	1735	1735	
	Hf	Floor height		mm	545	545	545	545	545	545	545	
	Hh	Head room		mm	1127	1127	1127	1127	1127	1127	1127	
	Hc	Counterweight height		mm	906	906	906	906	906	906	906	
	Sw	Max. fork spread		mm	910	910	910	910	910	910	910	
	Sn	Min. fork spread		mm	205	205	205	205	205	205	205	
	Gf	Ground clearance	Under frame	mm	100	100	100	100	100	100	100	
	θ r	Ramp breakover angle		tan θ %	35	35	32	32	29	29	29	
	θ d	Departure angle		tan θ %	65	65	65	65	65	65	65	
θ a	Approach angle		tan θ %	27	27	27	27	27	27	27		
PERFORMANCE	Lifting speed	2W Mast	full load	mm/sec	330	300	300	270	400	370	350	
			no load	mm/sec	500	500	500	500	600	600	600	
		2F Mast	full load	mm/sec	310	290	290	270	390	370	350	
			no load	mm/sec	445	445	445	445	520	520	520	
		3F Mast	full load	mm/sec	310	290	290	270	390	370	350	
			no load	mm/sec	445	445	445	445	520	520	520	
		3V Mast	full load	mm/sec	300	270	270	245	360	340	330	
			no load	mm/sec	420	420	420	420	500	500	500	
	Lowering speed	2W Mast	full load	mm/sec	500	500	500	500	500	500	500	
			no load	mm/sec	550	550	550	550	550	550	550	
		full load	full load	mm/sec	480	480	480	480	480	480	480	
			no load	mm/sec	310	310	310	310	310	310	310	
		3F Mast	full load	mm/sec	480	480	480	480	480	480	480	
			no load	mm/sec	370	370	370	370	370	370	370	
		3V Mast	full load	mm/sec	480	480	480	480	480	480	480	
			no load	mm/sec	370	370	370	370	370	370	370	
	Travel speed	reverse	full load	km/h	13.5	13.5	13.5	13.5	15	15	15	
			no load	km/h	13.5	13.5	13.5	13.5	16	16	16	
Drawbar pull		full load	N	10500	10500	10500	10500	10500	10500	10500		
		no load	N	10500	10500	10500	10500	10500	10500	10500		
Front Tire size		Pneumatic solid		18x7-8	18x7-8	18x7-8	18x7-8	18x7-8	200/50-10	200/50-10		
		Cushion		18 X 7 X 12-1/8	18 X 7 X 12-1/8	18 X 7 X 12-1/8	18 X 7 X 12-1/8	18 X 7 X 12-1/8	18 X 7 X 12-1/8	18 X 7 X 12-1/8		
WEIGHT	Truck weight (without battery)		Service weight	kg	2180	2370	2205	2410	2130	2160	2270	
	Weight distribution *1	no load	front axle	kg	1360	1405	1440	1450	1560	1655	1645	
			rear axle	kg	1340	1615	1440	1635	1470	1555	1675	
		full load	front axle	kg	3515	3995	3940	4375	4145	4570	4885	
			rear axle	kg	435	525	440	460	485	440	435	
	MOTOR	Traction motor		Type		Open-self ventilated AC induction motor						
Traction motor performance, 60 minute rating		Output	kW	5.0 x 2	5.0 x 2	5.0 x 2	5.0 x 2	5.0 x 2	5.0 x 2	5.0 x 2		
Hoist pump motor		Control type		Micro-computer MOS-FET inverter control								
Lift motor performance 20% rating		Type		Open-self ventilated AC induction motor								
		Output	kW	8.0	8.0	8.0	8.0	11.0	11.0	11.0		
VOLTAGE				V	48	48	48	48	48	48	48	

Right Angle Stacking Aisle

2W MAST

Model		TX-13		TX-15		TX-15		TX-18		TX-15		TX-18		TX-20								
		S1N1						1N1						G1N1								
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1.420	1.420	1.420	1.420	1.420	1.420	1.525	1.525	1.525	1.525	1.525	1.525	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.490	1.310	1.615	1.490	1.310	1.615	1.490	1.310	1.615	1.495	1.315	1.620	1.490	1.310	1.615	1.495	1.315	1.620	1.495	1.315	1.620
Ast	=Wa + R + a [m] (m)	3.110	2.930	3.235	3.110	2.930	3.235	3.215	3.035	3.340	3.220	3.040	3.345	3.325	3.145	3.450	3.330	3.150	3.455	3.330	3.150	3.455

2F MAST

Model		TX-13		TX-15		TX-15		TX-18		TX-15		TX-18		TX-20								
		S1N1						1N1						G1N1								
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1.420	1.420	1.420	1.420	1.420	1.420	1.525	1.525	1.525	1.525	1.525	1.525	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.485	1.305	1.610	1.485	1.305	1.610	1.485	1.305	1.610	1.490	1.310	1.615	1.485	1.305	1.610	1.490	1.310	1.615	1.490	1.310	1.615
Ast	=Wa + R + a [m] (m)	3.105	2.925	3.230	3.105	2.925	3.230	3.210	3.030	3.335	3.215	3.035	3.340	3.320	3.140	3.445	3.325	3.145	3.450	3.325	3.145	3.450

3F MAST

Model		TX-13		TX-15		TX-15		TX-18		TX-15		TX-18		TX-20								
		S1N1						1N1						G1N1								
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1.420	1.420	1.420	1.420	1.420	1.420	1.525	1.525	1.525	1.525	1.525	1.525	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.505	1.325	1.630	1.505	1.325	1.630	1.505	1.325	1.630	1.510	1.330	1.635	1.505	1.325	1.630	1.510	1.330	1.635	1.510	1.330	1.635
Ast	=Wa + R + a [m] (m)	3.125	2.945	3.250	3.125	2.945	3.250	3.230	3.050	3.355	3.235	3.055	3.360	3.340	3.160	3.465	3.345	3.165	3.470	3.345	3.165	3.470

3V MAST

Model		TX-13		TX-15		TX-15		TX-18		TX-15		TX-18		TX-20								
		S1N1						1N1						G1N1								
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1.420	1.420	1.420	1.420	1.420	1.420	1.525	1.525	1.525	1.525	1.525	1.525	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635	1.635
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.555	1.375	1.685	1.555	1.375	1.685	1.555	1.375	1.685	1.560	1.380	1.690	1.555	1.375	1.685	1.560	1.380	1.690	1.560	1.380	1.690
Ast	=Wa + R + a [m] (m)	3.175	2.995	3.305	3.175	2.995	3.305	3.280	3.100	3.410	3.285	3.105	3.415	3.390	3.210	3.520	3.395	3.215	3.525	3.395	3.215	3.525

*Each unit is indicated within ().

Option Availability

			●...Standard ○...Option						
			TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
			S1N1	1N1		G1N1			
Mast	Mast type	Two stage wide view (2W)	●	●	●	●	●	●	●
		Two stage full free (2F)	○	○	○	○	○	○	○
		Three stage full free (3F)	○	○	○	○	○	○	○
		Three stage opti view (3V)	○	○	○	○	○	○	○
	Side Shifter	Mast protector	-	-	-	-	-	-	-
		Integral Side Shift	○	○	○	○	○	○	○
Fork		Hook-on Side Shift	○	○	○	○	○	○	○
		Long fork	○	○	○	○	○	○	○
Carriage & backrest		Standard backrest	●	●	●	●	●	●	●
		High backrest	○	○	○	○	○	○	○
		Less backrest	○	○	○	○	○	○	○
Hydraulic control	Control system	Mechanical control	●	●	●	●	●	●	●
		Electric proportional control	○	○	○	○	○	○	○
	Spool no.	3-spool	●	●	●	●	●	●	●
		4-spool	○	○	○	○	○	○	○
	Lever arrangement	Twin control lever	●	●	●	●	●	●	●
		Single control lever	○ *1	○ *1	○ *1	○ *1	○ *1	○ *1	○ *1
	Piping to CRG	3-spool piping	○	○	○	○	○	○	○
4-spool piping		○	○	○	○	○	○	○	
Brake system	Service brake	Electrical	Neutral brake	●	●	●	●	●	●
			Switch back brake	●	●	●	●	●	●
		Foot brake	●	●	●	●	●	●	●
		Hydraulic	Wet Disc type	●	●	●	●	●	●
Parking brake	With warning	●	●	●	●	●	●	●	
Steering system		Fully hydraulic power steering	●	●	●	●	●	●	●
		Small diameter steering wheel	●	●	●	●	●	●	●
		High position steering wheel	○	○	○	○	○	○	○
		Tilting steering	●	●	●	●	●	●	●
		Knob position control system	○	○	○	○	○	○	○
Light & alarm	Light	Head light	●	●	●	●	●	●	●
		Turn signal light	●	●	●	●	●	●	●
		Rear combination light	●	●	●	●	●	●	●
		Back operation light	○	○	○	○	○	○	○
		Flash light	○	○	○	○	○	○	○
	Alarm	Back-up buzzer	●	●	●	●	●	●	●
		Warning buzzer	●	●	●	●	●	●	●
Instruments		Battery capacity meter	●	●	●	●	●	●	●
		Speed / rear wheel angle indicator	●	●	●	●	●	●	●
		Hour meter (2-mode)	●	●	●	●	●	●	●
		Time & day of week	●	●	●	●	●	●	●
		Brake warnig	●	●	●	●	●	●	●
		Seat belt warning	●	●	●	●	●	●	●
		Selected power mode	●	●	●	●	●	●	●
Tire		Super Elastic	●	●	●	●	●	●	●
		Super Elastic (Non-marking)	○	○	○	○	○	○	○
		Cushion	○	○	○	○	○ *4	○ *4	○ *4
Control system	Drive control	AC inverter motor control	●	●	●	●	●	●	●
		3-mode regenerative brake	●	●	●	●	●	●	●
		Acceleration "Fuzzy" control	●	●	●	●	●	●	●
	Loading control	AC inverter motor control	●	●	●	●	●	●	●
		Finger-tip control	○	○	○	○	○	○	○
		Pump cut	●	●	●	●	●	●	●
		Inhibitor system	●	●	●	●	●	●	●
		Power mode change	●	●	●	●	●	●	●
		Secret Code access	○ *2	○ *2	○ *2	○ *2	○ *2	○ *2	○ *2
		Trouble diagnosis	●	●	●	●	●	●	●
Performance	Drive & Loading	Self-check system	●	●	●	●	●	●	●
		High performance	-	-	○	○	●	●	●
Battery		Less battery	●	●	●	●	●	●	●
		Battery case	○	○	○	○	○	○	○
Cold strage		-35°C	○	○	○	○	○	○	○
Body		Rain guard (Plastic type)	○	○	○	○	○	○	○
		Rear view mirror	●	●	●	●	●	●	●
		Room mirror	○ *3	○ *3	○ *3	○ *3	○ *3	○ *3	○ *3
		High overhead guard	●	●	●	●	●	●	●
		Low overhead guard	○	○	○	○	○	○	○
		Steel Cabin	○	○	○	○	○	○	○
Seat		Reclining+ Suspension (Vinyl)	●	●	●	●	●	●	●
		Reclining+ Suspension (Cloth)	○	○	○	○	○	○	○
Tool		With tool kit	○	○	○	○	○	○	○
		Less	●	●	●	●	●	●	●

*1 : "Finger-tip control" only.

*2 : To be activated by DB locally.

*3 : Combined with "Steel Cabin" only.

*4 : For FR tire

Fork Availability

●...Standard ○...Option

Model		TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
Length (mm)		S1N1		1N1		G1N1		
Fork	Less forks	○	○	○	○	○	○	○
	900	●	●	●	●	●	●	●
	1000	○	○	○	○	○	○	○
	1100	○	○	○	○	○	○	○
	1200	○	○	○	○	○	○	○
	1300	○	○	○	○	○	○	○

Fork Dimensions

	Width [W] x Thickness [T] mm	
	TX 13-16	TX 18-20
All length	100 x 35	100 x 40

Carriage & Backrest Dimensions

■ CARRIAGE

Unit: mm

Model		TX 13-20
Class		Class II
Number of rollers (not include side rollers)		6
Carriage Width [W] mm	Standard	920
	Wide	–
Max. Fork Spread mm	Standard	910
	Wide	–

■ BACKREST

Model		TX 13-16	TX 18-20
Backrest height [H] mm	Standard	910	905
	High backrest	1225	1220
	Wide backrest	–	–
Backrest width [W] mm	Standard & High backrest	945	
	Wide backrest	–	–
Plate Thickness [T] mm		12	

Tire Size

●...Standard ○...Option

Tire			Model	TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
			S1N1			1N1		G1N1		
Front	Single	Tire size (Super Elastic)		18 x 7-8		18 x 7-8		18 x 7-8	200/50-10	
		Rim size (Super Elastic)		4.33R-8		4.33R-8		4.33R-8	6.50F-10	
		Tire size (Cushion)		18 x 7 x 12-1/8		18 x 7 x 12-1/8		18 x 7 x 12-1/8		
		Type	Super Elastic	●	●	●	●	●	●	●
			Clean (White)	○	○	○	○	○	○	○
			Cushion	○	○	○	○	-	-	-
Rear	-	Tire size (Super Elastic)		15 x 4.5-8		15 x 4.5-8	140/55-9	140/55-9		
		Rim size (Super Elastic)		3.00D-8		3.00D-8	4.00E-9	4.00E-9		
		Tire size (Cushion)		15 x 5 x 11-1/4		15 x 5 x 11-1/4		-		
		Type	Pneumatic Solid	●	●	●	●	●	●	●
			Clean (White)	○	○	○	○	○	○	○
			Cushion	○	○	○	○	-	-	-

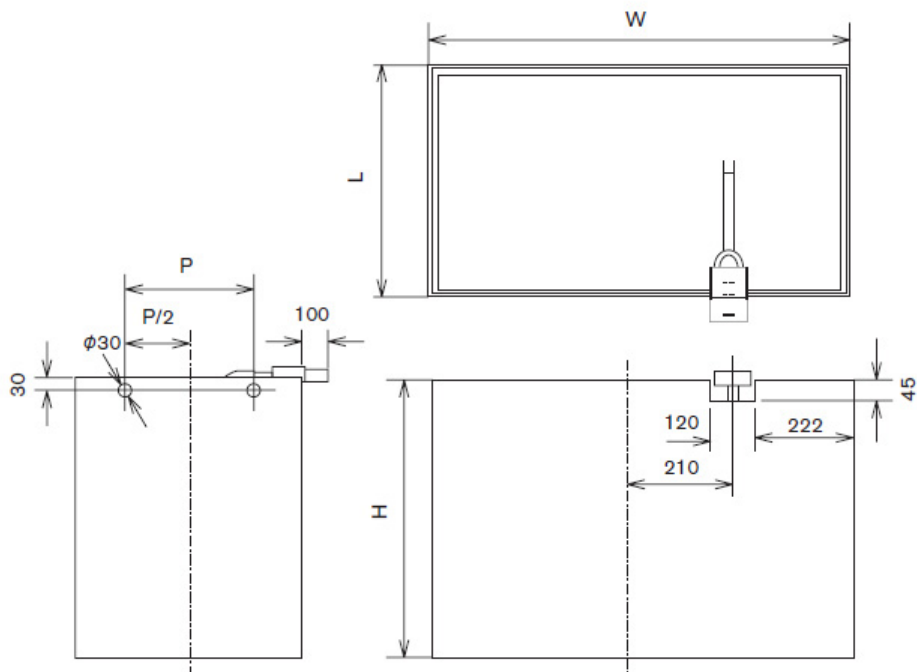
Tool Options

●...Standard ○...Option

			TX
Tool set	Wrench	8 x 10	●
		12 x 14	●
		13 x 17	●
	Screwdrivers		●
	Wheel nut wrench		●
	Thermometer		●
	Gravi-meter		●
	Puller		-
	Tool bag		●
	Jack		-

Recommended Battery Case

				TX-13	TX-15	TX-15	TX-18	TX-16	TX-18	TX-20
				S1N1		1N1		G1N1		
Dimension of battery compartment		Width	mm	995		995		995		
		Length	mm	425		530		640		
		Height	mm	655		655		655		
Recommended battery case	Width	W	mm	985		985		985		
	Length	L	mm	417		522		632		
	Height	H	mm	645		645		645		
	Hook hole pitch	P	mm	230		300		350		
Effective battery weight		Min.	kg	520	650	675	675	900	1050	
		Max.		765	765	900	900	1150	1150	
Battery connector type			CE area	Anderson SBE 320 (BLUE)						
			GOM area	Anderson SB 350 (GRAY)						
Optional battery	Truck voltage		V	48		48		48		
	Number of cell		PCS	24		24		24		
	Capacity		AH/5h	375	430	460	625	750		
	Weight	Cells	kg	475	575	625	810	980		
		Battey case	kg	75		85		120		
	Total		kg	550	650	710		930	1100	



Unit Specification

			TX-13 TX-15	TX-15 TX-18	TX-16 TX-18 TX-20
			S1N1	1N1	G1N1
CONTROLLER	Traction	Control	Micro-computer MOS-FET inverter control		
		By-pass control	-		
		Field weakening system	-		
	Hoist	Control	Micro-computer MOS-FET inverter control		
		Pump cut unit	(On board)		
TRACTION MOTOR	Type		Open-self ventilated AC introduction motor		
	Rated output kW / 1h		5.0-48V		
HOIST PUMP MOTOR	Type		Open-self ventilated AC introduction motor		
	Rated output kW / 5 min.		8.0-48V		11.0-48V
PS MOTOR	Type		-		
	Rated output W / 1h		-		
	PS Control		-		
STEERING SYSTEM	Type		Fully hydraulic power steering		
	Steering wheel		Tilting type		
DRIVE AXLE	Type		Half floating		
	Reduction gear type		Planetary		
STEERING AXLE	Type		Pivot type		
	Rotation structure		Rack & pinion		
BRAKE SYSTEM	Service brake		Hydraulic, Wet disk in Drive unit		
	Parking brake		Dead point lock type		
	Lining material		Non-asbestos		
FRAME & BODY	Frame structure		Integral, All welded frame		
	Overhead guard		Strength conform to ISO, ANSI standard		
HYDRAULIC SYSTEM	Hydraulic oil pump		Single Zero-backrush type 20 (cc/rev)		Single Zero-backrush type 24 (cc/rev)
	Control valve		Sectional type with main relief valve, tilt lock valve and lift down lock solenoid		
	Main relief valve set pressure		16.7 Mpa		
	Lift cylinder		Piston type without return hose-2W, 3F, 3V mast Ram type-2F mast		
	Suction filter		150-mesh wire netting		
	Micron filter		20-micron paper type (Cartridge type)		
	Hydraulic Tank capacity		15 liter		
LOADING SYSTEM	Mast		All roller mast, Grease sealed roller bearing		
	Carriage		Class II		
	Forks		Forged alloy steel, Hook type, Conform to ITA standard		
INSTRUMENTS	Meters		Battery capacity meter / 4-mode Hour meter / Speed meter in LCD		
	Indicators		Parking Brake warning / Brake fluid level warning / Seat belt warning in LCD		
	Switches		Direction & lighting switch / Key switch / Back operation lighting switch		

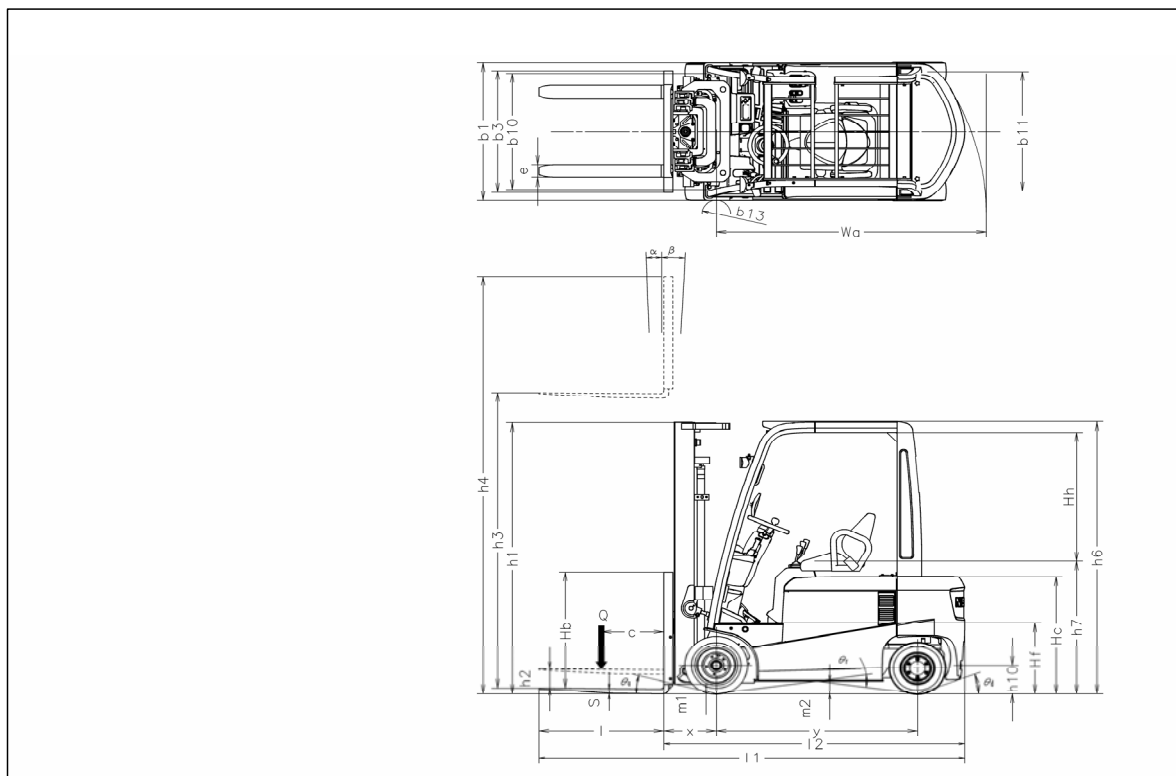
TX4

1.6



**2.0 ton
at 500 mm
Load Center**

Dimensions



Mast Specifications & Rated Capacities

TX4-16

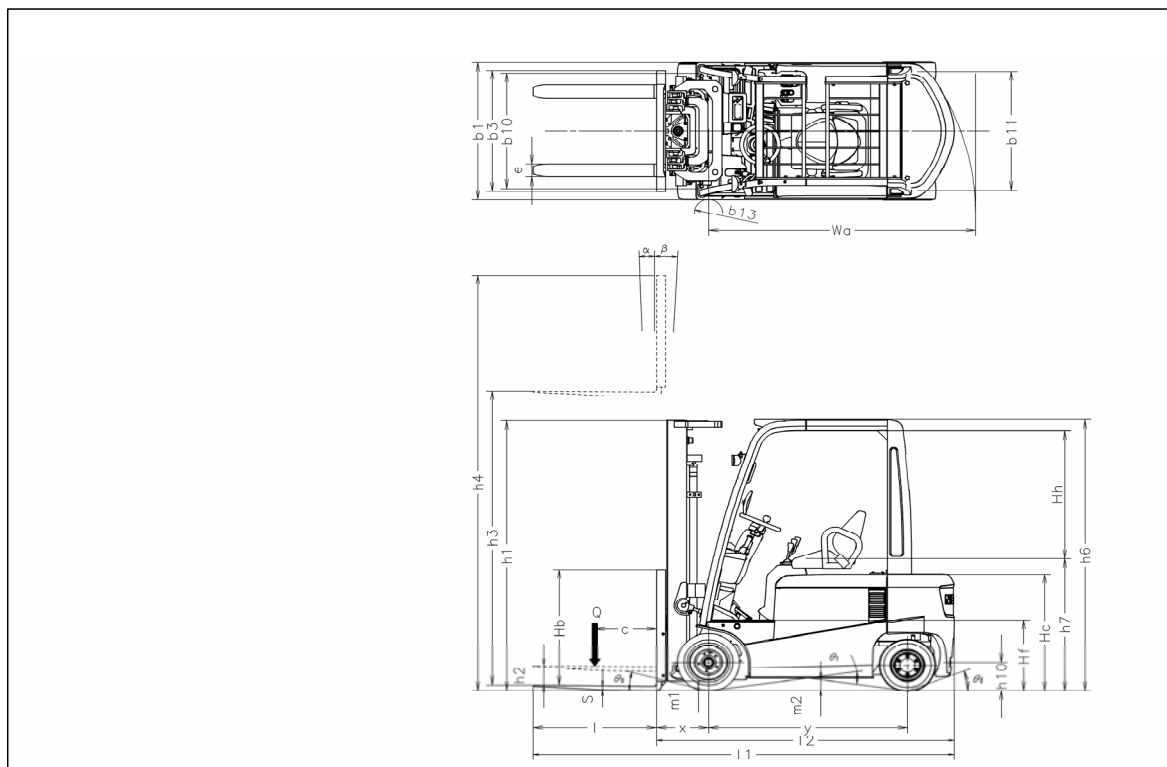
Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang			Tilt angle	Load capacity*
			Fully lowered	Fully extended		Without backrest	With STD backrest	Std. Fork	Hook on side shift	Integral side shift	Forward/backward	Load centre 500 mm
				Without backrest	With STD backrest							1.6 tonne
		mm	mm	mm	mm	mm	mm	mm	mm	mm	deg	kg
Two satage (Wide view 2W)	2W270	2700	1805	3280	3645	60	60	365	425	400	4/6	1600
	2W300	3000	1955	3580	3945							1600
	2W330	3300	2105	3880	4245							1600
	2W350	3500	2240	4080	4445							1600
	2W370	3700	2365	4280	4645							1600
	2W400	4000	2555	4580	4945							1600
	2W450	4500	2805	5080	5445							1500
	2W500	5000	3055	5580	5945							1450
Two stage (Full free 2F)	2F270	2700	1805	3280	3645	1225	860	360	420	395	4/6	1600
	2F300	3000	1955	3580	3945	1375	1010					1600
	2F330	3300	2105	3880	4245	1525	1160					1600
	2F350	3500	2240	4080	4445	1660	1295					1600
	2F370	3700	2365	4280	4645	1785	1420					1600
	2F400	4000	2555	4580	4945	1975	1610					1550
Three stage (Full free 3F)	3F385	3850	1805	4430	4795	1200	860	380	440	415	5/5	1550
	3F430	4300	1955	4880	5245	1375	1010					1500
	3F475	4750	2105	5330	5695	1525	1160					1450
	3F515	5150	2240	5730	6100	1660	1295					1350
	3F550	5500	2365	6080	6445	1785	1420					1300
	3F600	6000	2555	6580	6945	1975	1610					1250
	3F650	6500	2805	7080	7445	2225	1860					1150
	3F700	7000	3055	7580	7945	2475	2110					1100
Three stage (Full free wide view 3F)	3V360	3600	1805	4145	4510	1260	895	435	495	470	5/5	1550
	3V405	4050	1955	4595	4690	1410	1045					1500
	3V450	4500	2105	5045	5410	1560	1195					1450
	3V490	4900	2240	5445	5810	1695	1330					1350
	3V525	5250	2365	5795	6160	1920	1555					1300
	3V575	5750	2555	6295	6660	2010	1645					1250
	3V633	6330	2805	6875	7240	2260	1895					1150
	3V688	6880	3055	7425	7790	2510	2145					1100

*: Load capacity with super elastic tires

Main Truck Specifications

Item				TX4-16
CHARACTERISTICS	1.1	Manufacturer		Nissan
	1.2	Model name		JG1N1L16Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others		Electric
	1.4	Operation: manual,pedestrian,stand on,order picker		driver seated
	1.5	Load capacity	Q (t)	1.6
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	365
	1.9	Wheel base	y (mm)	1450
WEIGHTS	2.1	Service weight (without battery)	kg	2210
	2.2	Axle load with load, front/rear	kg	4105 / 605
	2.3	Axle load without load, front/rear	kg	1545 / 1565
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)		SE / SE
	3.2	Tyre size, front		18x7-8
	3.3	Tyre size, rear		16x6-8
	3.5	Wheels, number front/rear (x=driven)		2x/2
	3.6	Tread, front	b10(mm)	933
	3.7	Tread, rear	b11(mm)	928
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	4/6
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	210
	4.19	Overall length	l1 (mm)	3055
	4.20	Length to fork face	l2 (mm)	2155
	4.21	Overall width	b1(mm)	1090
	4.22	Fork dimensions	s/e/l (mm)	35x100x900
	4.23	fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance,mast	m1 (mm)	75
	4.32	Ground clearance,centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3470
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3270
	4.35	Turning radius	Wa (mm)	1910
	4.36	Turning radius, inner	b13 (mm)	560
PERFORMANCE	5.1	Travelling speed with/without load	km/h	15/16
	5.2	Lifting speed with/without load	m/s	400/600
	5.3	Lowering speed with/without load	m/s	500/550
	5.5	Maximum drawbar pull, with/without load,3 minutes rating	kN	10500
	5.7	Maximum gradeability with/without load,5 minutes rating	%	19/22
	5.9	Acceleration with/without load	s	4.5/4.1
	5.10	Service brake		Hydraulic / Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	5.0x2
	6.2	Lift motor performance, 20% rating	kW	11
	6.3	Battery according		DIN43531A
	6.4	Battery voltage/rated capacity (5h) *1	V/Ah	48/575
	6.5	Battery weight (±5%)	kg	900
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control		NISSAN AC TECH - MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no		-

Dimensions



Mast Specifications & Rated Capacities

TX4-18

Mast type	Mast name	Max. fork height	Overall Height			Free Lift		Front overhang			Tilt angle	Load capacity*
			Fully lowered	Fully extended		Without backrest	With STD backrest	Std. Fork	Hook on side shift	Integral side shift	Forward/backward	Load centre 500 mm
				Without backrest	With STD backrest							1.8 ton
		mm	mm	mm	mm	mm	mm	mm	mm	mm	deg	kg
Two satage (Wide view 2W)	2W270	2700	1805	3280	3645	60	60	370	430	405	4/6	1800
	2W300	3000	1955	3580	3945							1800
	2W330	3300	2105	3880	4245							1800
	2W350	3500	2240	4080	4445							1800
	2W370	3700	2365	4280	4645							1800
	2W400	4000	2555	4580	4945							1750
	2W450	4500	2805	5080	5445							1650
	2W500	5000	3055	5580	5945							1550
Two stage (Full free 2F)	2F270	2700	1805	3280	3645	1225	860	365	425	400	4/6	1800
	2F300	3000	1955	3580	3945	1375	1010					1800
	2F330	3300	2105	3880	4245	1525	1160					1800
	2F350	3500	2240	4080	4445	1660	1295					1800
	2F370	3700	2365	4280	4645	1785	1420					1750
	2F400	4000	2555	4580	4945	1975	1610					1700
Three stage (Full free 3F)	3F385	3850	1805	4430	4795	1200	860	385	445	420	5/5	1700
	3F430	4300	1955	4880	5245	1375	1010					1650
	3F475	4750	2105	5330	5695	1525	1160					1600
	3F515	5150	2240	5730	6100	1660	1295					1500
	3F550	5500	2365	6080	6445	1785	1420					1400
	3F600	6000	2555	6580	6945	1975	1610					1350
	3F650	6500	2805	7080	7445	2225	1860					1300
	3F700	7000	3055	7580	7945	2475	2110					1200
Three stage (Full free wide view 3F)	3V360	3600	1805	4145	4510	1260	895	440	500	475	5/5	1700
	3V405	4050	1955	4595	4690	1410	1045					1650
	3V450	4500	2105	5045	5410	1560	1195					1600
	3V490	4900	2240	5445	5810	1695	1330					1500
	3V525	5250	2365	5795	6160	1920	1555					1400
	3V575	5750	2555	6295	6660	2010	1645					1300
	3V633	6330	2805	6875	7240	2260	1895					1200
	3V688	6880	3055	7425	7790	2510	2145					1150

*: Load capacity with super elastic tires

Main Truck Specifications

Item				TX4-18
CHARACTERISTICS	1.1	Manufacturer		Nissan
	1.2	Model name		JG1N1L18Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others		Electric
	1.4	Operation: manual,pedestrian,stand on,order picker		driver seated
	1.5	Load capacity	Q (t)	1.8
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	370
	1.9	Wheel base	y (mm)	1450
WEIGHTS	2.1	Service weight (without battery)	kg	2310
	2.2	Axle load with load, front/rear	kg	4505 / 655
	2.3	Axle load without load, front/rear	kg	1620 / 1740
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)		SE / SE
	3.2	Tyre size, front		200/50-10
	3.3	Tyre size, rear		16x6-8
	3.5	Wheels, number front/rear (x=driven)		2x/2
	3.6	Tread, front	b10(mm)	930
	3.7	Tread, rear	b11(mm)	928
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	4/6
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	210
	4.19	Overall length	l1 (mm)	3060
	4.20	Length to fork face	l2 (mm)	2160
	4.21	Overall width	b1(mm)	1120
	4.22	Fork dimensions	s/e/l (mm)	40x100x900
	4.23	fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance,mast	m1 (mm)	75
	4.32	Ground clearance,centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3475
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3275
	4.35	Turning radius	Wa (mm)	1910
	4.36	Turning radius, inner	b13 (mm)	560
PERFORMANCE	5.1	Travelling speed with/without load	km/h	15/16
	5.2	Lifting speed with/without load	m/s	370/600
	5.3	Lowering speed with/without load	m/s	500/550
	5.5	Maximum drawbar pull, with/without load,3 minutes rating	kN	10500
	5.7	Maximum gradeability with/without load,5 minutes rating	%	17.5/21.5
	5.9	Acceleration with/without load	s	4.6/4.1
	5.10	Service brake		Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	5.0x2
	6.2	Lift motor performance, 20% rating	kW	11
	6.3	Battery according		DIN43531A
	6.4	Battery voltage/rated capacity (5h) *1	V/Ah	48/750
	6.5	Battery weight (±5%)	kg	1110
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control		NISSAN AC TECH - MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no		-

Main Truck Specifications

Item				TX4-20
CHARACTERISTICS	1.1	Manufacturer		Nissan
	1.2	Model name		JG1N1L20Q
	1.3	Power unit: Electric, Diesel, Gasoline, LPG,others		Electric
	1.4	Operation: manual,pedestrian,stand on,order picker		driver seated
	1.5	Load capacity	Q (t)	2
	1.6	Load centre	c (mm)	500
	1.8	Front overhang	x (mm)	370
	1.9	Wheel base	y (mm)	1450
WEIGHTS	2.1	Service weight (without battery)	kg	2440
	2.2	Axle load with load, front/rear	kg	4810 / 680
	2.3	Axle load without load, front/rear	kg	1605 / 1885
WHEELS & TIRES	3.1	Tyres front/rear (C=Cushion,SE=superelastic,P=pneumatic)		SE / SE
	3.2	Tyre size, front		200/50-10
	3.3	Tyre size, rear		16x6-8
	3.5	Wheels, number front/rear (x=driven)		2x/2
	3.6	Tread, front	b10(mm)	930
	3.7	Tread, rear	b11(mm)	928
DIMENSIONS	4.1	Tilt Mast/carriage, forward/backward	α/β (°)	4/6
	4.2	Standard mast height, fully lowered	h1 (mm)	1955
	4.3	Standard mast free lift	h2 (mm)	60
	4.4	Standard mast lift height	h3 (mm)	3000
	4.5	Standard mast height, fully extended	h4 (mm)	3580
	4.7	Overhead guard height	h6 (mm)	2110
	4.8	Height of seat/stand on platform	h7 (mm)	957
	4.12	Towing coupler height	h10 (mm)	210
	4.19	Overall length	l1 (mm)	3080
	4.20	Length to fork face	l2 (mm)	2160
	4.21	Overall width	b1(mm)	1120
	4.22	Fork dimensions	s/e/l (mm)	40x100x900
	4.23	fork carriage according to DIN 15173, class / form A,B		2A
	4.24	Carriage width	b3 (mm)	920
	4.31	Ground clearance,mast	m1 (mm)	75
	4.32	Ground clearance,centre of wheel base	m2 (mm)	100
	4.33	Right angle stacking aisle with pallet 1000 x 1200 across forks	Ast (mm)	3495
	4.34	Right angle stacking aisle with pallet 800 x 1200 across forks	Ast (mm)	3295
	4.35	Turning radius	Wa (mm)	1930
	4.36	Turning radius, inner	b13 (mm)	560
PERFORMANCE	5.1	Travelling speed with/without load	km/h	15/16
	5.2	Lifting speed with/without load	m/s	350/580
	5.3	Lowering speed with/without load	m/s	500/550
	5.5	Maximum drawbar pull, with/without load,3 minutes rating	kN	10500
	5.7	Maximum gradeability with/without load,5 minutes rating	%	15/20.5
	5.9	Acceleration with/without load	s	4.7/4.2
	5.10	Service brake		Hydraulic/Electric
DRIVE	6.1	Traction motor performance, 1hr. Rating	kW	5.0x2
	6.2	Lift motor performance, 20% rating	kW	11
	6.3	Battery according		DIN43531A
	6.4	Battery voltage/rated capacity (5h) *1	V/Ah	48/750
	6.5	Battery weight (±5%)	kg	1110
	6.60	Energy consumption in accordance with VDI-cycle	kWh/h	-
OTHERS	8.1	Type of drive control		NISSAN AC TECH - MOS-FET inverter
	8.2	Working pressure attachments	bar	120
	8.4	Noise level at operator's ear according to EN 12053	dB(A)	70
	8.5	Towing coupler, design/type DIN, no		-

Loading Capacity

TX4-16<FORK>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super elastic tires	Single Tyre	2W 270	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 300	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 330	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 350	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 370	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 400	1600	1430	1300	1185	1095	1015	945	885	830	785	740
		2W 450	1500	1345	1215	1110	1025	950	885	830	780	735	695
		2W 500	1450	1300	1175	1075	990	920	855	800	750	710	670
		2F 270	1600	1430	1295	1185	1090	1010	940	880	825	780	740
		2F 300	1600	1430	1295	1185	1090	1010	940	880	825	780	740
		2F 330	1600	1430	1295	1185	1090	1010	940	880	825	780	740
		2F 350	1600	1430	1295	1185	1090	1010	940	880	825	780	740
		2F 370	1600	1430	1295	1185	1090	1010	940	880	825	780	740
		2F 400	1550	1385	1255	1145	1055	980	910	855	800	755	715
		3F 385	1550	1390	1260	1155	1065	985	920	860	810	765	725
		3F 430	1500	1345	1220	1115	1030	955	890	835	785	740	700
		3F 475	1450	1300	1180	1080	995	920	860	805	755	715	675
		3F 515	1350	1210	1100	1005	925	860	800	750	705	665	630
		3F 550	1300	1165	1055	965	890	825	770	720	680	640	605
		3F 600	1250	1120	1015	930	855	795	740	695	650	615	585
		3F 650	1150	1030	935	855	790	730	680	640	600	565	535
		3F 700	1100	985	895	820	755	700	650	610	575	540	510
		3V 360	1550	1400	1275	1170	1085	1010	940	885	835	790	745
		3V 405	1500	1355	1235	1135	1050	975	910	855	805	760	725
		3V 450	1450	1310	1190	1095	1015	945	880	825	780	735	700
		3V 490	1350	1215	1110	1020	945	875	820	770	725	685	650
		3V 525	1300	1170	1070	980	910	845	790	740	700	660	625
		3V 575	1250	1125	1025	945	875	810	760	715	670	635	600
		3V 633	1150	1035	945	870	805	745	700	655	620	585	555
		3V 688	1100	990	905	830	770	715	670	625	590	560	530

Loading Capacity

TX4-18<FORK>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super elastic tires	Single Tyre	2W 270	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
		2W 300	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
		2W 330	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
		2W 350	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
		2W 370	1800	1615	1460	1335	1230	1140	1065	995	935	885	835
		2W 400	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
		2W 450	1650	1480	1340	1225	1130	1045	975	915	860	810	765
		2W 500	1550	1390	1260	1150	1060	985	915	860	805	760	720
		2F 270	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
		2F 300	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
		2F 330	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
		2F 350	1800	1610	1460	1335	1230	1140	1060	995	935	880	835
		2F 370	1750	1565	1420	1300	1195	1105	1030	965	910	855	810
		2F 400	1700	1520	1380	1260	1160	1075	1000	940	880	830	785
		3F 385	1700	1525	1385	1265	1170	1085	1010	945	890	840	795
		3F 430	1650	1480	1345	1230	1135	1050	980	920	865	815	770
		3F 475	1600	1435	1305	1190	1100	1020	950	890	840	790	750
		3F 515	1500	1345	1220	1120	1030	955	890	835	785	740	700
		3F 550	1400	1255	1140	1045	960	890	830	780	735	690	655
		3F 600	1350	1210	1100	1005	925	860	800	750	705	665	630
		3F 650	1300	1165	1060	970	895	830	770	725	680	640	610
		3F 700	1200	1075	975	895	825	765	715	670	630	590	560
		3V 360	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
		3V 405	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
		3V 450	1600	1445	1315	1210	1120	1040	975	915	860	815	775
		3V 490	1500	1355	1235	1135	1050	975	915	860	810	765	725
		3V 525	1400	1265	1150	1060	980	910	850	800	755	715	675
		3V 575	1300	1175	1070	985	910	845	790	745	700	660	630
		3V 633	1200	1080	985	905	840	780	730	685	645	610	580
		3V 688	1150	1035	945	870	805	750	700	655	620	585	555

Loading Capacity

TX4-20<FORK>

Unit: kg

Load center		500	600	700	800	900	1000	1100	1200	1300	1400	1500	
Mast name													
Super elastic tires	Single Tyre	2W 270	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
		2W 300	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
		2W 330	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
		2W 350	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
		2W 370	2000	1790	1625	1485	1370	1270	1185	1105	1040	980	930
		2W 400	1950	1745	1585	1450	1335	1235	1155	1080	1015	960	905
		2W 450	1850	1655	1505	1375	1265	1175	1095	1025	965	910	860
		2W 500	1750	1570	1420	1300	1200	1110	1035	970	910	860	815
		2F 270	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
		2F 300	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
		2F 330	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
		2F 350	2000	1790	1625	1485	1365	1265	1180	1105	1040	980	925
		2F 370	1950	1745	1580	1445	1330	1235	1150	1075	1010	955	905
		2F 400	1900	1700	1540	1410	1300	1205	1120	1050	985	930	880
		3F 385	1900	1705	1545	1415	1305	1210	1130	1060	995	940	890
		3F 430	1850	1660	1505	1380	1270	1180	1100	1030	970	915	865
		3F 475	1750	1570	1425	1305	1205	1115	1040	975	915	865	820
		3F 515	1650	1480	1345	1230	1135	1050	980	920	865	815	770
		3F 550	1550	1390	1260	1155	1065	990	920	865	810	765	725
		3F 600	1450	1300	1180	1080	995	925	860	805	760	715	680
		3F 650	1350	1210	1100	1005	925	860	800	750	705	665	630
		3F 700	1200	1075	975	895	825	765	715	670	630	590	560
		3V 360	1850	1670	1525	1400	1295	1205	1125	1060	995	945	895
		3V 405	1800	1625	1480	1360	1260	1175	1095	1030	970	920	870
		3V 450	1700	1535	1400	1285	1190	1110	1035	970	915	865	820
		3V 490	1650	1490	1360	1250	1155	1075	1005	945	890	840	795
		3V 525	1550	1400	1275	1175	1085	1010	945	885	835	790	750
		3V 575	1450	1310	1195	1095	1015	945	885	830	780	740	700
		3V 633	1350	1220	1110	1020	945	880	820	770	725	690	650
		3V 688	1200	1080	985	905	840	780	730	685	645	610	580

Loading Capacity

TX4-16<Side shift - hook on type>

Unit: kg

Load center Mast name			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 300	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 330	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 350	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 370	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 400	1500	1350	1230	1130	1045	970	910	850	805	760	720
		2W 450	1400	1260	1150	1055	975	905	845	795	750	710	670
		2W 500	1350	1215	1110	1015	940	875	815	765	720	680	645
		2F 270	1500	1350	1230	1130	1045	970	905	850	800	755	715
		2F 300	1500	1350	1230	1130	1045	970	905	850	800	755	715
		2F 330	1500	1350	1230	1130	1045	970	905	850	800	755	715
		2F 350	1500	1350	1230	1130	1045	970	905	850	800	755	715
		2F 370	1500	1350	1230	1130	1045	970	905	850	800	755	715
		2F 400	1450	1305	1190	1090	1010	935	875	820	775	730	695
		3F 385	1450	1310	1195	1095	1015	945	880	830	780	740	700
		3F 430	1400	1265	1150	1060	980	910	850	800	755	710	675
		3F 475	1350	1220	1110	1020	945	880	820	770	725	685	650
		3F 515	1250	1125	1030	945	875	815	760	715	670	635	605
		3F 550	1200	1080	985	905	840	780	730	685	645	610	580
		3F 600	1150	1035	945	870	805	750	700	655	620	585	555
		3F 650	1050	945	865	795	735	685	640	600	565	535	505
		3F 700	1000	900	820	755	700	650	610	570	535	510	480
		3V 360	1450	1315	1205	1110	1030	965	900	850	800	760	720
		3V 405	1400	1270	1165	1075	995	930	870	820	775	735	695
		3V 450	1350	1225	1120	1035	960	895	840	790	745	705	670
		3V 490	1250	1135	1040	960	890	830	775	730	690	655	620
		3V 525	1200	1090	995	920	855	795	745	700	665	630	595
		3V 575	1150	1040	955	880	820	765	715	675	635	600	570
		3V 633	1050	950	870	805	745	695	655	615	580	550	520
		3V 688	1000	905	830	765	710	665	620	585	550	525	495

Loading Capacity

TX4-18<Side shift - hook on type>

Unit: kg

Load center Mast name			Super elastic tires										
			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
		2W 300	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
		2W 330	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
		2W 350	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
		2W 370	1700	1535	1395	1285	1185	1105	1030	970	910	860	820
		2W 400	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
		2W 450	1550	1395	1275	1170	1080	1005	940	885	830	785	745
		2W 500	1450	1305	1190	1095	1010	940	880	825	780	735	695
		2F 270	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
		2F 300	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
		2F 330	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
		2F 350	1700	1530	1395	1280	1185	1100	1030	965	910	860	815
		2F 370	1650	1485	1355	1245	1150	1070	1000	935	885	835	790
		2F 400	1600	1440	1315	1205	1115	1035	970	910	855	810	765
		3F 385	1600	1445	1320	1210	1120	1045	975	915	865	815	775
		3F 430	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		3F 475	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3F 515	1400	1265	1155	1060	980	915	855	800	755	715	675
		3F 550	1350	1220	1110	1020	945	880	825	775	730	690	655
		3F 600	1250	1130	1030	945	875	815	760	715	675	635	605
		3F 650	1150	1035	945	870	805	750	700	660	620	585	555
		3F 700	1100	990	905	830	770	715	670	630	595	560	530
		3V 360	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
		3V 405	1550	1405	1290	1190	1105	1030	965	910	860	815	775
		3V 450	1500	1360	1250	1150	1070	1000	935	880	830	785	750
		3V 490	1400	1270	1165	1075	1000	930	875	820	775	735	700
		3V 525	1350	1225	1125	1035	960	900	840	790	750	710	675
		3V 575	1250	1135	1040	960	890	830	780	735	690	655	625
		3V 633	1150	1045	955	880	820	765	715	675	635	605	575
		3V 688	1100	1000	915	845	785	730	685	645	610	575	550

Loading Capacity

TX4-20<Side shift - hook on type>

Unit: kg

Load center Mast name			Load capacity (kg)										
			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
		2W 300	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
		2W 330	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
		2W 350	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
		2W 370	1900	1715	1560	1435	1325	1235	1155	1085	1020	965	915
		2W 400	1850	1670	1520	1395	1290	1200	1125	1055	995	940	890
		2W 450	1750	1580	1440	1320	1220	1135	1060	995	940	890	840
		2W 500	1650	1490	1355	1245	1150	1070	1000	940	885	835	795
		2F 270	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
		2F 300	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
		2F 330	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
		2F 350	1900	1710	1560	1435	1325	1230	1150	1080	1015	960	910
		2F 370	1850	1665	1520	1395	1290	1200	1120	1050	990	935	885
		2F 400	1800	1620	1480	1355	1255	1165	1090	1025	965	910	865
		3F 385	1800	1625	1485	1365	1260	1175	1100	1030	970	920	870
		3F 430	1750	1580	1440	1325	1225	1140	1065	1000	945	895	845
		3F 475	1650	1490	1360	1250	1155	1075	1005	945	890	840	800
		3F 515	1550	1400	1275	1175	1085	1010	945	890	835	790	750
		3F 550	1450	1310	1195	1100	1015	945	885	830	780	740	700
		3F 600	1350	1220	1110	1020	945	880	825	775	730	690	655
		3F 650	1250	1130	1030	945	875	815	760	715	675	635	605
		3F 700	1100	990	905	830	770	715	670	630	595	560	530
		3V 360	1750	1590	1455	1345	1250	1165	1090	1025	970	920	875
		3V 405	1700	1545	1415	1305	1210	1130	1060	1000	940	890	850
		3V 450	1600	1450	1330	1230	1140	1065	1000	940	885	840	800
		3V 490	1550	1405	1290	1190	1105	1030	965	910	860	815	775
		3V 525	1450	1315	1205	1115	1035	965	905	850	805	760	725
		3V 575	1350	1225	1125	1035	960	900	840	790	750	710	675
		3V 633	1250	1135	1040	960	890	830	780	735	690	655	625
		3V 688	1100	1000	915	845	785	730	685	645	610	575	550

Loading Capacity

TX4-16<Side shift - integral type>

Unit: kg

Load center Mast name			Super elastic tires										
			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 300	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 330	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 350	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 370	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 400	1600	1440	1305	1200	1105	1025	960	900	845	800	755
		2W 450	1500	1350	1225	1125	1035	960	900	840	790	750	710
		2W 500	1450	1305	1185	1085	1000	930	870	815	765	725	685
		2F 270	1600	1435	1305	1195	1105	1025	955	895	840	795	755
		2F 300	1600	1435	1305	1195	1105	1025	955	895	840	795	755
		2F 330	1600	1435	1305	1195	1105	1025	955	895	840	795	755
		2F 350	1600	1435	1305	1195	1105	1025	955	895	840	795	755
		2F 370	1600	1435	1305	1195	1105	1025	955	895	840	795	755
		2F 400	1550	1390	1265	1160	1070	990	925	865	815	770	730
		3F 385	1550	1395	1270	1165	1075	1000	930	875	825	780	735
		3F 430	1500	1350	1230	1125	1040	965	900	845	795	750	715
		3F 475	1450	1305	1185	1090	1005	935	870	820	770	725	690
		3F 515	1350	1215	1105	1015	935	870	810	760	715	675	640
		3F 550	1300	1170	1065	975	900	835	780	735	690	650	620
		3F 600	1250	1125	1025	940	865	805	750	705	665	625	595
		3F 650	1150	1035	940	865	795	740	690	650	610	575	545
		3F 700	1100	990	900	825	760	710	660	620	585	550	520
		3V 360	1550	1400	1280	1180	1095	1020	955	895	845	800	760
		3V 405	1500	1355	1240	1145	1060	985	925	870	820	775	735
		3V 450	1450	1310	1200	1105	1025	955	895	840	790	750	710
		3V 490	1350	1220	1115	1030	955	890	830	780	735	695	660
		3V 525	1300	1175	1075	990	915	855	800	750	710	670	635
		3V 575	1250	1130	1035	950	880	820	770	725	680	645	610
		3V 633	1150	1040	950	875	810	755	705	665	625	595	565
		3V 688	1100	995	910	835	775	725	675	635	600	570	540

Loading Capacity

TX4-18<Side shift - integral type>

Unit: kg

Load center Mast name			Super elastic tires										
			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
		2W 300	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
		2W 330	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
		2W 350	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
		2W 370	1800	1620	1470	1350	1245	1155	1080	1010	955	900	855
		2W 400	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
		2W 450	1650	1485	1350	1235	1140	1060	990	930	875	825	780
		2W 500	1550	1395	1265	1160	1070	995	930	870	820	775	735
		2F 270	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
		2F 300	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
		2F 330	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
		2F 350	1800	1615	1470	1345	1245	1155	1075	1010	950	895	850
		2F 370	1750	1570	1430	1310	1210	1120	1045	980	925	870	825
		2F 400	1700	1525	1390	1270	1175	1090	1015	955	895	845	800
		3F 385	1700	1530	1395	1280	1180	1100	1025	960	905	855	810
		3F 430	1650	1485	1350	1240	1145	1065	995	935	880	830	785
		3F 475	1600	1440	1310	1205	1110	1035	965	905	850	805	765
		3F 515	1500	1350	1230	1130	1040	970	905	850	800	755	715
		3F 550	1400	1260	1145	1050	970	905	845	790	745	705	665
		3F 600	1350	1215	1105	1015	935	870	815	765	720	680	645
		3F 650	1250	1125	1025	940	870	805	755	705	665	630	595
		3F 700	1200	1080	985	900	835	775	725	680	640	605	570
		3V 360	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		3V 405	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
		3V 450	1600	1450	1325	1220	1130	1055	985	930	875	830	785
		3V 490	1500	1360	1240	1145	1060	990	925	870	820	775	735
		3V 525	1400	1265	1160	1070	990	920	865	810	765	725	690
		3V 575	1350	1220	1115	1030	955	890	835	785	740	700	665
		3V 633	1250	1130	1035	955	885	825	770	725	685	645	615
		3V 688	1200	1085	995	915	850	790	740	695	655	620	590

Loading Capacity

TX4-20<Side shift - integral type>

Unit: kg

Load center Mast name			500	600	700	800	900	1000	1100	1200	1300	1400	1500
Super elastic tires	Single Tyre	2W 270	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
		2W 300	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
		2W 330	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
		2W 350	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
		2W 370	2000	1800	1635	1500	1385	1285	1200	1125	1060	1000	950
		2W 400	1950	1755	1595	1460	1350	1255	1170	1095	1035	975	925
		2W 450	1850	1665	1515	1385	1280	1190	1110	1040	980	925	875
		2W 500	1750	1575	1430	1310	1210	1125	1050	985	925	875	830
		2F 270	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
		2F 300	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
		2F 330	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
		2F 350	2000	1795	1635	1495	1380	1285	1195	1120	1055	995	945
		2F 370	1950	1750	1595	1460	1345	1250	1165	1095	1030	970	920
		2F 400	1900	1705	1550	1420	1310	1220	1135	1065	1005	945	895
		3F 385	1900	1710	1555	1430	1320	1225	1145	1075	1010	955	905
		3F 430	1850	1665	1515	1390	1285	1195	1115	1045	985	930	880
		3F 475	1750	1575	1435	1315	1215	1130	1055	990	930	880	835
		3F 515	1650	1485	1350	1240	1145	1065	995	935	880	830	785
		3F 550	1550	1395	1270	1165	1075	1000	935	875	825	780	740
		3F 600	1450	1305	1190	1090	1005	935	875	820	770	730	690
		3F 650	1350	1215	1105	1015	935	870	815	765	720	680	645
		3F 700	1200	1080	985	900	835	775	725	680	640	605	570
		3V 360	1850	1675	1530	1410	1310	1220	1140	1075	1015	960	910
		3V 405	1800	1630	1490	1375	1275	1185	1110	1045	985	935	885
		3V 450	1700	1540	1410	1295	1200	1120	1050	985	930	880	835
		3V 490	1650	1495	1365	1260	1165	1085	1020	955	905	855	810
		3V 525	1550	1405	1285	1180	1095	1020	955	900	850	805	760
		3V 575	1450	1310	1200	1105	1025	955	895	840	795	750	715
		3V 633	1350	1220	1115	1030	955	890	835	785	740	700	665
		3V 688	1200	1085	995	915	850	790	740	695	655	620	590

Loading Capacity Fork Positioner - Integral Type

TX4-16 <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1400	1265	1155	1065	985	920	860	810	765	720	685
	3F 430	1350	1220	1115	1025	950	885	830	780	735	695	660
	3F 475	1300	1175	1075	990	915	855	800	750	710	670	635
	3F 515	1200	1085	990	915	845	790	735	695	655	620	585
	3F 550	1150	1040	950	875	810	755	705	665	625	590	560
	3F 600	1100	995	910	835	775	720	675	635	600	565	535
	3F 650	950	860	785	720	670	625	585	550	515	490	465
	3F 700	900	815	745	685	635	590	550	520	490	465	440
	3V 360	1350	1225	1125	1040	965	905	845	800	755	715	680
	3V 405	1300	1180	1085	1000	930	870	815	770	725	690	655
	3V 450	1250	1135	1040	965	895	835	785	740	700	660	630
	3V 490	1150	1045	960	885	825	770	720	680	640	610	580
	3V 525	1100	1000	915	845	785	735	690	650	615	580	555
	3V 575	1050	955	875	810	750	700	660	620	585	555	525
	3V 633	950	865	790	730	680	635	595	560	530	500	475
	3V 688	900	815	750	695	645	600	565	530	500	475	450

TX4-18 <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1550	1405	1280	1180	1095	1020	955	895	845	800	760
	3F 430	1500	1355	1240	1145	1060	985	925	870	820	775	735
	3F 475	1400	1265	1160	1065	990	920	860	810	765	725	685
	3F 515	1350	1220	1115	1030	955	890	830	780	735	695	660
	3F 550	1300	1175	1075	990	920	855	800	750	710	670	635
	3F 600	1200	1085	990	915	845	790	740	695	655	620	590
	3F 650	1100	995	910	835	775	725	675	635	600	570	540
	3F 700	1050	950	870	800	740	690	645	605	575	540	515
	3V 360	1500	1365	1250	1160	1075	1005	945	890	840	795	755
	3V 405	1450	1320	1210	1120	1040	970	910	860	810	770	730
	3V 450	1350	1225	1125	1040	970	905	850	800	755	715	680
	3V 490	1300	1180	1085	1005	930	870	815	770	725	690	655
	3V 525	1250	1135	1045	965	895	835	785	740	700	665	630
	3V 575	1150	1045	960	885	825	770	725	680	645	610	580
	3V 633	1050	955	875	810	755	705	660	620	585	555	530
	3V 688	1000	910	835	770	715	670	630	590	560	530	505

TX4-20 <Fork Positioner-Integral type>

Load centre Mast name		500 mm	600	700	800	900	1000	1100	1200	1300	1400	1500
Super Elastic Tire	2W 300	Please consult Nissan Forklift										
	2W 330											
	2W 350											
	2W 370											
	2W 400											
	2W 450											
	2W 500											
	2F 300	Please consult Nissan Forklift										
	2F 330											
	2F 350											
	2F 370											
	2F 400											
	3F 385	1700	1540	1405	1295	1200	1120	1045	985	930	880	835
	3F 430	1650	1495	1365	1255	1165	1085	1015	955	900	855	810
	3F 475	1600	1450	1325	1220	1130	1055	985	925	875	825	785
	3F 515	1500	1355	1240	1145	1060	985	925	870	820	775	735
	3F 550	1400	1265	1160	1065	990	920	860	810	765	725	685
	3F 600	1300	1175	1075	990	920	855	800	750	710	670	635
	3F 650	1200	1085	990	915	845	790	740	695	655	620	590
	3F 700	1100	995	910	835	775	725	675	635	600	570	540
	3V 360	1650	1500	1380	1275	1185	1105	1040	980	925	875	830
	3V 405	1600	1455	1335	1235	1150	1075	1005	950	895	850	805
	3V 450	1550	1410	1295	1195	1110	1040	975	920	870	820	780
	3V 490	1450	1320	1210	1120	1040	970	910	860	810	770	730
	3V 525	1350	1225	1125	1040	970	905	850	800	755	715	680
	3V 575	1250	1135	1045	965	895	835	785	740	700	665	630
	3V 633	1150	1045	960	885	825	770	725	680	645	610	580
	3V 688	1050	955	875	810	755	705	660	620	585	555	530

Truck Weight (With 900 mm Fork: Without Battery)

■ Standard Fork

Unit: kg

		TX4-16	TX4-18	TX4-20
		Super Elastic Tires		
Two stage (Wide view 2W)	2W 270	2190	2295	2425
	2W 300	2210	2310	2440
	2W 330	2230	2330	2460
	2W 350	2250	2350	2480
	2W 370	2285	2385	2515
	2W 400	2310	2410	2540
	2W 450	2340	2445	2575
	2W 500	2375	2475	2605
Two stage (Full free 2F)	2F 270	2205	2305	2435
	2F 300	2225	2325	2455
	2F 330	2245	2345	2475
	2F 350	2265	2365	2495
	2F 370	2300	2400	2530
	2F 400	2325	2425	2555
Three stage (Full free 3F)	3F 385	2370	2475	2605
	3F 430	2405	2505	2635
	3F 475	2435	2535	2665
	3F 515	2460	2560	2690
	3F 550	2515	2615	2745
	3F 600	2555	2655	2785
	3F 650	2600	2705	2835
	3F 700	2650	2750	2880
Three stage (Opti view 3V)	3V 360	2395	2500	2630
	3V 405	2425	2525	2655
	3V 450	2455	2560	2690
	3V 490	2480	2585	2715
	3V 525	2545	2645	2775
	3V 575	2580	2680	2810
	3V 633	2630	2730	2860
	3V 688	2680	2780	2910
Service Weight (without mast)		1690	1790	1920

Truck Weight (With 900 mm Fork: Without Battery)

■ Side Shift - Integral Type -

Unit: kg

		TX4-16	TX4-18	TX4-20
		Super Elastic Tires		
Two stage (Wide view 2W)	2W 270	2235	2345	2475
	2W 300	2255	2360	2490
	2W 330	2275	2380	2510
	2W 350	2290	2400	2530
	2W 370	2325	2435	2565
	2W 400	2350	2460	2590
	2W 450	2385	2490	2620
	2W 500	2415	2525	2655
Two stage (Full free 2F)	2F 270	2245	2355	2485
	2F 300	2265	2375	2505
	2F 330	2285	2395	2525
	2F 350	2305	2415	2545
	2F 370	2340	2445	2575
	2F 400	2365	2475	2605
Three stage (Full free 3F)	3F 385	2415	2525	2655
	3F 430	2445	2555	2685
	3F 475	2475	2585	2715
	3F 515	2500	2610	2740
	3F 550	2555	2665	2795
	3F 600	2595	2705	2835
	3F 650	2645	2755	2885
	3F 700	2690	2800	2930
Three stage (Opti view 3V)	3V 360	2445	2545	2675
	3V 405	2475	2575	2705
	3V 450	2505	2605	2735
	3V 490	2530	2630	2760
	3V 525	2590	2695	2825
	3V 575	2630	2730	2860
	3V 633	2680	2780	2910
	3V 688	2730	2830	2960

Truck Weight (With 900 mm Fork: Without Battery)

■ Side Shift - Hook on Type -

Unit: kg

		TX4-16	TX4-18	TX4-20
		Super Elastic Tires		
Two stage (Wide view 2W)	2W 270	2245	2355	2485
	2W 300	2265	2375	2505
	2W 330	2285	2395	2525
	2W 350	2305	2415	2545
	2W 370	2340	2450	2580
	2W 400	2365	2475	2605
	2W 450	2395	2505	2635
	2W 500	2430	2540	2670
Two stage (Full free 2F)	2F 270	2260	2370	2500
	2F 300	2280	2380	2510
	2F 330	2300	2400	2530
	2F 350	2320	2420	2550
	2F 370	2355	2455	2585
	2F 400	2380	2480	2610
Three stage (Full free 3F)	3F 385	2435	2540	2670
	3F 430	2465	2565	2695
	3F 475	2495	2595	2725
	3F 515	2520	2620	2750
	3F 550	2575	2675	2805
	3F 600	2615	2715	2845
	3F 650	2660	2765	2895
	3F 700	2710	2810	2940
Three stage (Opti view 3V)	3V 360	2455	2560	2690
	3V 405	2485	2585	2715
	3V 450	2515	2615	2745
	3V 490	2540	2645	2775
	3V 525	2605	2705	2835
	3V 575	2640	2740	2870
	3V 633	2690	2790	2920
	3V 688	2740	2840	2970

Additional Truck Weight

■ Backrest

Model	JG1N1		
	16	18	20
Less	-25	-25	-25
STD	0	0	0
High	+10	+10	+10

■ Forks

		JG1N1		
		16	18	20
Fork	Less fork	-80	-90	-90
	900 (35.4)	0	0	0
	1000 (39.4)	+5	+5	+5
	1100 (43.3)	+10	+10	+10
	1200 (47.2)	+20	+20	+20
	1300 (51.2)	+25	+25	+25

Supplement Data

Item	Model				JG1N1			
					L16Q	L18Q	L20Q	
					1.6 ton	1.8 ton	2.0 ton	
DIMENSIONS	Or	Rear overhang		mm	340	340	360	
	Tf	Front tread	Pneumatic solid	mm	933	930	930	
			Cushion	mm	-	-	-	
	As	Right angle stacking aisle width		mm	2275	2280	2300	
	Ai	Right angle intersecting aisle width		mm	1910	1910	1930	
	Hf	Floor height		mm	545	545	545	
	Hh	Head room		mm	1127	1127	1127	
	Hc	Counterweight height		mm	906	906	906	
	Sw	Max. fork spread		mm	910	910	910	
	Sn	Min. fork spread		mm	205	205	205	
	Gf	Grand clearance	Under frame	mm	100	100	100	
	θ r	Ramp breakover angle		tan θ %	28	28	28	
	θ d	Departure angle		tan θ %	35	35	35	
θ a	Approach angle		tan θ %	27	27	27		
PERFORMANCE	Lifting speed	2W Mast	full load	mm/sec	400	370	350	
			no load	mm/sec	600	600	600	
		2F Mast	full load	mm/sec	390	370	350	
			no load	mm/sec	520	520	520	
		3F Mast	full load	mm/sec	390	370	350	
			no load	mm/sec	520	520	520	
		3V Mast	full load	mm/sec	360	340	330	
			no load	mm/sec	500	500	500	
		Lowering speed	2W Mast	full load	mm/sec	500	500	500
				no load	mm/sec	550	550	550
	2F Mast		full load	mm/sec	480	480	480	
			no load	mm/sec	310	310	310	
	3F Mast		full load	mm/sec	480	480	480	
			no load	mm/sec	370	370	370	
3V Mast	full load		mm/sec	480	480	480		
	no load		mm/sec	370	370	370		
Drawbar pull	full load	N	10500	10500	10500			
	no load	N	10500	10500	10500			
Front Tire size	Pneumatic solid		18x7-8	200/50-10	200/50-10			
	Cusion		-	-	-			
WEIGHT	Truck weight (without battery)		Service weight	kg	2210	2310	2440	
	Weight distribution*	no load	front axle	kg	1545	1620	1605	
			rear axle	kg	1565	1740	1875	
		full load	front axle	kg	4105	4505	4810	
			rear axle	kg	605	655	680	
	MOTOR	Traction motor		Type		Open-self ventilated AC induction motor		
Traction motor performance, 60 minute rating		Output	kW	5.0x2	5.0x2	5.0x2		
Hoist pump motor		Control type		Micro-computer MOS-FET inverter control				
Lift motor performance 20% rating		Type		Open-self ventilated AC induction motor				
		Output	kW	11.0	11.0	11.0		
VOLTAGE				V	48	48	48	

Right Angle Stacking Aisle

2W MAST

Model		JG1N1L16Q			JG1N1L18Q			JG1N1L20Q		
		TX4-16			TX4-18			TX4-20		
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1,910	1,910	1,910	1,910	1,910	1,910	1,930	1,930	1,930
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.490	1.310	1.615	1.495	1.315	1.620	1.495	1.315	1.620
Ast	=Wa + R + a [m] (m)	3.325	3.145	3.450	3.330	3.150	3.455	3.330	3.150	3.455

2F MAST

Model		JG1N1L16Q			JG1N1L18Q			JG1N1L20Q		
		TX4-16			TX4-18			TX4-20		
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1,910	1,910	1,910	1,910	1,910	1,910	1,930	1,930	1,930
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.485	1.305	1.610	1.490	1.310	1.615	1.490	1.310	1.615
Ast	=Wa + R + a [m] (m)	3.320	3.140	3.445	3.325	3.145	3.450	3.325	3.145	3.450

3F MAST

Model		JG1N1L16Q			JG1N1L18Q			JG1N1L20Q		
		TX4-16			TX4-18			TX4-20		
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1,910	1,910	1,910	1,910	1,910	1,910	1,930	1,930	1,930
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.505	1.325	1.630	1.510	1.330	1.635	1.510	1.330	1.635
Ast	=Wa + R + a [m] (m)	3.340	3.160	3.465	3.345	3.165	3.470	3.345	3.165	3.470

3V MAST

Model		JG1N1L16Q			JG1N1L18Q			JG1N1L20Q		
		TX4-16			TX4-18					
Pallet	Length (m)	1.000	0.800	1.200	1.000	0.800	1.200	1.000	0.800	1.200
	Width (m)	1.200	1.200	0.800	1.200	1.200	0.800	1.200	1.200	0.800
Wa	Turning Radius (mm)	1910	1910	1910	1910	1910	1910	1930	1930	1930
a	Room (m)	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
R	(m)	1.555	0.138	1.685	1.560	1.380	1.690	1.560	1.380	1.690
Ast	=Wa + R + a [m] (m)	3.390	3.210	3.520	3.395	3.215	3.525	3.395	3.215	3.525

Option Availability

●...Standard ○...Option

				JG1N1					
				16	18	20			
Mast	Mast type	Two stage wide view (2W)		○	○	○			
		Two stage full free (2F)		○	○	○			
		Three stage full free (3F)		●	●	●			
		Three stage opti view (3V)		○	○	○			
	Side Shifter	Mast protector		-	-	-			
		Integral Side Shift		○	○	○			
Fork			Hook-on Side Shift		○	○	○		
Carriage & backrest			Standard backrest		●	●	●		
			High backrest		○	○	○		
			Less backrest		○	○	○		
Hydraulic control	Control system		Mechanical control		●	●	●		
			Electric proportional control		○	○	○		
	Spool no.		3-spool		●	●	●		
			4-spool		○	○	○		
	Lever arrangement		Twin control lever		●	●	●		
			Single control lever		○ ^{*1}	○ ^{*1}	○ ^{*1}		
Brake system	Service brake		Electrical		3-spool piping		○	○	○
					4-spool piping		○	○	○
					Neutral brake		●	●	●
	Parking brake		Hydraulic		Switch back brake		●	●	●
					Foot brake		●	●	●
					Wet Disc type		●	●	●
Steering system			with warning		●	●	●		
			Fully hydraulic power steering		●	●	●		
			Small diameter steering wheel		●	●	●		
			High position steering wheel		○	○	○		
			Tilting steering		●	●	●		
			Knob position control system		-	-	-		
Light & alarm	Light		Head light		●	●	●		
			Turn signal light		●	●	●		
			Rear combination light		●	●	●		
			Back operation light		○	○	○		
			Flash light		○	○	○		
	Alarm		Back-up buzzer		●	●	●		
Warning buzzer			●	●	●				
Instruments			Battery capacity meter		●	●	●		
			Speed / rear wheel angle indicator		●	●	●		
			Hour meter (2-mode)		●	●	●		
			Time & day of week		●	●	●		
			Brake warnig		●	●	●		
			Seat belt warning		●	●	●		
			Selected power mode		●	●	●		
			Pneumatic solid		●	●	●		
Tire			Pneumatic solid (Non-marking)		○	○	○		
			Cushion		-	-	-		
			AC inverter motor control		●	●	●		
	Control system	Drive control		3-mode regenerative brake		●	●	●	
				Acceleration "Fuzzy" control		●	●	●	
				AC inverter motor control		●	●	●	
Loading control		Finger-tip control		○	○	○			
		Pump cut		●	●	●			
		Inhibitor system		●	●	●			
		Power mode change		●	●	●			
		Secret Code access		○ ^{*2}	○ ^{*2}	○ ^{*2}			
		Trouble diagnosis		●	●	●			
		Self-check system		●	●	●			
Performance	Drive & Loading		High performance		●	●	●		
Battery			Less battery		●	●	●		
Battery case			○	○	○				
Cold strage			-35℃		○	○	○		
Body	Mirror	Rear view mirror		●	●	●			
		Room mirror		○ ^{*3}	○ ^{*3}	○ ^{*3}			
	Overhead guard height	High overhead guard		●	●	●			
		Low overhead guard		○	○	○			
		Steel Cabin		○	○	○			
		Rain guard (Plastic type)		○	○	○			
Seat			Battery roller		○	○	○		
Tool			Rain guard (Plastic type)		○	○	○		
			Reclining+ Suspension (Vinyl)		●	●	●		
			Reclining+ Suspension (Cloth)		○	○	○		
			with tool kit		○	○	○		

*1 : "Finger-tip control" only.

*2 : To be activated by DB locally.

*3 : Combined with "Steel Cabin" only.

SHJG1N1-0 / 31 Aug. '08

Forks Availability

●...Standard ○...Option

Length mm		Model	JG1N1		
			TX4-16	TX4-18	TX4-20
Fork	Less forks		○	○	○
	900		●	●	●
	1000		○	○	●
	1100		○	○	○
	1200		○	○	○
	1300		○	○	○

Fork Dimensions

	Width [W] x Thickness [T] mm	
	TX4	
	TX4-16	TX4-18 / TX4-20
All Length	100 x 35	100 x 40

Carriage & Backrest Dimensions

■ CARRIAGE

Unit: mm

Model	TX4 16-20	
Class	Class II	
Number of Rollers (No. of side rollers not included)	6	
Carriage Width [W] mm	Standard	920
	Wide	–
Max. Fork Spread mm	Standard	910
	Wide	–

■ BACKREST

Unit: mm

Model		TX4-16	TX4-18 TX4-20
Backrest Height [H] mm	Standard	910	905
	High Backrest	1225	1220
	Wide & High Backrest	–	–
Outside width of backrest [L] mm	Standard & High Backrest	945	
	Wide Backrest	–	–
Plate Thickness [T] mm		12	

Tire Size

●...Standard ○...Option

Tire			Model	JG1N1		
				TX4-16	TX4-18	TX4-20
Front	Single	Tire Size (Pneumatic Solid)		18 x 7-8	200/50-10	
		Rim Size (Pneumatic Solid)		4.33R-8	6.50F-10	
		Type	Pneumatic Solid	●	●	●
			Clean (White)	○	○	○
			Cushion	—	—	—
Rear	Single	Tire Size (Pneumatic Solid)		16 x 6-8		
		Rim Size (Pneumatic Solid)		4.33R-8		
		Type	Pneumatic Solid	●	●	●
			Clean (White)	○	○	○
			Cushion	—	—	—

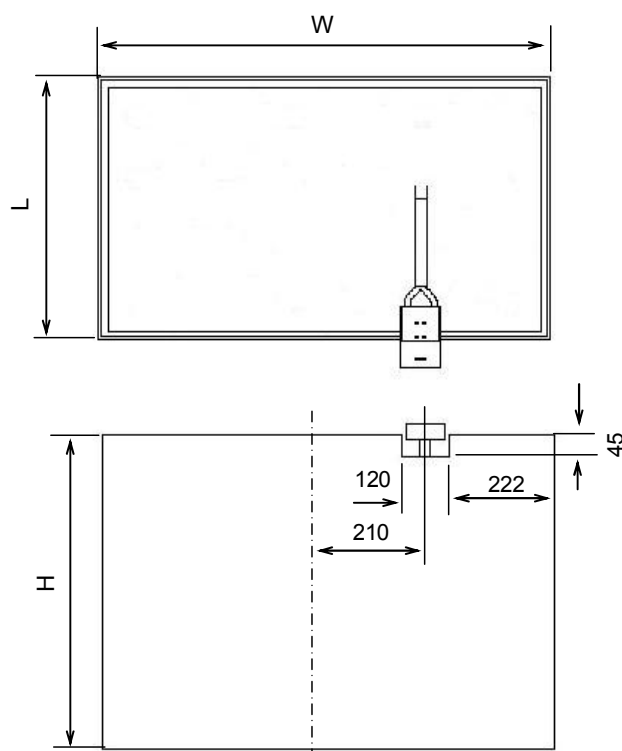
Tool Options

●...Standard ○...Option

			TX4
Tool kit	Wrench	8 x 10	●
		12 x 14	●
		14 x 17	●
	Screwdrivers		●
	Wheel nut wrench		●
	Thermometer		●
	Gravi-meter		●
	Puller		—
	Tool bag		●
Jack			—

Recommended Battery Case

				JG1N1		
				L16Q	L18Q	L20Q
Dimension of battery compartment		Width	mm	995		
		Length	mm	640		
		Height	mm	655		
Recommended battery case	Width	W	mm	985		
	Length	L	mm	632		
	Height	H	mm	645		
	Hook hole pitch	P	mm	350		
Effective battery weight		Min.	kg	900	1050	
		Max.		1150	1150	
Battery connector type			CE area	Anderson SBE 320 (BLUE)		
			GOM area	Anderson SB 350 (GRAY)		
Optional battery	Truck voltage		V	48		
	Number of cell		PCS	24		
	Capacity		AH/5h	625	750	
	Weight	Cells	kg	810	980	
		Batthey case	kg	120		
Total		ka	930	1100		



Unit Specification

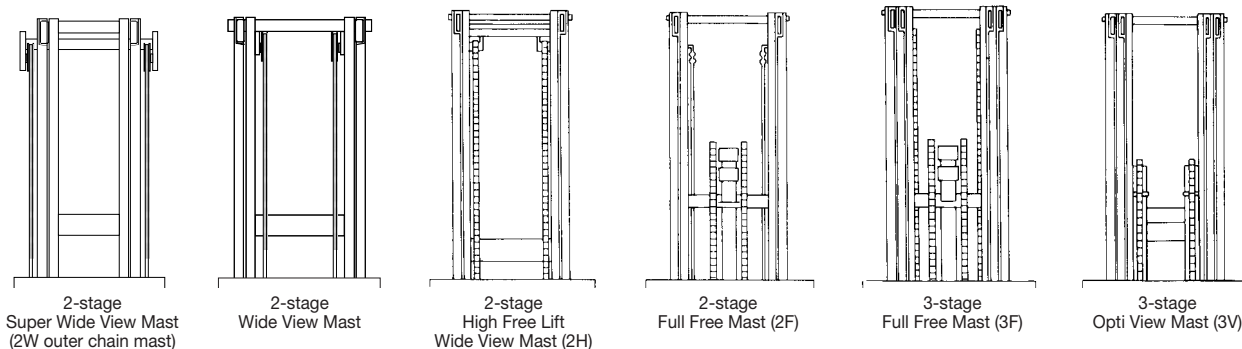
			JG1N1L16Q (TX4-16) JG1N1L18Q (TX4-18) JG1N1L20Q (TX4-20)
Controller	Traction	Control	Micro-computer MOS-FET inverter control
		By-pass control	-
		Field weakening system	-
	Hoist	Control	Micro-computer MOS-FET inverter control
		Pump cut unit	(On board)
Traction Motor	Type		Open-self ventilated AC induction motor
	Rated output kW/1h		5.0-48V
Hoist Pump Motor	Type		Open-self ventilated AC induction motor
	Rated output kW/5 min		11.0-48V
PS Motor	Type		-
	Rated output kW/1h		-
	PS Control		-
Steering System	Type		Fully hydraulic power steering
	Steering wheel		Tilting type
Drive Axle	Type		Half floating
	Reduction gear type		Planetary
Steering Axle	Type		Rigid axle of elliot type
	Rotation structure		Mounted by center pin to body frame
Brake System	Service brake		Hydraulic, wet disk in drive unit
	Parking brake		Dead point lock type
	Lining material		Non-asbestos
Frame & Body	Frame structure		Integral, All welded frame
	Overhead guard		Strength conform to ISO, ANSI standard
Hydraulic System	Hydraulic oil pump		Single Zero-backrush type 24 (cc/rev)
	Control valve		Sectional type with main relief valve, tilt lock valve and lift down lock solenoid
	Main relief valve set pressure		16.7 Mpa
	Lift cylinder		Piston type without return hose - 2W, 3F, 3V mast Ram type - 2F mast
	Suction filter		150-mesh, wire netting
	Micron filter		20-micron paper type (Cartridge type)
	Hyd. tank capacity		20 liter
Loading System	Mast		All roller mast, grease sealed roller bearing
	Carriage		Class II
	Forks		Forged alloy steel, hook type, conform to ITA standard
Instruments	Meters		Battery capacity meter/ 4-mode Hour meter / Speed meter in LCD
	Indicators		Parking Brake warning / Brake fluid level warning / Seat belt warning in LCD
	Switches		Direction & lighting switch / Key switch / Back operation lighting switch

INTRODUCTION MAST

INTRODUCTION OF MAST

Mast Availability

All of Nissan forklifts are equipped with wide view masts. The following five types are available. Among 2-stage wide view masts, the 2H type (High Free Lift mast) has more free lift than 2W type. Not all masts are available on every model. Refer to the following table.



Engine - powered Forklifts

Mast	NML				NFESA		NFC		NML	
	Japan				Spain		USA		Japan	
	1F1	1F2	A1F1	A1F2	D01-Q	D02-Q	C1F1	C1F2	F04	F05
2W	S ^{*1}	S ^{*1}	S ^{*1}	S ^{*1}	S ^{*1}	S ^{*1}	—	—	S	S
2H	—	—	—	—	—	—	S	S	—	—
2F	O	O	O	O	O	O	O	O	O	—
3F	O	O	O	O	O	O	O	O	O	O
3V	—	—	—	—	O	O	O	O	—	—

Electric - powered Forklifts

Mast	NML		NML	NFC	NML	NFC	NFESA		NML	
	Japan		Japan	USA	Japan	USA	Spain		Japan	
	1B1	1B2	C1B1		C1B2		Q02	TX	U01	U02
2W	S ^{*1}	S ^{*1}	S	—	S	—	S ^{*1}	S ^{*1}	S ^{*2}	S
2H	—	—	—	—	S(3.0t)	—	—	—	—	○
2F	○	○	○	—	○	—	○	○	○ ^{*3}	—
3F	○	○	—	S	—	S	○	○	○ ^{*4}	○
3V	—	—	—	—	—	—	—	—	—	—

S: Standard ○: Option —: Not available *1:*2W outer chain mast (except L02 3.5ton models). *2:2F300 is standard on (Y)U01D models. 3F400 is standard on (WY)U02T models. *3:Only available for (Y)U01D models. *4:Only available for (WY)U02T models.

Note:

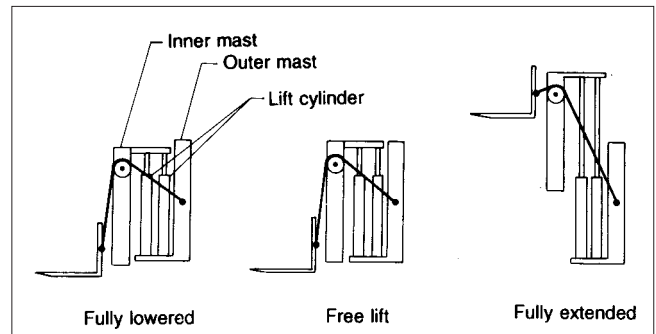
Be careful to those customers who value visibility when you sell Nissan forklifts with 2F250, 2F270 and 3F385 masts. Please feel free to contact us if detailed information is needed for your sales negotiation.

INTRODUCTION OF MAST

Mast Movement

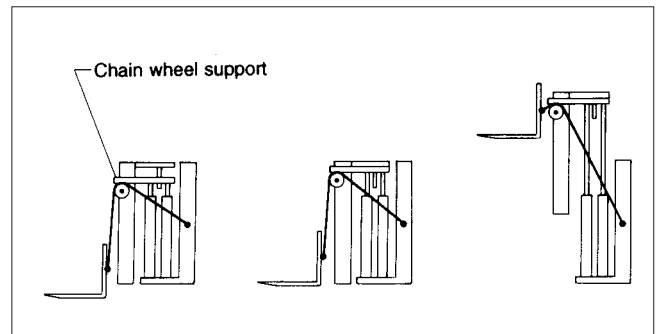
2W mast

The inner mast rail is located lower than the outer rail. Free lift is realized when the inner mast is raised by the lift cylinder to the same level as the outer mast.



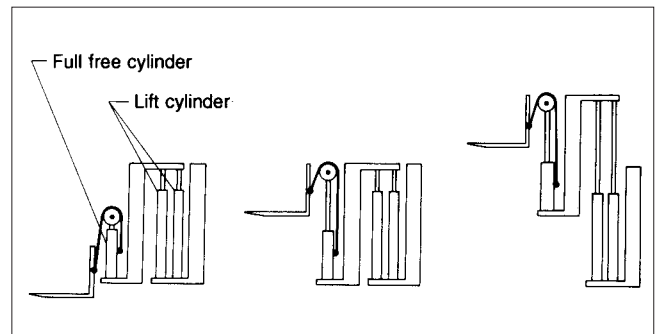
2H mast

A chain wheel support is located above the lift cylinder. Free lift is realized when the support is raised by the lift cylinder to the inner mast. It has more free lift than the 2W mast.



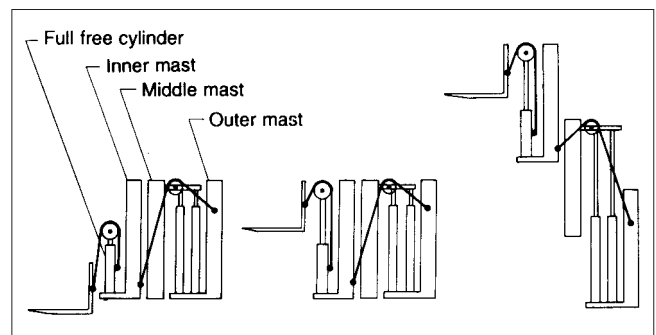
2F mast

The full free cylinder first raises the forks. Free lift is realized when they are fully extended. After that, the lift cylinder raises the inner mast.



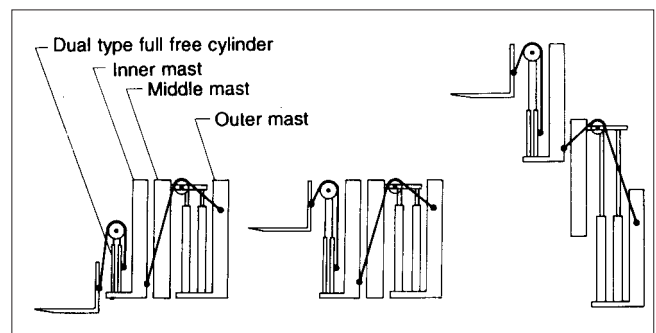
3F mast

The full free cylinder first raises the forks. Free lift is realized when they are fully extended. The lift cylinder next raises the inner and middle masts.



3V mast

The dual type full free cylinder first raises the forks. Free lift is realized when they are fully extended. The lift cylinder next raises the inner and middle masts.

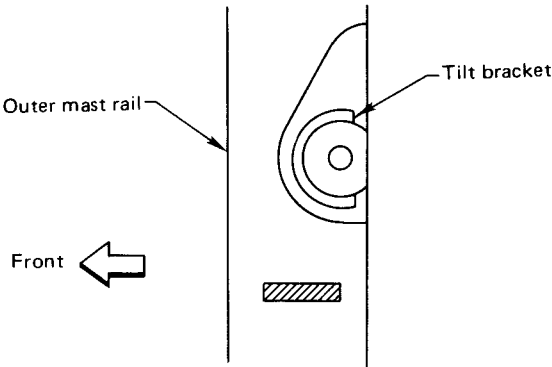


INTRODUCTION OF MAST

Mast Number Plate Coding System

A mast number plate is attached each mast. The plate location and coding system of the mast number are as follows:

Mast Number Plate Location



For General areas

Mast No. Coding System

ex. 1KU 2W330

_____ Mast name

_____ Model and load capacity

For North America

Mast No. Coding System (Sold by NFC)

<u>P</u>	<u>2</u>	<u>3F</u>	<u>475</u>
①	②	③	④

① TYRE

- P PNEUMATIC
- C CUSHION
- A COMPACT

② TONNAGE RANGE

- 1 2000 - 3500 Lbs.
- 2 4000 - 5500 Lbs.
- 3 6000 - 7000 Lbs.
- 4 8000 - 9000 Lbs.

③ MAST TYPE

- 2W 2 STAGE WIDE VIEW
- 2H 2 STAGE HIGH FREE
- 2F 2 STAGE FULL FREE
- 3F 3 STAGE FULL FREE

④ MAXIMUM LIFT HEIGHT

This figure is representative of the maximum lift height in centimeters ie. 475 cm. = 187 inches.

INTRODUCTION OF MAST

Mast Interchangeability

The first five indications of the mast number refer to the interchangeability of the mast with other models shown in the following table.

Mast type		2-stage Wide View Mast (2W)	2-stage High Free Mast (2H)	2-stage Full Free Mast (2F)	2-stage Full Free Mast (3F)	2-stage Opti View Mast (3V)
1F1 (Pneumatic)	15	1KEA2W	—	1KEA2F	1KEA3F	—
	18	18EA2W	—	18EA2F	18EA3F	—
1F2 (Pneumatic)	20	2KEA2W	—	2KEA2F	2KEA3F	—
	25	—	—	—	—	—
	30	30EA2W	—	30EA2F	30EA3F	—
	35	35EA2W	—	35EA2F	35EA3F	—
DX (Pneumatic)	15	18K2W	—	18K2F	18K3F	18K3V
	18	—	—	—	—	—
	20	25K2W	—	25K2F	25K3F	25K3V
	25	—	—	—	—	—
	30	30L2W	—	30L2F	30L3F	30K3V
C1F1 (Cushion)	15	—	18G2H	(1KG2F)	(1KG3F)	(1KG3V)
	18	—	—	—	—	—
C1F2 (Cushion)	20	—	2KG2H	(2KG2F)	(2KG3F)	(2KG3V)
	25	—	—	—	—	—
	28	—	28G2H	(28G2F)	(28G3F)	(28G3V)
	30	—	30G2H	(30G2F)	((30G3F)	(30G3V)
	33	—	—	—	—	—
	35	—	35G2H	35G2F	(35G3F)	(35G3V)
A1F1(Compact) A1F2(Compact)	16	1KAA2W	—	1KAA2F	1KAA3F	—
	25	2KAA2W	—	2KAA2F	2KAA3F	—
F05 (Pneumatic)	50	5KP2W	—	—	5KP3F	—
	60	—	—	—	—	—
	70	7KP2W	—	—	7KP3F	—
1B1 (Pneumatic)	15	1KP2W	—	1KPA2F	1KPA3F	—
	18	18PA2W	—	18PA2F	18PA3F	—
1B2 (Pneumatic)	20	2KPA2W	—	2KPA2F	2KPA3F	—
	25	—	—	—	—	—
C1F1 (Cushion)	15	1KPA2W	—	1KRA2F	(1KG3F)	—
	18	—	—	—	—	—
C1F2 (Cushion)	20	2KRA2W	—	2KRA2F	(2KG3F)	—
	25	—	—	—	—	—
	30	—	30G2H	30RA2F	(30G3F)	—
	35	—	—	—	—	—
1Q2	20	2KX2W	—	2KQ2F	2KQ3F	2KQA3V
	25	—	—	—	—	—
	30	30X2W	—	30Q2F	30Q3F	30QA3V
TX	12.5	—	—	—	—	—
	15	—	—	—	—	—
	16	1KNA2W	—	1KNA2F	1KNA3F	1KNA3V
	17.5	—	—	—	—	—
	18	—	—	—	—	—
1F4 (Pneumatic)	20	—	—	—	—	—
	35	40GA2W	—	—	40GA3F	—
	40	—	—	—	—	—
	45	45GA2W	—	—	45GA3F	—
	50	50GA2W	—	—	50GA3F	—

Note : Mast codes in () are US made. (NFC and LIFT - TEK)

NISSAN JAPAN MAST has the identification code on the outer mast rail under tilt bracket.

NISSAN NFC MAST has the punched identification code on the outer mast rail under tilt bracket.

* This table indicates the information based on the authorized specifications by engineering dept.

SUPPORTING INFORMATION

SUPPORTING INFORMATION

Right angle (90°) stacking aisle

The right angle stacking aisle denotes the minimum width of an aisle in which a forklift truck is able to be loaded and unloaded after completing a 90-degree turn.

1. Counter balance type (4 wheels)

$$Ast = R_0 + Of + b + a$$

Where

Ast : Right angle stacking aisle

R_0 : Min. turning radius of forklift truck, outside

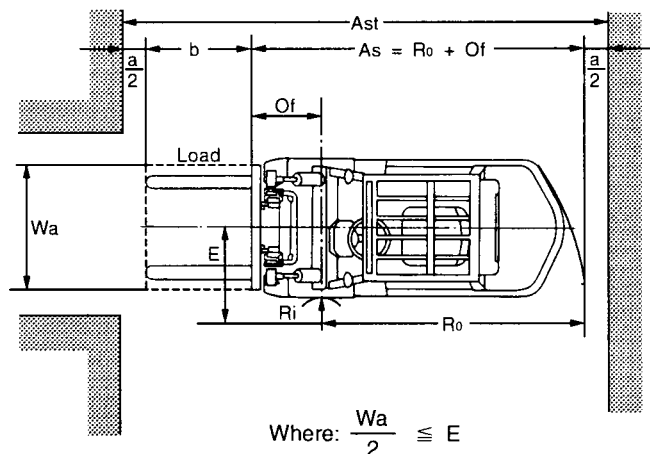
Of : Front overhang

b : Load length or pallet length

Wa : Load width or pallet width

E : Distance from center line of forklift truck to turning center

a : Clearance [Approx. 200 mm (7.87 in)]



- ① If $\frac{Wa}{2} > E$ and $R_0 > \frac{Wa}{2} + E$,
the Ast should be calculated by

$$Ast = R_0 + R_1 + a$$

$$= R_0 + \sqrt{(Of + b)^2 + \left(\frac{Wa}{2} - E\right)^2} + a$$

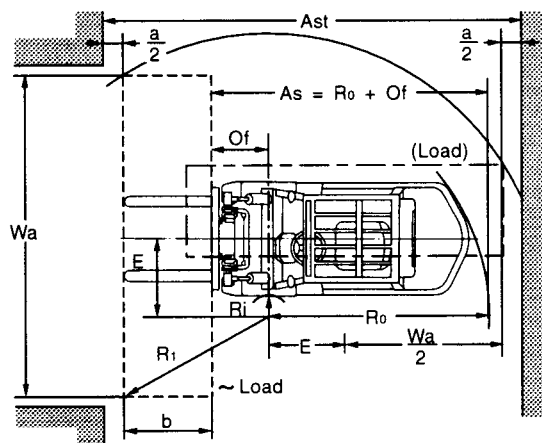
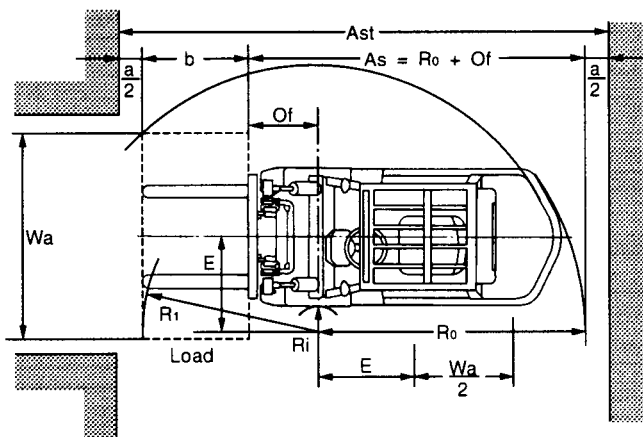
- ② If $\frac{Wa}{2} + E > R_0$,
the Ast should be calculated by

$$Ast = \frac{Wa}{2} + E + R_1 + a$$

$$= \frac{Wa}{2} + E + \sqrt{(Of + b)^2 + \left(\frac{Wa}{2} - E\right)^2} + a$$

Where

R_1 : Turning radius of load



2. Counter balance type (3 wheels)

$$\begin{aligned} Ast &= R_0 + R_1 + a \\ &= \sqrt{(Of + b)^2 + \left(\frac{Wa}{2}\right)^2} + a \end{aligned}$$

Where

Ast : Right angle stacking aisle

R_0 : Min. turning radius of forklift truck, outside

R_1 : Turning radius of load, front end

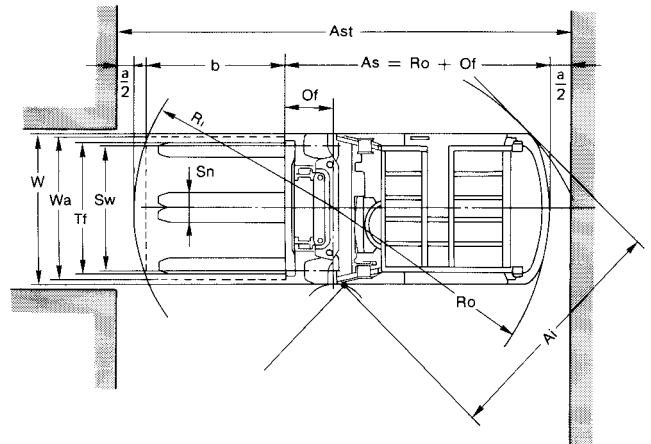
Of : Front overhang

b : Load length or pallet length

Wa : Load width or pallet width

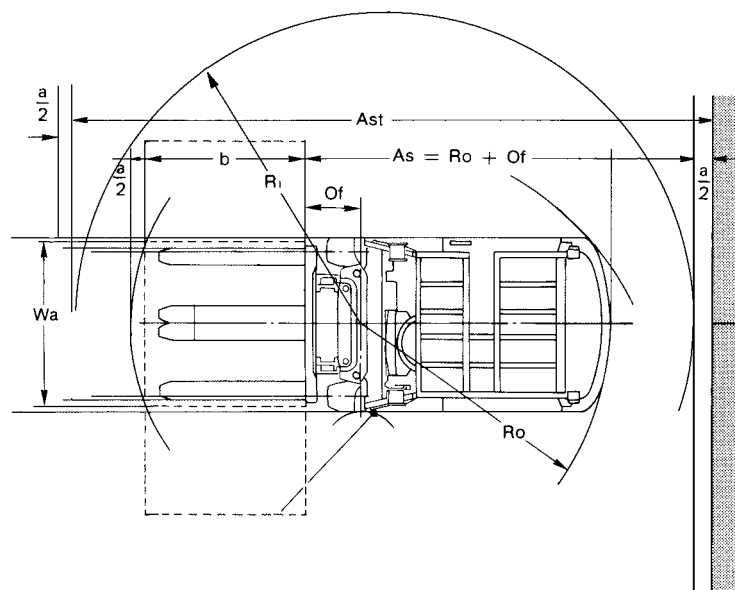
E : Distance from center line of forklift truck to turning center

a : Clearance [Approx. 200 mm (7.87 in)]



① If $R_0 < R_1$ [$= \sqrt{(Of + b)^2 + \left(\frac{Wa}{2}\right)^2}$], the Ast should be calculated by

$$\begin{aligned} Ast &= R_0 + R_1 + a \\ &= 2\sqrt{(Of + b)^2 + \left(\frac{Wa}{2}\right)^2} + a \end{aligned}$$



SUPPORTING INFORMATION

3. Reach type

$$\begin{aligned} Ast &= R_0 + R_1 + a \\ &= R_0 + \sqrt{\{b - (R - Of)\}^2 + \left(\frac{Wa}{2}\right)^2} + a \end{aligned}$$

Where

Ast : Right angle stacking aisle

R_0 : Min. turning radius of forklift truck, outside

R_1 : Turning radius of load, front end

R_2 : Turning radius of load, rear end

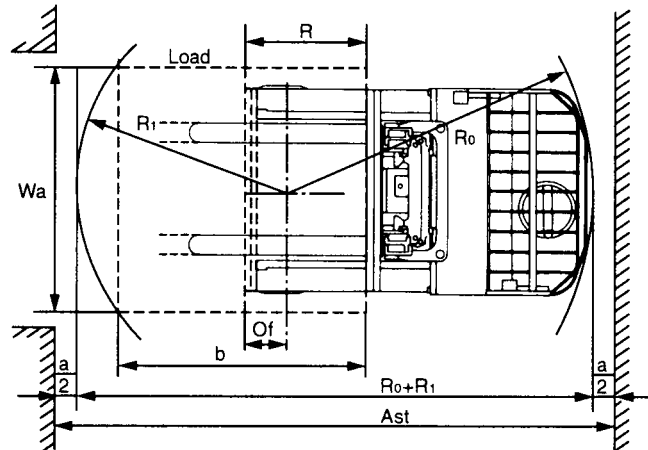
Of : Front overhang

b : Load length or pallet length

W : Load width or pallet width

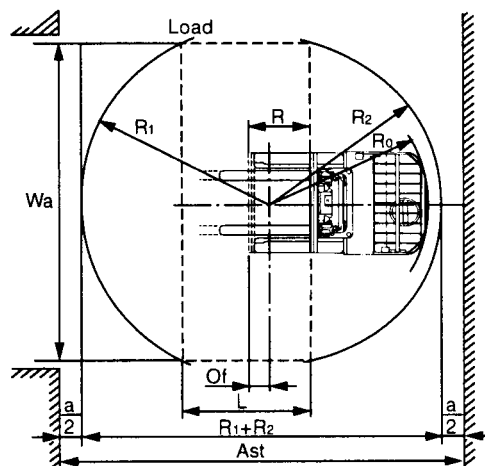
a : Clearance [Approx. 200 mm (7.87 in)]

R : Reach stroke



① If $R_0 < R_2$ [$= \sqrt{(R - Of)^2 + \left(\frac{Wa}{2}\right)^2}$], the Ast should be calculated by

$$\begin{aligned} Ast &= R_1 + R_2 + a \\ &= \sqrt{(R - Of)^2 + \left(\frac{Wa}{2}\right)^2} + \sqrt{\{b - (R - Of)\}^2 + \left(\frac{Wa}{2}\right)^2} + a \end{aligned}$$



Conversion formula

1kW = 1.34102HP

1kW = 1.35962PS

The figure should be rounded off to the first decimal place.