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- Features and specifications may vary depending on markets.
- Performance data and dimensions are nominal and subject to tolerances.

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Distributor:

Version 2.0/2025/06

TEU

Efficient Forklift
EFFO FD/G Series 15-40
Counter Balanced Forklift



Three Features



1 Cleaner, more efficient Engines

New engines, compliant with worldwide emission regulations.

2 Easy Maintenance

Detachable side covers for convenient inspection and simple maintenance. Integral layout of electrical parts and other system devices.



3 Easier entry and exit from an extra-wide step

The secure step with enlarged foot space enables greater comfort and less fatigue while entering and exiting the vehicle.

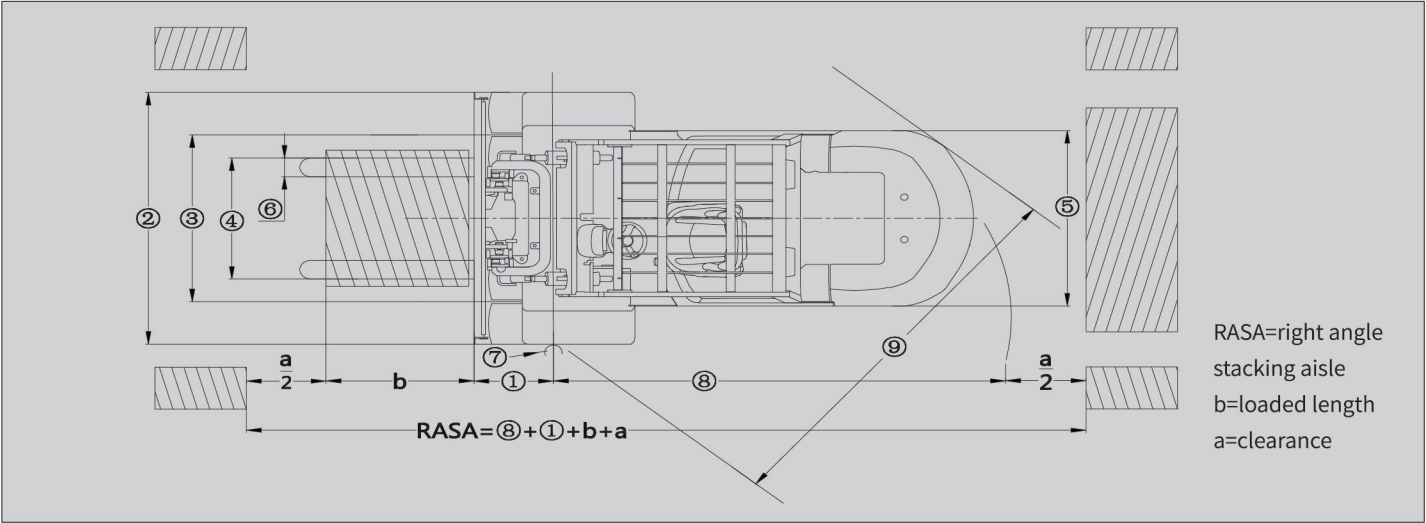
Main Truck Specifications

Specifications	1	Manufacturer			TEU														
	2	Model			Power shift T/M	FD/G15T		FD/G18T		FD/G20T		FD/G25T		FD/G30T		FD/G35T		FD/G40T	
	3	Load capacity			kg	1500		1750		2000		2500		3000		3500		4000	
	4	Load center			mm	500				500				500				500	
	5	Power mode				Diesel/gasoline/lpg				Diesel/gasoline/lpg				Diesel/gasoline/lpg				Diesel/gasoline/lpg	
	6	Operator type				Driver / seat				Driver / seat				Driver / seat				Driver / seat	
	7	Tire type	Front / rear			Pneumatic				Pneumatic				Pneumatic				Pneumatic	
	8	Wheels	Front / rear			2/2				2/2				2/2				2/2	
Dimensions	9	Max.lifting height			mm	3000				3000				3000				3000	
	10	Free lift			mm	155				160				150				150	
	11	Fork size	L×W×T		mm	920X100X35				1070X122X40				1070×125×45		1070×125×50		1070×150×50	
	12	Tilt angle	Forward/backward		deg	6/12				6/12				6/12				6/12	
	13	Overall length(without fork)			mm	2220		2250		2460		2530		2705		2760		2870	
	14	Total width			mm	1070				1150				1225		1285		1345	
	15	Mast height(fork lowering)			mm	1995				1995				2075				2075	
	16	Overall height fork raised			mm	4045				4030				4250				4250	
	17	Height of head guard			mm	2110				2120				2140				2140	
	18	Turning raduis(outside)			mm	2040		2070		2170		2240		2445		2495		2530	
	19	Load distance			mm	404		404		466		466		480		485		485	
	20	Right angle stacking aisle(not add load length & clearance)			mm	2435		2465		2615		2690		2925		2980		3015	
Performance	21	Speed	Travelling	Full load	km/h	17		18		18		18		18		16.5			
	No load			km/h	18		19		19		18								
	Lifting		Full load	mm/s	680		650		550		450		380						
			No load	mm/s	710		580		500		480								
	Lowering		Full load	mm/s	370		350		450		450		450						
			No load	mm/s	530		550		450		420		420						
24	Max.drawbar pull	Power shift T/M	Full/no load	kg	1130/690		1670/830		1670/830		1500/1000		2100/1000		2200/1000				
25	Gradeability at 1.6km/h	Power shift T/M	Full/no load	%	21/18		18/16		27/20		23/18		18/20		18/20				
Weights	26	Truck Weight			kg	2550		2780		3330		3670		4380		4780		5100	
	27	Weight distribution	Full load	Front	kg	3580		3950		4700		5410		6420		7300		7880	
	Rear			kg	470		560		630		760		870		890		1220		
	No load		Front	kg	1110		1070		1510		1430		1730		1870		1900		
			Rear	kg	1440		1710		1820		2240		2650		2910		3200		
Chassis & Wheels	29	Tires	Number	Front/Rear	2 / 2				2 / 2				2 / 2				2 / 2		
	Model		Front	6.50-10-10PR				7.00-12-12PR				28×9-15-12PR				250-15-16PR			
			Rear	5.00-8-10PR				6.00-9-10PR				6.50-10-10PR				6.50-10-10PR			
	32	Wheelbase			mm	1425				1600				1700				1800	
	33	Tread	Front	mm	890				970				1000		1060		1120		
			Rear	mm	895				970				970				970		
	34	Ground clearance	At lowest point(mast)		mm	110				110				120				120	
			Frame		mm	95				115				135				135	
	35	Brake	Service brake		Hydraulic-foot pedal				Hydraulic-foot pedal				Hydraulic-foot pedal				Hydraulic-foot pedal		
			Paking brake		Mechanical-hand lever				Mechanical-hand lever				Mechanical-hand lever				Mechanical-hand lever		
Drive Line	36	Battery		Voltage / capacity	V/AH	12/80				12/80									
	37	Fuel tank capacity			L	50				55									
	38	Transmission		Shift stage (front / rear-type)	Power shift T/M	1-1 power shift T/M				1-1 power shift T/M									
	39	Operating pressure		Hydraulic system pressure	kg/cm2	180				180									

Engine Model		NC485	C490BPG	A495BPG	A498BT1	C240	4JG2	S4S	K21	K25
Engine Brand		XinChai	XinChai	XinChai	QuanChai	ISUZU	ISUZU	MITSUBISHI	GCT	GCT
Rated power	kw/rpm	30/2600	40/2650	42/2650	36.8/2400	35.4/2500	44.9/2450	35.3/2250	31.2/2250	37.4/2300
Rated torque	N-m/rpm	131/1700-1900	162/1800-2000	174/1800-2000	186/1600-1800	139.9/1800	184.7/1700	177/1700	144/1600	177/1600
Number of cylinders		4	4	4	4	4	4	4	4	4
Displacement	L	2.3	2.7	3	3.2	2.369	3.059	3.331	2.065	2.488
Emission		China Stage II	China Stage II	China Stage II	EURO III A	EURO III A	China Stage II	EURO III A	—	—
Model		FD15/18T	FD15-35T	FD20-40T	FD20-40T	FD15-30T	FD20-40T	FD20-40T	FG15-35T	FG15-40T

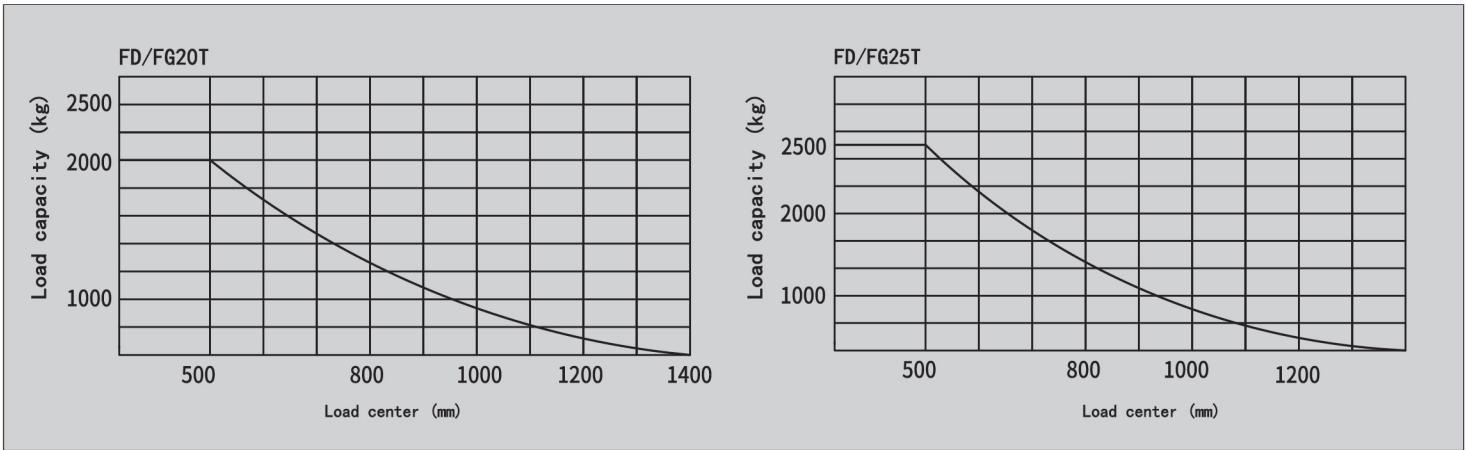
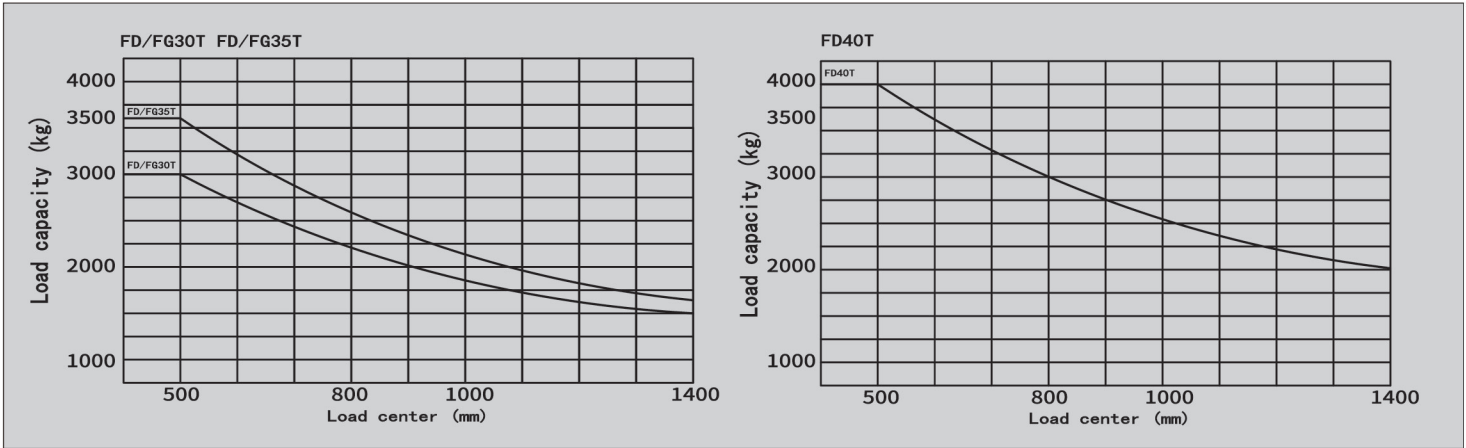
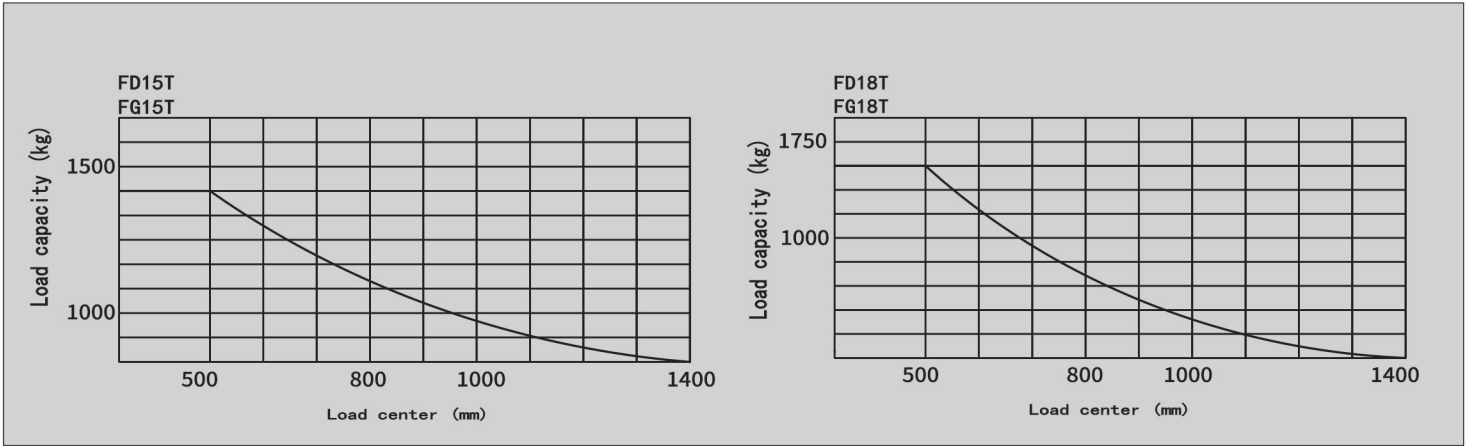
DIMENSIONS

Model		FD/FG15	FD/FG18	FD/FG20	FD/FG25	FD/FG30	FD/FG35	FD/FG40
		mm	mm	mm	mm	mm	mm	mm
1	Overall height fork raised(with backrest)	4045	4045	4030	4030	4250	4250	4250
2	Max. lifting height	3000	3000	3000	3000	3000	3000	3000
3	Mast height(fork lowered)	1995	1995	1995	1995	2075	2075	2150
4	Backrest height	1005	1005	1010	1010	1220	1220	1220
5	Free lift	155	155	160	160	150	150	150
6	Fork thickness	35	35	40	40	45	50	50
7	Ground clearance at lowest point(mast)	110	110	110	110	120	120	120
8	Overall length(with fork)	3205	3205	3530	3600	3775	3830	3940
9	Overall length(without fork)	2251	2281	2460	2530	2705	2760	2870
10	Fork length	920	920	1070	1070	1070	1070	1070
11	Fork front face to front axle	404	404	450	450	480	485	485
12	Wheel base	1425	1425	1600	1600	1700	1700	1800
13	Rear overhang	420	420	410	480	525	575	585
14	Traction pin center height	465	465	560	560	580	580	585
15	Height to head guard(from seat)	1040	1040	1000	1000	1000	1000	1000
16	Height of head guard	2110	2110	2120	2120	2140	2140	2140
17	Total width	1070	1070	1150	1150	1225	1285	1365
18	Fork spread(outside)	200 - 920	200 - 920	245 - 1020	245 - 1020	250 - 1090	250 - 1190	250 - 1190
19	Front truck	890	890	970	970	1000	1060	1120
20	Rear truck	900	900	970	970	970	970	970
21	Fork width	100	100	122	122	125	125	150
22	Turning radius(inside)	110	110	160	160	200	200	200
23	Turning radius(outside)	2040	2070	2170	2240	2445	2495	2530
24	Right angle turning aisle	1840	1870	1920	2010	2155	2205	2450
25	Tilt angle (mast forward/backward)	6°-12°	6°-12°	6°- 12°	6°- 12°	6°- 12°	6°- 12°	6°- 12°



Specifications(front single tires).

Model	FG/D15T(mm)	FG/D18T(mm)	FG/D20T (mm)	FG/D25T (mm)	FG/FD30T (mm)	FG/FD35T (mm)	FD40T(mm)
①Front Overhang	404	404	395	466	480	485	486
②Total Width	1070	1070	1070	1150	1225	1285	1345
③Front Track	890	890	890	970	1000	1060	1120
④Fork Spread(outside)	200~920	200~920	200~920	245~1020	250~1090	250~1190	250~1191
⑤Rear Track	895	895	900	970	970	970	971
⑥Fork Width	100	100	100	122	125	125	150
⑦Turning Radius(inside)	110	110	110	160	200	201	202
⑧Turning Radius(outside)	2040	2070	2040	2240	2445	2495	2560
⑨Right Angle Turning Aisle	1840	1870	1840	2010	2155	2205	2450



Standard equipments:

Wide view mast, Cyclone air cleaner With dust indicator, Load one-way valve, Preheat indicator, King Pin, Engine-start switch,Standard backrest, Long-life tires, Overhead guard, Oil and water separator, Power steering,Adjustable steering column, Radiator water tank, Side roller, Standard carriage.Oil temperature cooler, Headlamp and steering indicator lamp, Charge indicator lamp,Hour meter, Oil warning light of engine.Water temperature gauge, Fuel gauge, Reversing light, Electric horn, Neutral-safety switch,Paper file,Rear mirror, Tools, Reversing Buzzer, General seat.

Options:

Fire extinguisher, cab, Heater unit, Rear work light, Solid tires, Fireproof silencer, Upper exhaust pipe, Tilt cylinder jacket, Rotating warning light, LPG Conversion device, Pre-filtration air intake device.

Attachments:

Side shifter, Fork positioned, Carpet boom, Fork extension, Long fork, Flat clamp, Others.

Notes:

Vertical axis represents load capacity; Horizontal axis shows load center, Load center are determined from front face of the fork. Capacity based on a 1000mm cube load configuration with the center of gravity at the true center of the cube, and standard fork. The load capacity will be reduced while the mast tilt forward or loading with long fork or lifting transformable width of goods. Getting the load capacities at the various load centers timely via the load curve. TEU's products and specifications change without prior notice. TEU forklift truck has equipped with standard safety device. TEU is not responsible for the damage occurred by removing its safety device.

Wide view mast VM

Mast Model	Load center 500mm				Max. lift height	Mast height				Tilt angle	Weight			
	FD/G 15T	FD/G 18T	FD/G 20T	FD/G 25T		Fork lowered		Fork lift with backrest		Fwd-bwd	FD/G 15T	FD/G 18T	FD/G 20T	FD/G 25T
						mm		mm						
						Kg		Kg						
VM250	1500	1750	2000	2500	2500	1745	1770	3530	3555	6-12	2490	2710	3200	3540
VM270	1500	1750	2000	2500	2700	1845	1870	3730	3755	6-12	2505	2725	3215	3555
VM300	1500	1750	2000	2500	3000	1995	2020	4030	4055	6-12	2520	2740	3240	3580
VM330	1500	1750	2000	2500	3300	2145	2170	4330	4355	6-12	2540	2760	3265	3605
VM350	1500	1750	2000	2500	3500	2245	2270	4530	4555	6-12	2550	2770	3280	3620
VM375	1500	1650	2000	2500	3750	2370	2395	4780	4805	6-6 *6-12	2565	2785	3295	3635
VM400	1500	1650 *1750	2000	2500	4000	2545	2570	5030	5055	6-6 *6-12	2610	2830	3340	3680
VM425	1400 *1500	1500 *1750	1950 *2000	2450 *2500	4250	2670	2695	5280	5305	6-6 *6-12	2625	2845	3360	3700
VM450	1400 *1400	1500 *1650	1900 *1950	2150 *2450	4500	2795	2820	5530	5555	6-6 *6-12	2640	2860	3380	3720
VM475	1000 *1350	1000 *1500	1800 *1850	1850 *2350	4750	2920	2945	5780	5805	6-6 *6-12	2655	2875	3400	3740
VM500	1000 *1350	1000 *1500	1650 *1700	1700 *2250	5000	3045	3070	6030	6055	6-6 *6-12	2665	2885	3420	3760
VM550	*1100	*1300	*1500	*1700	5500	3345	3370	6530	6555	*3-6	2835	3055	3615	3955

2 Stage free lift mast VFM

Mast Model	Load center 500mm				Max. lift height	Mast height		Free lift with		Tilt angle	Weight			
	FD/G	FD/G	FD/G	FD/G		Fork lowered	Fork lift	backrest			Fwd-bwd	FD/G	FD/G	FD/G
	15T	18T	20T	25T		mm	with backrest	mm		15T		18T	20T	25T
	Kg		Kg			mm	mm	mm		deg		Kg		Kg
VFM250	1500	1750	2000	2500	2500	1745	20/25T	15/18T	20/25T	6-12	2550	2770	3260	3600
VFM270	1500	1750	2000	2500	2700	1845	3730	835	845	6-12	2560	2780	3275	3615
VFM300	1500	1750	2000	2500	3000	1995	4030	985	995	6-12	2580	2800	3305	3645
VFM330	1500	1750	2000	2500	3300	2145	4330	1135	1145	6-12	2605	2825	3330	3670
VFM350	1500	1750	2000	2500	3500	2245	4530	1235	1245	6-12	2615	2835	3345	3685

3 Stage free lift mast VFHM

Mast Model	Load center 500mm		Max. lift height	Mast height		Free lift with backrest	Tilt angle	Weight	
	FG/D15T	FG/D18T		Fork lowered	Fork lift with backrest		Fwd-bwd	FG15T	FG18T
	Kg	Kg	mm					mm	mm
	VFHM360	1400	1600	3600	1745	4360	735	6-6	2670
VFHM400	1400	1600	4000	1870	5030	860	6-6	2695	2915
VFHM435	1337 *1387	1537 *1587	4350	1995	5380	985	6-6 *6-6	2720	2940
VFHM450	1307 *1367	1487 *1567	4500	2000	5430	990	6-6	2725	2945
VFHM470	1287 *1337	1387 *1537	4700	2110	5730	1100	6-6 *6-6	2735	2955
VFHM500	1087 *1287	1137 *1487	5000	2245	6030	1235	6-6 *6-6	2765	2985
VFHM540	837 *1237	887 *1387	5400	2370	6430	1360	3-6 *3-6	2790	3010
VFHM600	487 *1087	487 *1237	6000	2595	7030	1585	3-6 *3-6	2860	3080

3 Stage free lift mast VFSM

Mast Model	Load center 500mm		Max. lift height	Mast height		Free lift with backrest	Tilt angle	Weight		
	FG/D 20T	FG/D 25T		Fork lowered	Fork lift with backrest			fwd-bwd	FG 20T	FG 25T
	Kg	Kg								
VFSM360	2000	2500	3600	1745	4630	745	6-6 6-6	3410	3750	
VFSM400	2000	2500	4000	1870	5030	870	6-6 *6-6	3445	3785	
VFSM435	1900 *2000	2200 *2400	4350	1995	5380	995	6-6	3475	3815	
VFSM450	1800 *1950	2050 *2350	4500	2045	5530	1045	6-6 *6-10	3485	3825	
VFSM470	1700 *1900	1900 *2300	4700	2110	5730	1110	6-6 *6-10	3500	3840	
VFSM500	1500 *1800	1600 *2250	5000	2245	6030	1245	6-6 *6-6	3535	3875	
VFSM540	1200 *1750	1300 *2150	5400	2370	6430	1370	3-6 *3-6	3565	3905	
VFSM600	900 *1650	950 *1800	6000	2595	7030	1595	3-6 *3-6	3655	3995	
VFSM650	*1500	*1550	6500	2810	7530	1810	*3-3	3835	4175	
VFSM700	*1250	*1250	7000	3030	8030	2030	*3-3	3885	4225	

Wide view mast VM

Mast Model	Load center 500mm			Max. lift height	Mast height		Fork lift with backrest	Tilt angle fwd-bwd	Weight		
					Fork lowered						
	FG/D 30	FG/D 35	FD 40		FG/D 30.35	FD 40			FG/D 30	FG/D 35	FD 40
	kg	kg	kg		mm	mm			mm	mm	deg
VM250	3000	3500	4000	2500	1825	1900	3750	6-12	4270	4650	5050
VM270	3000	3500	4000	2700	1925	2000	3950	6-12	4285	4670	5070
VM300	3000	3500	4000	3000	2075	2150	4250	6-12	4300	4700	5100
VM330	3000	3500	4000	3300	2225	2300	4550	6-12	4335	4730	5130
VM350	3000	3500	4000	3500	2325	2400	4750	6-12	4350	4750	5150
VM366	3000	3500	4000	3660	2405	/	4916	6-12	4362	4766	/
VM400	3000	3500	4000	4000	2625	2700	5250	6-6 *6-12	4430	4835	5235
VM450	2900 *3000	3000 *3500	3400 *4000	4500	2875	2950	5750	6-6 *6-12	4470	4880	5275
VM500	2700 *2850	2800 *3300	3200 *3700	5000	3125	3200	6250	6-6 *6-6	4515	4930	5320
VM550	*2400	*2700	*3100	5500	3425	3500	6750	*3-6	4740	5160	5545
VM600	*2000	*2300	*2700	6000	3675	3750	7250	*3-6	4780	5205	5585

2 Stage free lift mast VFM

Mast Model	Load center 500mm			Max. lift height	Mast height			Free lift with backrest	Tilt angle fwd-bwd	Weight		
					Fork lowered		Fork lift with backrest					
	FG/D 30	FG/D 35	FD 40		FG/D 30.35	FD 40						
	kg	kg	kg		mm	mm	mm			mm	mm	deg
VFM250	3000	3500	4000	2500	1825	1875	3760	600	6-12	4330	4720	4970
VFM270	3000	3500	4000	2700	1925	1975	3960	700	6-12	4350	4740	4990
VFM300	3000	3500	4000	3000	2075	2125	4260	850	6-12	4380	4770	5020
VFM330	3000	3500	4000	3300	2225	2275	4560	1000	6-12	4405	4795	5045
VFM350	3000	3500	4000	3500	2325	2375	4760	1100	6-12	4425	4815	5065
VFM400	3000	3500	4000	4000	2625	2675	5360	1400	6-6	4485	4875	5125

3 Stage free lift mast VFSM

Mast Model	Load center 500mm			Max. lift height	Mast height			Free lift with backrest	Tilt angle fwd-bwd	Weight		
					Fork lowered		Fork lift with backrest					
	FG/D 30	FG/D 35	FD 40		FG/D30.35	FD 40				FG/D 30	FG/D 35	FD 40
	kg	kg	kg		mm	mm	mm			mm	mm	deg
VFSM360	3000	3500	4000	3600	1825	1825	4860	600	6-6 *6-10	4490	4880	5130
VFSM400	3000	3500	4000	4000	1950	1950	5260	725	6-6 *6-10	4525	4915	5165
VFSM435	2900 *3000	3200 *3500	3650 *4000	4350	2075	2075	5660	850	6-6 *6-10	4560	4950	5200
VFSM450	2850 *3000	3100 *3500	3540 *4000	4500	2150	2150	5760	925	6-6 *6-10	4575	4970	5220
VFSM470	2800 *2900	2900 *3400	3310 *3880	4700	2190	2190	5960	965	6-6 *6-10	4585	4975	5225
VFSM500	2600 *2750	2800 *3100	3200 *3540	5000	2325	2325	6260	1100	6-6 *6-10	4625	5015	5265
VFSM550	1900 *2650	2000 *2700	2280 *3085	5500	2460	2460	6760	1250	3-6 *6-6	4675	5050	5300
VFSM600	1400 *2100	1500 *2300	1700 *2630	6000	2675	2675	7260	1450	3-6 *6-6	4750	5140	5390
VFSM650	*1700	*1800	*1940	*6500	2890	2890	7760	1665	*3-3	4965	5350	5600
VFSM700	*1350	*1450	*1540	*7000	3110	3110	8260	1885	*3-3	5250	5410	5660

Notes: the mark of * stands for dual front air tires