

TEU

Efficient Forklift
EFFO17

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EFFO17



Engine-Powered Forklift Trucks

1.5-4.0 ton

(Counter-Balanced Type)

- TEU retains the right to change these products and specifications without incurring any obligation relating to such changes.
- These products and specifications are subject to change without notice.
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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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	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

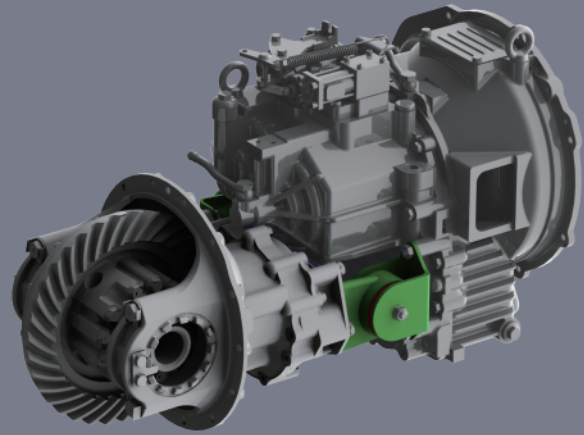
Efficient Forklift

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, assured 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.



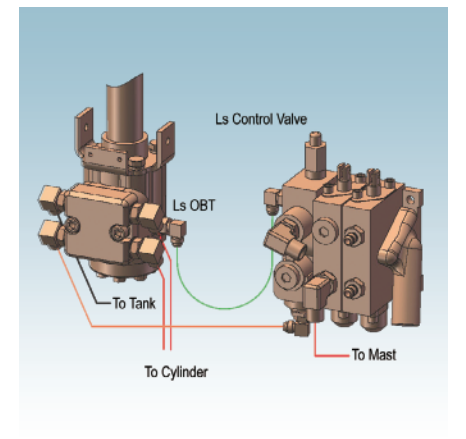
Easier entry and exit from an extra-wide step — 55% wider

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



Multifunctional suspension seat

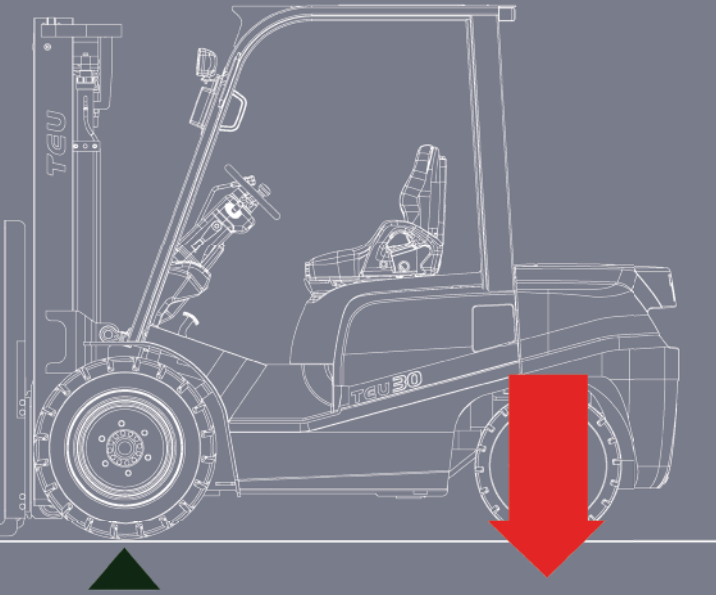
Features include reinforced driver support, reduced vibration, operator weight balance adjusting, forward and backward reclining, a rear utility pocket, and seat belt.
(Option)



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)

UPERIOR 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.



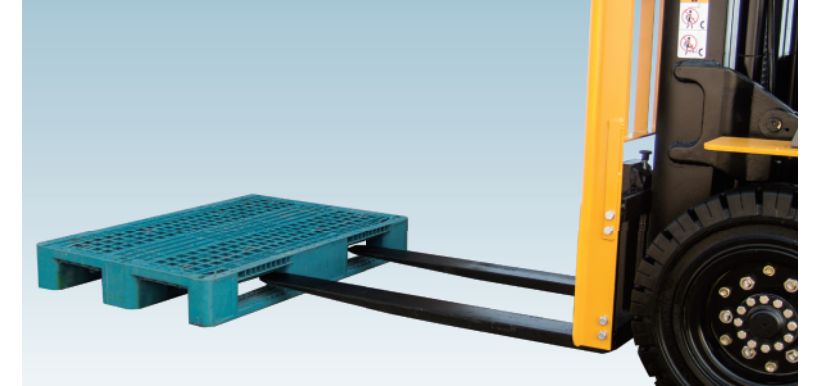
Reduced fatigue due to a semi-circular steering wheel

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)



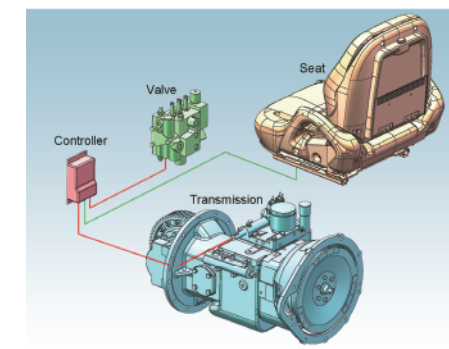
Neutral safety mechanism

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 detect 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.



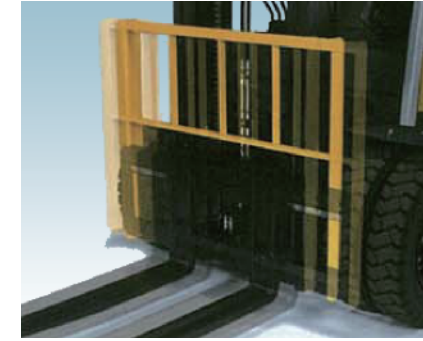
Cup holder

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 deliver 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

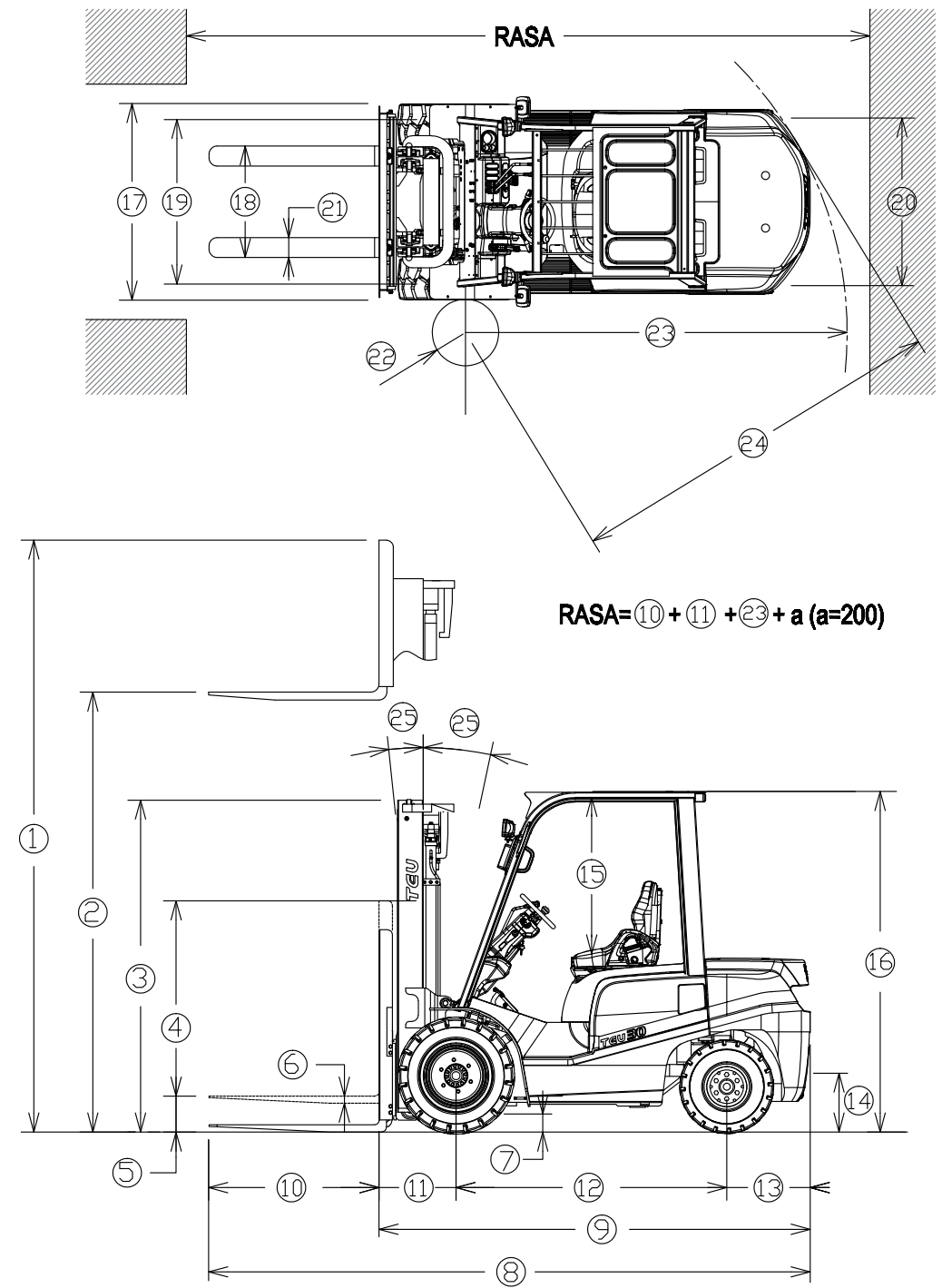
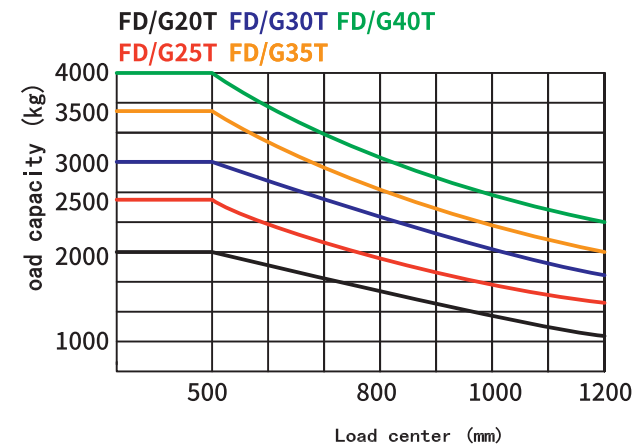
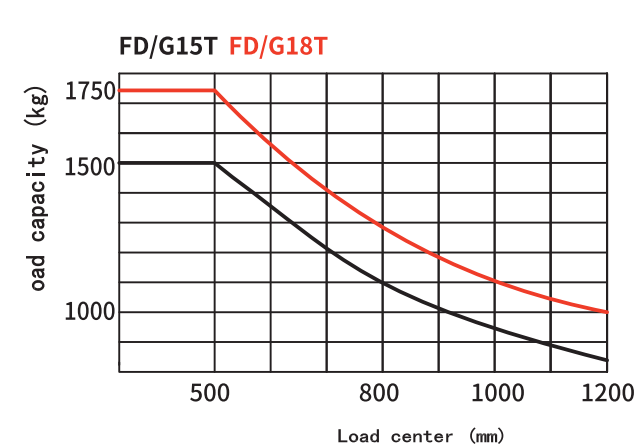
Specifications	1	Manufacturer			TEU																
	2	Model			Power shift T/M	FD/G15T		FD/G18T		FD/G20T		FD/G25T		FD/G30T		FD/G35T		FD/G40T			
	3	Load capacity			kg	1500		1750		2000		2500		3000		3500		4000			
	4	Load center			mm	500				500				500				500			
	5	Power mode				Diesel/gasoline/lpg				Diesel/gasoline/lpg				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				
	Lifting		Full load	mm/s	680		650		550		450		450		380						
			No load	mm/s	710		580		580		500		480								
	Lowering		Full load	mm/s	370		350		450		450		450		450						
			No load	mm/s	530		550		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 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	EURO III A	EURO III A	EURO V / T4F	EURO III A	EPA / T4F	EURO III A	EURO V / T4F	EURO V	—	—	EPA	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 3E22YG51 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°



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								
	Kg		Kg			mm	15/18T	20/25T	15/18T	20/25T	deg	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 15T	FD/G 18T	FD/G 20T	FD/G 25T		Fork lowered mm	Fork lift with backrest mm	backrest			Fwd-bwd	FD/G 15T	FD/G 18T	FD/G 20T	FD/G 25T
								mm							
								mm	mm						
	Kg		Kg		mm	15/18T	20/25T	15/18T	20/25T	deg	Kg		Kg		
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	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	deg	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/D30.35	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/D30.35	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