Efficient Forklift
EFFO17

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TEU

Efficient Forklift
EFFO17



Engine-Powered Forklift Trucks

1.5-4.0 ton

(Counter-Balanced Type)



1.5 ton
FG15T
FD15T

1.8 ton
FG18T
FD18T

2.0 ton
FG20T
FD20T

2.5 ton
FG25T
FD25T

3.0 ton
FG30T
FD30T

3.5 ton
FG35T
FD35T

4.0 ton
FG40T
FD40T

Efficient Forklift

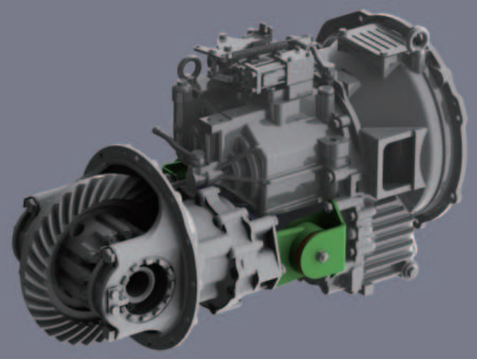
EFFO17

Second to None,Revolutionary Forklift Trucks Freshly Debuted

Succeeding TEU's traditional product concepts of superb performance and quality, we hereby announce a new type of forklift truck, offering incomparable ruggedness and operator-friendly features. It's the newly debuted EFFO17 .

TEU has fully upgraded and redesigned EFFO17 for easier access,greater comfort, improved maneuverability. assrued safety,and longer durability,Thanks to TEU's outstanding technological expertise and strengths, the EFFO17 forklift truck achieves optimum performance for its class while providing outstanding comfort and safety.

ENHANCED OPERATOR COMFORT



Substantially reduced vibration by adopting dual-floating systems for both the engine and hood

Minimizes the transfer of vibration to the operator,with four-point rubber cushion absorbers between the seat and engine and its transmission. Moreover,use of the same four-point suspension adopted in the hood, realizing a dual effect in reducing vehicle vibrations.

(Option)



Reliable parking lever

Parking lever with lock-up switch improved the reliability of parking brake and reduced the intensity of operation meanwhile.





Expansive floor space for easier foot maneuvering

An amazing 45% increase in floor space by placing tilt cylinders under the floor. This gives a smooth footwell in addition to easy entry and exit.



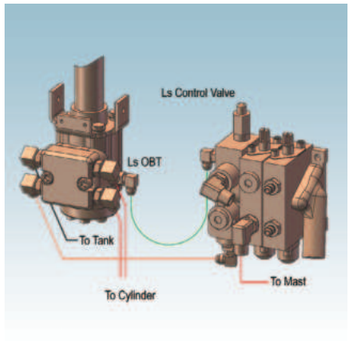
Easier entry and exit from an extra-wide step –– 55% wider

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

Multifunctional supension seat

Features include reinforced driver support, reduced vibration,operator weight balance adjusting,forward and backward reclining,a rear utility pocket,and seat belt.

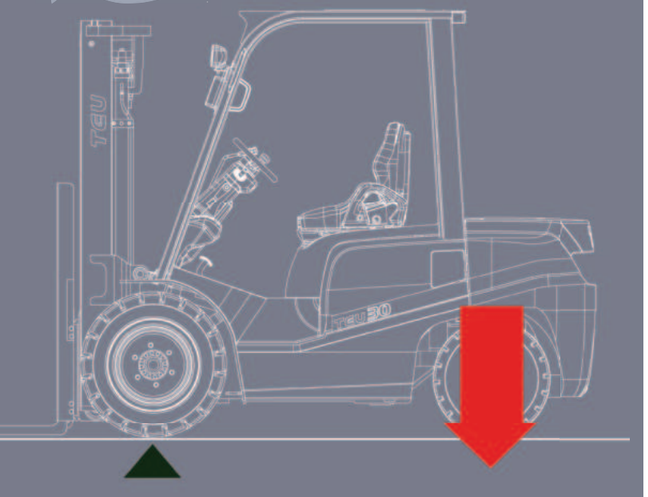
(Option)



Effective hydraulic system

With load-sense OBT and multi-valves,the flow of hydraulic system is controlled more accurately and the working efficiency improved greatly. (Option)

SUPERIOR MANEUVERABILITY AND ASSURED SAFETY



5% improved front and rear stability ratio

Stable and more consistent cargo handling as well as travel due to an improved stability ratio.



Reduced fatigue due to a semi-circular steering wheel

A smaller diameter (300mm outer diameter) steering wheel gives improved vehicle maneuverability. In addition,this compact steering wheel makes it much easier to get on and off the truck.





Meter panel optimally located to the right of the driver's seat

The meter panel is located on the top right side of the dashboard for easier readability by the operator.



Wider forward visibility

The lowered dashboard along with the wide view mast (VM), provide the excellent forward view and improve the operation safety .



Single-piece headguard

The front and rear pillars as well as roof are all welded together in a single-piece construction to give additional strength to the entire structure.



Security upgrade----lighting system

The blue light, projects blue spot onto the ground to warn the man behind the forklift, improved the operation safety especially in the narrow and sheltered workplace.

(Option)



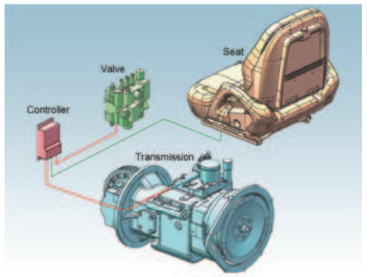
Neutral safety mechanism

This feature enhances safety of operation. The engine cannot be started unless the change level is in the neutral position.



High-mounted rear combination lights

The brake lights are easily visible at the top of the overhead guard.



Operator Presence System

OPS , which uses a sensor in the operator 's seat to defect the presence of the operator. Once the operator leaves the seat for seconds the forklift cannot move and the load-handling controls are disabled, which prevented the accidents.

(Option)



Meter panel with LED indicators

The LED has a longer life and is easy to read even during daylight shift operation.

EASY MAINTENANCE AND ENVIRONMENT FRIENDLINESS





Detachable side covers for convenient inspection and simple maintenance

Inspection and maintenance can be more easily performed due to one-touch detachable side covers and a wide-opening hood.

Integral layout of electrical parts and other system devices

Maintenance inspections can be performed more easily,as electrical parts such as the fuse box,relay,and battery are neatly integrated into a conveniently compact area.



Matched with many engines

KUBOTA, ISUZU, MITSUBISHI,YANMAR and NISSAN diesel & gasoline motors as options.For more details, please contact with the local sales representative.



One-piece floorboard

Gives more convenient inspection and easier maintenance,as the one-piece floorboard unit is easily detachable without using any tools.



The aesthetic and practical electrical switch as option

With the integral layout type of electric switch, the operation more convenient .



Cup holder

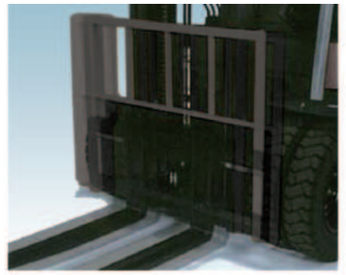
Convenient for keeping cups, pens,and other small items.

OPTIONAL EQUIPMENT



LPG exclusive/Dual fuel

(LPG/gasoline)package



Integral side shifter

The integral side shifter has been improved to diliver maximum load capacity, maximum fork visibility,and smooth,dependable operation.



Humanized OPS system

OPS can set the delay lock time and engine off or on depending on to the customers' requirements.



Pre-cleaner engine air intake



Overhead exhaust system



Front double tires



Rotating warning light



Rear working light



LED lights



Head light guard



Spherical rear mirror



Rear grab handle with horn switch

TEU offers personalized customized solutions ,various optional items and attachments for customers. For more details please contact us

Main Truck Specifications

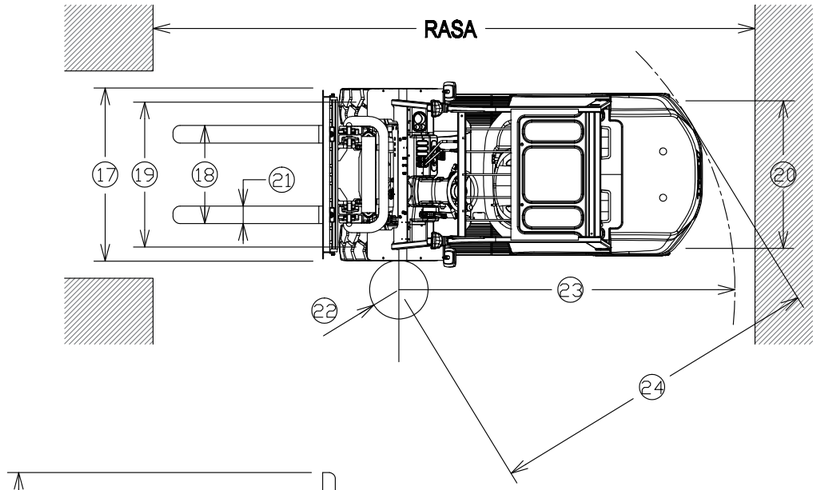
Specifications	1	Manufacturer				TEU											
	2	Model			Power shift T/M	FD/G15T	FD/G18T	FD/G20T	FD/G25T	FD/G30T	FD/G35T	FD/G40T
	3	Load capacity			kg	1500	1750	2000	2500	3000	3500	4000
	4	Load center			mm	500		500		500		500
	5	Power mode				Diesel/gasoline/lpg		Diesel/gasoline/lpg		Diesel/gasoline/lpg		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		16.5
				No load	km/h	18		19		19		18
	22		Lifting	Full load	mm/s	680	650	550		450		380
				No load	mm/s	710		580		500		480
	23		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	Gradeabillty 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
	28		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
	30		Model	Front		6.50-10-10PR		7.00-12-12PR		28×9-15-12PR		250-15-16PR
	31			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 clearence	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		C240	4JG2	V2403-E3B	V2403-TE5B	S4S	4EG	4TNE98	L4CRTV	3E22YG51	K21	K25	WG2503	PSI 2.4	NC485	C490BPG	A495BPG	A498BT1
Engine Brand		ISUZU	ISUZU	Kubota	Kubota	MITSUBISHI	MITSUBISHI	YANMAR	Korea-LS	XinChai	GCT	GCT	Kubota	PSI	XinChai	XinChai	XinChai	QuanChai
Rated power	kw/rpm	35.4/2500	44.9/2450	33.6/2400	43.2/2400	35.3/2250	36/2250	43.7/2300	42/2300	44.8/2400	31.2/2250	37.4/2300	42.8/2600	46/2700	30/2600	40/2650	42/2650	36.8/2400
Rated torque	N-m/rpm	139.9/1800	184.7/1700	153.6/1600	198.5/1500	177/1700	177/1800	177.6/1700	210/1600	210/1600-1800	144/1600	177/1600	163.3/1800	168/1600	131/1700-1900	162/1800-2000	174/1800-2000	186/1600-1800
Number of cylinders		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Displacement	L	2.369	3.059	2.4	2.4	3.331	3.331	3.319	2.505	2.23	2.065	2.488	2.5	2.4	2.3	2.7	3	3.2
Emission		EURO III A	China Stage II	EURO III A	EURO V / T4F	EURO III A	EPA / T4F	EURO III A	EURO V / T4F	EURO V	—	—	EPA / EURO V	EPA	China Stage II	China Stage II	China Stage II	EURO III A
Model		FD15-30T	FD20-40T	FD15-30T	FD20-40T	FD20-40T	FD20-40T	FD20-40T	FD20-40T	FD20-40T	FG15-35T	FG15-40T	FG20-40T	FG20-40T	FD15/18T	FD15-35T	FD20-40T	FD20-40T

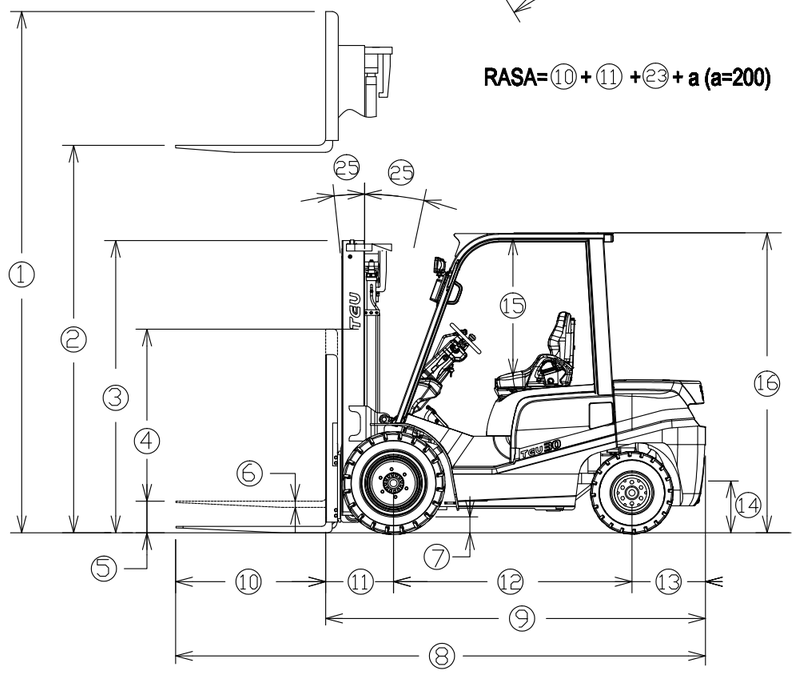
Note: Chinese engines are only suitable for EFFO series models(except for Xinchai 3E22YGS1 EU V engine).Details of EFFO series, consult with TEU sales representative please.

DIMENSIONS

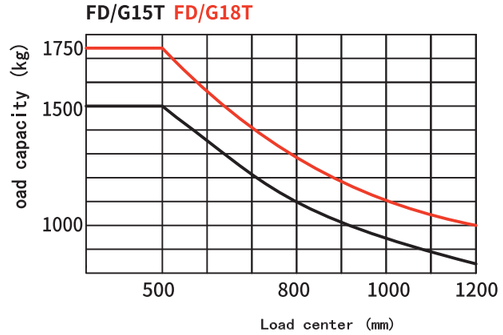
	Model	FD/FG15	FD/FG18	FD/FG20	FD/FG25	FD/FG30	FD/FG35	FD/FG40
		mm	mm	mm	mm	mm	mm	mm
1	Overall height fork raised(with backrest)	4045	4045	4030	4030	4250	4250	4250
2	Max. lifting height	3000	3000	3000	3000	3000	3000	3000
3	Mast height(fork lowered)	1995	1995	1995	1995	2075	2075	2150
4	Backrest height	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°



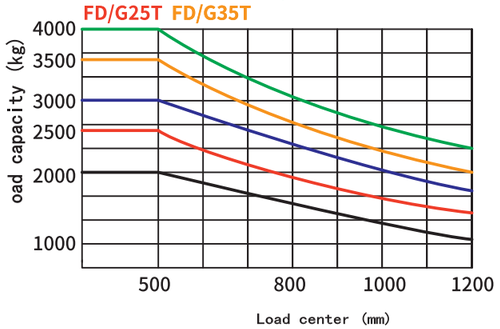
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FD/G15T FD/G18T



FD/G20T FD/G30T FD/G40T
FD/G25T FD/G35T



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
	Kg		Kg			mm		mm			Kg		Kg	
					mm	15/18T	20/25T	15/18T	20/25T	deg				
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 backrest		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
	Kg		Kg			mm	mm	mm			Kg		Kg	
					mm	15/18T	20/25T	15/18T	20/25T	deg				
VFM250	1500	1750	2000	2500	2500	1745	3530	735	745	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	mm	deg	kg	kg
VFHM360	1400	1600	3600	1745	4360	735	6-6	2670	2890
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	mm	mm	mm	mm	deg	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		
	FG/D 30	FG/D 35	FD 40		Fork lowered				FG/D 30	FG/D 35	FD 40
	kg	kg	kg	mm	FG/D30.35 mm	FD 40 mm	mm	deg	kg	kg	kg
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		Fork lift with backrest	Free lift with backrest	Tilt angle fwd-bwd	Weight		
	FG/D 30	FG/D 35	FD 40		Fork lowered					FG/D 30	FG/D 35	FD 40
	kg	kg	kg	mm	FG/D30.35 mm	FD 40 mm	mm	mm	deg	kg	kg	kg
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		Fork lift with backrest	Free lift with backrest	Tilt angle fwd-bwd	Weight		
	FG/D 30	FG/D 35	FD 40		Fork lowered					FG/D 30	FG/D 35	FD 40
	kg	kg	kg	mm	FG/D30.35 mm	FD 40 mm	mm	mm	deg	kg	kg	kg
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