

TCM

Innovative Machine
INOMA



Engine-Powered Forklift Trucks

1.5-1.8 ton

(Counter-Balanced Type)

SPECIFICATIONS

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer				Mitsubishi Logisnext			
	2 Model				FG15C13	FG15T13		
	3 Load Capacity			kg	1500			
	4 Load Center			mm	500			
	5 Power Type				Gasoline			
	6 Operator Position				Seated			
	7 Tire Type		Front / Rear		Pneumatic			
	8 Wheels (x = driven)		Front / Rear		2X / 2			
Dimensions	9 Maximum Fork Height			mm	3000			
	10 Free Lift			mm	155			
	13 Fork Size		L × W × T	mm	920 × 100 × 35			
	Fork Spread (Outside)		Max. / Min.	mm	920 / 200			
	14 Tilt Angle		Fwd. / Bwd.	deg	6 / 12			
	15 Length to Fork Face			mm	2245			
	16 Overall Width			mm	1070			
	17 Mast Height Fork Lowered			mm	1995			
	18 Mast Height Fork Raised			mm	4030			
	19 Overhead Guard Height(EXB,EXC,EXK)			mm	2070			
	Overhead Guard Height(EXE,EXN)			mm	2130			
	20 Operator's Seat Height			mm	1015			
	21 Turning Radius (Outside)			mm	1980			
	22 Load Distance (Centerline of front axle to front face of forks)			mm	395			
	Rear Overhang			mm	425			
	23 Basic Right Angle Stacking Aisle Width			mm	3495			
	Performance	24		Travel, Max. (Fwd. / Rvs.)	Full Load	km/h	14.0 / 14.0	
					No Load	km/h	14.5 / 14.5	
Lifting				Full Load	mm/sec	590		
				No Load	mm/sec	670		
26		Lowering	Full Load	mm/sec	450			
			No Load	mm/sec	550			
28 Max. Drawbar Pull			Full Load	kN	9.3	14.5		
			No Load	kN	6.9			
Weight	33 Weight Distribution		Full Load	Front	kg	3510		
				Rear	kg	500		
				No Load	Front	kg	1070	
					Rear	kg	1440	
Chassis & Wheels	35		Number	Front / Rear		2 / 2		
	36 Tires		Size	Front		6.50-10-10PR		
				Rear		5.00-8-8PR		
	38 Wheelbase			mm	1425			
	39 Tread			Front	mm	890		
				Rear	mm	920		
	Backrest Height			mm	1000			
	Overhead Guard Clearance			mm	1035			
Engine & Transmission	Counterweight Height			mm	1110			
	Drawbar Pin Center Height			mm	495			
	Step Height / Floor Height			mm	420 / 650			
	40 Underclearance		Min. with Load	mm	105			
	41		Center of Wheelbase	mm	105			
	42 Brake		Service (Foot)		Hydraulic-Foot pedal			
	43		Parking		Mechanical-Hand lever			
	45 Battery		Voltage / Capacity (5HR)	V/AH	12 / 28			
	49		Make / Model		GCT / GK15			
	50		Rated Horsepower / r.p.m.	kW	25.0 / 2400			
51		Rated Torque / r.p.m.	N-m	110.2 / 1600				
Internal Combustion Engine		Number of Cylinder			4			
		Piston Displacement		cc	1486			
		Alternator output		kW/Amp	0.60 / 50			
		Fuel Tank Capacity Type		liter	50			
55 Transmission		Type			Manual	Power-shift		
		Stage	Fwd.-Rvs.		2-2	1-1		
57 Operating Pressure		For Attachments		MPa	17.7			

NOTE : * Computed values.

Mitsubishi Logisnext					
FG18C13	FG18T13	FHG15C3	FHG15T3	FHG18C3	FHG18T3
1750		1500		1750	
500		500		500	
Gasoline		Gasoline		Gasoline	
Seated		Seated		Seated	
Pneumatic		Pneumatic		Pneumatic	
2X / 2		2X / 2		2X / 2	
3000		3000		3000	
155		155		155	
920 × 100 × 35		920 × 100 × 35		920 × 100 × 35	
920 / 200		920 / 200		920 / 200	
6 / 12		6 / 12		6 / 12	
2275		2245		2275	
1100		1070		1100	
1995		1995		1995	
4030		4030		4030	
2070		2070		2070	
2130		2130		2130	
1015		1045		1045	
2010		1980		2010	
395		395		395	
455		425		455	
3525		3495		3525	
14.0 / 14.0		18.5 / 18.5	19.0 / 19.0	18.5 / 18.5	19.0 / 19.0
14.5 / 14.5		19.0 / 19.0	19.5 / 19.5	19.0 / 19.0	19.5 / 19.5
590		600		600	
670		680		680	
450		450		450	
550		550		550	
9.3	14.5	12.7	15.7	12.7	15.7
6.9		6.9		6.9	
20	24	25	33	22	31
18	17	18		18	17
2670		2510		2670	
3880		3510		3880	
540		500		540	
1030		1070		1030	
1640		1440		1640	
2 / 2		2 / 2		2 / 2	
6.50-10-10PR		6.50-10-10PR		6.50-10-10PR	
5.00-8-8PR		5.00-8-8PR		5.00-8-8PR	
1425		1425		1425	
920		890		920	
920		920		920	
1000		1000		1000	
1035		1005		1005	
1110		1110		1110	
495		495		495	
420 / 650		420 / 650		420 / 650	
105		105		105	
105		105		105	
Hydraulic-Foot pedal		Hydraulic-Foot pedal		Hydraulic-Foot pedal	
Mechanical-Hand lever		Mechanical-Hand lever		Mechanical-Hand lever	
12 / 28		12 / 28		12 / 28	
GCT / GK15		GCT / GK21		GCT / GK21	
25.0 / 2400		34.6 / 2250		34.6 / 2250	
110.2 / 1600		153.5 / 1600		153.5 / 1600	
4		4		4	
1486		2065		2065	
0.60 / 50		0.60 / 50		0.60 / 50	
50		50		50	
Manual	Power-shift	Manual	Power-shift	Manual	Power-shift
2-2	1-1	2-2	1-1	2-2	1-1
17.7		17.7		17.7	

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer				Mitsubishi Logisnext			
	2 Model				FD15T14	FD18T14		
	3 Load Capacity			kg	1500	1750		
	4 Load Center			mm	500	500		
	5 Power Type				Diesel	Diesel		
	6 Operator Position				Seated	Seated		
	7 Tire Type		Front / Rear		Pneumatic	Pneumatic		
	8 Wheels (x = driven)		Front / Rear		2X / 2	2X / 2		
Dimensions	9 Maximum Fork Height			mm	3000	3000		
	10 Free Lift			mm	155	155		
	13 Fork Size		L × W × T	mm	920 × 100 × 35	920 × 100 × 35		
	Fork Spread (Outside)		Max. / Min.	mm	920 / 200	920 / 200		
	14 Tilt Angle		Fwd. / Bwd.	deg	6 / 12	6 / 12		
	15 Length to Fork Face			mm	2245	2275		
	16 Overall Width			mm	1070	1100		
	17 Mast Height Fork Lowered			mm	1995	1995		
	18 Mast Height Fork Raised			mm	4030	4030		
	19 Overhead Guard Height(EXB,EXC,EXK)			mm	2070	2070		
	Overhead Guard Height(EXE,EXN)			mm	2130	2130		
	20 Operator's Seat Height			mm	1015	1015		
	21 Turning Radius (Outside)			mm	1980	2010		
	22 Load Distance (Centerline of front axle to front face of forks)			mm	395	395		
	Rear Overhang			mm	425	455		
23 Basic Right Angle Stacking Aisle Width			mm	3495	3525			
Performance	24		Travel, Max. (Fwd. / Rvs.)	Full Load	km/h	13.5 / 13.5	13.5 / 13.5	
				No Load	km/h	12.0 / 12.0	12.0 / 12.0	
			25 Speeds	Lifting	Full Load	mm/sec	530	490
					No Load	mm/sec	600	600
	26		Lowering	Full Load	mm/sec	450	450	
				No Load	mm/sec	550	550	
	28 Max. Drawbar Pull			Full Load	kN	13.7	13.7	
				No Load	kN	6.9	6.9	
30 Max. Gradeability*		Full Load		%	24	21		
		No Load		%	19	17		
Weight	32 Total Weight			kg	2540	2700		
	33 Weight Distribution		Full Load	Front	kg	3530	3900	
				Rear	kg	510	550	
			34	No Load	Front	kg	1090	1050
Rear					kg	1450	1650	
Chassis & Wheels	35		Number	Front / Rear		2 / 2	2 / 2	
			36 Tires	Front		6.50-10-10PR	6.50-10-10PR	
	37	Size		Rear		5.00-8-8PR	5.00-8-8PR	
		38 Wheelbase			mm	1425	1425	
	39 Tread		Front	mm	890	920		
			Rear	mm	920	920		
	Backrest Height			mm	1000	1000		
	Overhead Guard Clearance			mm	1035	1035		
Counterweight Height			mm	1110	1110			
Drawbar Pin Center Height			mm	495	495			
Step Height / Floor Height			mm	420 / 650	420 / 650			
40 Underclearance		Min. with Load		mm	105	105		
41		Center of Wheelbase		mm	105	105		
42 Brake		Service (Foot)			Hydraulic-Foot pedal	Hydraulic-Foot pedal		
43		Parking			Mechanical-Hand lever	Mechanical-Hand lever		
Engine & Transmission	45 Battery		Voltage / Capacity (5HR)		V/AH	12 / 52	12 / 52	
	49 Internal Combustion Engine		Make / Model			KUBOTA / D1503	KUBOTA / D1503	
			Rated Horsepower / r.p.m.		kW	17.5 / 2500	17.5 / 2500	
			Rated Torque / r.p.m.		N-m	87.1 / 1600	87.1 / 1600	
			Number of Cylinder			3	3	
			Piston Displacement		cc	1499	1499	
			Alternator output		kW/Amp	0.54 / 45	0.54 / 45	
			Fuel Tank Capacity Type		liter	50	50	
	55 Transmission		Type			Power-shift	Power-shift	
			Stage	Fwd.-Rvs.		1-1	1-1	
57 Operating Pressure		For Attachments		MPa	17.7	17.7		

NOTE : * Computed values.

Mitsubishi Logisnext			
FHD15C3Z	FHD15T3Z	FHD18C3Z	FHD18T3Z
1500		1750	
500		500	
Diesel		Diesel	
Seated		Seated	
Pneumatic		Pneumatic	
2X / 2		2X / 2	
3000		3000	
155		155	
920 × 100 × 35		920 × 100 × 35	
920 / 200		920 / 200	
6 / 12		6 / 12	
2245		2275	
1070		1100	
1995		1995	
4030		4030	
2070		2070	
2130		2130	
1045		1045	
1980		2010	
395		395	
425		455	
3495		3525	
18.5 / 18.5	19.0 / 19.0	18.5 / 18.5	19.0 / 19.0
19.0 / 19.0	19.5 / 19.5	19.0 / 19.0	19.5 / 19.5
620		620	
660		660	
450		450	
550		550	
13.2	16.2	13.2	16.2
6.9		6.9	
25	31	22	29
18		17	
2610		2770	
3550		3920	
560		600	
1110		1070	
1500		1700	
2 / 2		2 / 2	
6.50-10-10PR		6.50-10-10PR	
5.00-8-8PR		5.00-8-8PR	
1425		1425	
890		920	
920		920	
1000		1000	
1005		1005	
1110		1110	
495		495	
420 / 650		420 / 650	
105		105	
105		105	
Hydraulic-Foot pedal		Hydraulic-Foot pedal	
Mechanical-Hand lever		Mechanical-Hand lever	
12 / 55		12 / 55	
ISUZU / C240		ISUZU / C240	
35.4 / 2500		35.4 / 2500	
140 / 1800		140/1800	
4		4	
2369		2369	
0.54 / 45		0.54 / 45	
50		50	
Manual	Power-shift	Manual	Power-shift
2-2	1-1	2-2	1-1
17.7		17.7	

Wide View Mast

Wide View Mast VM

Mast Model	Rated Capacity at 500mm load center (kg)				Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(1) Service weight(kg)					
	FG15T13(FD15T14) FG15C13		FG18T13(FD18T14) FG18C13			Lowered	Raised with Backrest		FG15T13 FG15C13			FG18T13 FG18C13		
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)					S	DD	SDD	S	DD	SDD
VM250	1500	1500	1750	1750	2500	1745	3530	6-10	2475	2505	2585	2635	2650	2730
VM270	1500	1500	1750	1750	2700	1845	3730	6-10	2490	2520	2600	2650	2665	2745
VM300	1500	1500	1750	1750	3000	1995	4030	6-12	2510	2540	2620	2670	2685	2765
VM330	1500	1500	1750	1750	3300	2145	4330	6-12	2525	2555	2635	2685	2700	2780
VM350	1500	1500	1750	1750	3500	2245	4530	6-12	2540	2570	2650	2700	2715	2795
VM375	1500	1500	1750	1750	3750	2370	4780	6-6 *6-12	2555	2585	2665	2715	2730	2810
VM400	1500	1500	1650 *1750	1650 *1750	4000	2545	5030	6-6 *6-12	2595	2625	2705	2755	2770	2850
VM425	1400 *1500	1400 *1500	1500 *1750	1500 *1750	4250	2670	5280	6-6 *6-12	2615	2645	2725	2775	2790	2870
VM450	1400	1400	1500 *1650	1500 *1650	4500	2795	5530	6-6 *6-12	2625	2655	2735	2785	2800	2880
VM475	1000 *1350	1300 *1350	1000 *1500	1300 *1500	4750	2920	5780	6-6 *6-6	2640	2670	2750	2800	2815	2895
VM500	1000 *1350	1200 *1350	1000 *1500	1200 *1500	5000	3045	6030	6-6 *6-6	2660	2690	2770	2820	2835	2915
VM550	*1100	*1100	*1300	*1300	5500	3345	6530	*3-6	—	2745	2825	—	2890	2970
VM600	*800	*800	*1000	*1000	6000	3595	7030	*3-6	—	2775	2855	—	2920	3000

NOTE :(1) Weight for diesel model: +30kg

Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity at 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)					
	FG15T13(FD15T14)		FG18T13(FD18T14)			Lowered	(1)Raised with Backrest			FG15T13			FG18T13		
	FG15C13		FG18C13							FG15C13			FG18C13		
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)						mm	mm	mm	mm	S	DD
VFM250	1500	1500	1750	1750	2500	1745	3530	740	6-10	2510	2540	2620	2670	2685	2765
VFM270	1500	1500	1750	1750	2700	1845	3730	840	6-10	2525	2555	2635	2685	2700	2780
VFM300	1500	1500	1750	1750	3000	1995	4030	990	6-12	2545	2575	2655	2705	2720	2800
VFM330	1500	1500	1750	1750	3300	2145	4330	1140	6-12	2565	2595	2675	2725	2740	2820
VFM350	1500	1500	1750	1750	3500	2245	4530	1240	6-12	2575	2605	2685	2735	2750	2830
VFM375	1500	1500	1750	1750	3750	2370	4780	1365	6-6 *6-12	2590	2620	2700	2750	2765	2845
VFM400	1500	1500	1650 *1750	1650 *1750	4000	2545	5030	1540	6-6 *6-12	2640	2670	2750	2800	2815	2895
VFM425	1400 *1500	1400 *1500	1500 *1750	1500 *1750	4250	2670	5280	1665	6-6 *6-12	2660	2690	2770	2820	2835	2915
VFM450	1400	1400	1500 *1650	1500 *1650	4500	2795	5530	1790	6-6 *6-12	2675	2705	2785	2835	2850	2930
VFM475	1000 *1350	1300 *1350	1000 *1500	1300 *1500	4750	2920	5780	1915	6-6 *6-6	2690	2720	2800	2850	2865	2945
VFM500	1000 *1350	1200 *1350	1000 *1500	1200 *1500	5000	3045	6030	2040	6-6 *6-6	2705	2735	2815	2865	2880	2960
VFM550	*1100	*1100	*1300	*1300	5500	3345	6530	2340	*3-6	—	2795	2875	—	2940	3020
VFM600	*800	*800	*1000	*1000	6000	3595	7030	2590	*3-6	—	2830	2910	—	2975	3055

NOTE :(1) For height without backrest: -470mm
(2) For free lift without backrest: +470mm
(3) Weight for without backrest: -20kg
Weight for diesel model: +30kg

Wide View Full Free 3-Stage Mast VFHM

Mast Model	Rated Capacity at 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)					
	FG15T13(FD15T14)		FG18T13(FD18T14)			Lowered	(1)Raised with Backrest			FG15T13			FG18T13		
	FG15C13		FG18C13							FG15C13			FG18C13		
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)						mm	mm	mm	mm	S	DD
VFHM360	1400	1400	1600	1600	3600	1745	4630	740	6-6	2635	2665	2745	2795	2810	2890
VFHM400	1400	1400	1600	1600	4000	1870	5030	865	6-6	2660	2690	2770	2820	2835	2915
VFHM435	1350	1400	1550	1600	4350	1995	5380	990	6-6	2685	2715	2795	2845	2860	2940
	*1400	*1400	*1600	*1600					*6-6						
VFHM480	1300	1350	1400	1450	4800	2145	5830	1140	6-6	2710	2740	2820	2870	2885	2965
	*1350	*1350	*1550	*1550					*6-6						
VFHM500	1100	1300	1150	1350	5000	2245	6030	1240	6-6	2730	2760	2840	2890	2905	2985
	*1300	*1300	*1500	*1500					*6-6						
VFHM540	850	1100	900	1100	5400	2370	6430	1365	3-6	2750	2780	2860	2910	2925	3005
	*1250	*1250	*1400	*1400					*3-6						
VFHM600	550	750	550	750	6000	2595	7030	1590	3-6	2815	2845	2925	2975	2990	3070
	*1100	*1100	*1250	*1250					*3-6						
VFHM650	*950	*950	*1100	*1100	6500	2810	7530	1805	*3-3	—	2890	2970	—	3035	3115
VFHM700	*750	*750	*750	*750	7000	3030	8030	2025	*3-3	—	2930	3010	—	3075	3155

NOTE :(1) For height without backrest: -470mm
(2) For free lift without backrest: +470mm
(3) Weight for without backrest: -20kg
Weight for diesel model: +30kg

NOTE :

Rated capacity with (*): Shows capacity with front dual tires.

Service weight of VM/VFM550-600 and of VFHM650-700 represents the weight of vehicles equipped with "special dual tires".

Lifting speed with VFM/VFHM mast: with VFM FG 470mm/s with load. 550mm/s without load.
FD 420mm/swith load. 490mm/swithout load.
with VFHM FG 530mm/s with load. 610mm/s without load.
FD 480mm/swith load. 540mm/s without load.

Lowering speed with VFM/VFHM mast: 420mm/s with load. 370mm/s without load.

Overall vehicle length with VFM mast: +10mm longer than of standard model with VM mast.

with VFHM mast:+25mm longer than of standard model with VM mast.

Wide View Mast

Wide View Mast VM

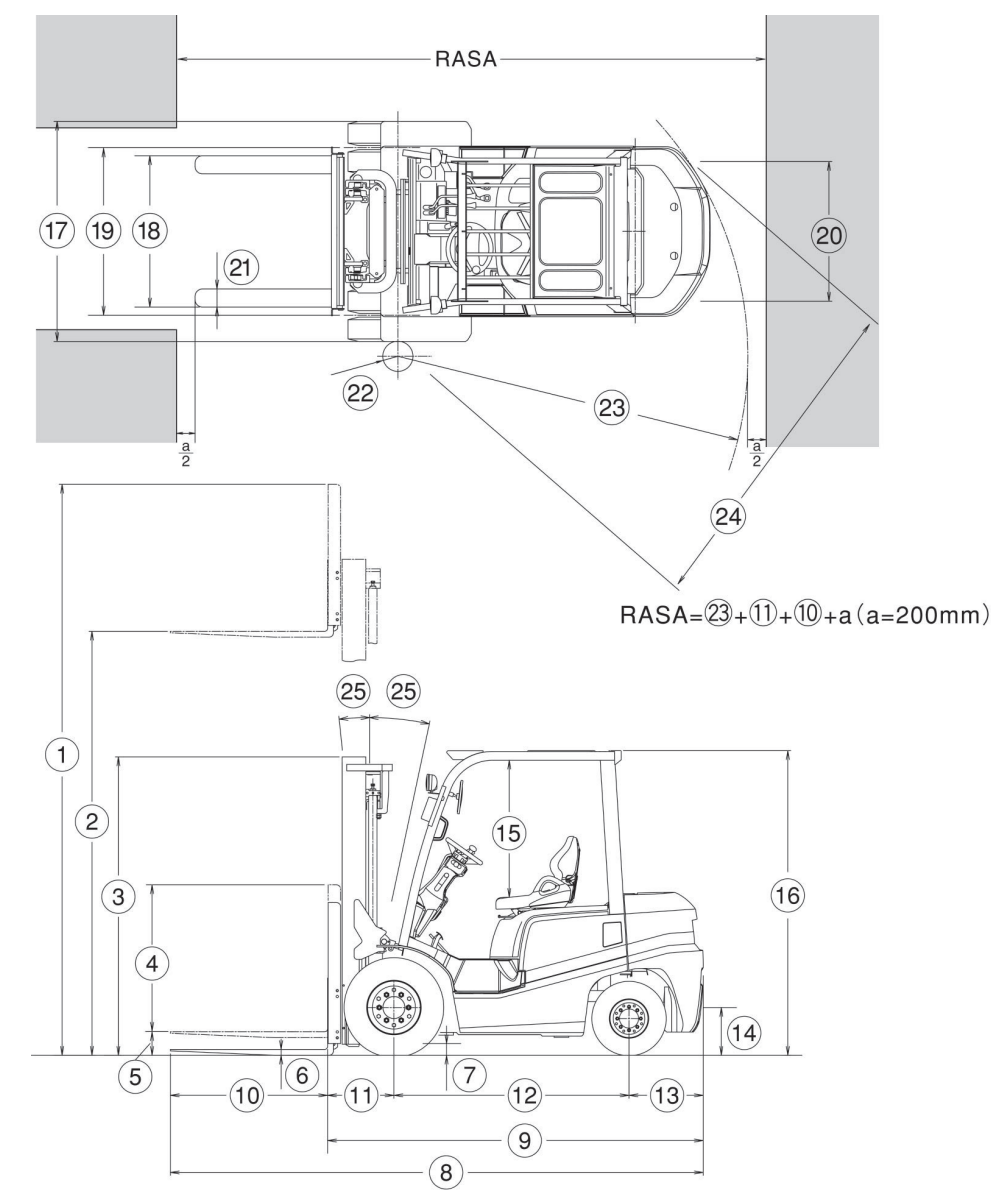
Mast Model	Rated Capacity at 500mm load center (kg)				Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(1) Service weight(kg)					
	FHG15T3 / FHD15T3Z		FHG18T3 / FHD18T3Z			Lowered	Raised with Backrest		FHG15T3 FHG15C3			FHG18T3 FHG18C3		
	FHG15C3 / FHD15C3Z		FHG18C3 / FHD18C3Z						S	DD	SDD	S	DD	SDD
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)										
VM250	1500	1500	1750	1750	2500	1745	3530	6-10	2475	2505	2585	2635	2650	2730
VM270	1500	1500	1750	1750	2700	1845	3730	6-10	2490	2520	2600	2650	2665	2745
VM300	1500	1500	1750	1750	3000	1995	4030	6-12	2510	2540	2620	2670	2685	2765
VM330	1500	1500	1750	1750	3300	2145	4330	6-12	2525	2555	2635	2685	2700	2780
VM350	1500	1500	1750	1750	3500	2245	4530	6-12	2540	2570	2650	2700	2715	2795
VM375	1500	1500	1750	1750	3750	2370	4780	6-6 *6-12	2555	2585	2665	2715	2730	2810
VM400	1500	1500	1650 *1750	1650 *1750	4000	2545	5030	6-6 *6-12	2595	2625	2705	2755	2770	2850
VM425	1400 *1500	1400 *1500	1500 *1750	1500 *1750	4250	2670	5280	6-6 *6-12	2615	2645	2725	2775	2790	2870
VM450	1400	1400	1500 *1650	1500 *1650	4500	2795	5530	6-6 *6-12	2625	2655	2735	2785	2800	2880
VM475	1000 *1350	1300 *1350	1000 *1500	1300 *1500	4750	2920	5780	6-6 *6-6	2640	2670	2750	2800	2815	2895
VM500	1000 *1350	1200 *1350	1000 *1500	1200 *1500	5000	3045	6030	6-6 *6-6	2660	2690	2770	2820	2835	2915
VM550	*1100	*1100	*1300	*1300	5500	3345	6530	*3-6	—	2745	2825	—	2890	2970
VM600	*800	*800	*1000	*1000	6000	3595	7030	*3-6	—	2775	2855	—	2920	3000

NOTE :(1) Weight for diesel model: +100kg(C240)

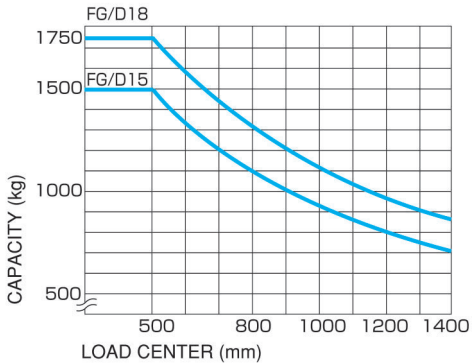
Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity at 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)					
	FHG15T3 / FHD15T3Z		FHG18T3 / FHD18T3Z			Lowered	(1)Raised with Backrest			FHG15T3 FHG15C3			FHG18T3 FHG18C3		
	FHG15C3 / FHD15C3Z	FHG18C3 / FHD18C3Z													
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)	mm	mm	mm	mm	deg	S	DD	SDD	S	DD	SDD
VFM250	1500	1500	1750	1750	2500	1745	3530	740	6-10	2510	2540	2620	2670	2685	2765
VFM270	1500	1500	1750	1750	2700	1845	3730	840	6-10	2525	2555	2635	2685	2700	2780
VFM300	1500	1500	1750	1750	3000	1995	4030	990	6-12	2545	2575	2655	2705	2720	2800
VFM330	1500	1500	1750	1750	3300	2145	4330	1140	6-12	2565	2595	2675	2725	2740	2820
VFM350	1500	1500	1750	1750	3500	2245	4530	1240	6-12	2575	2605	2685	2735	2750	2830
VFM375	1500	1500	1750	1750	3750	2370	4780	1365	6-6 *6-12	2590	2620	2700	2750	2765	2845
VFM400	1500	1500	1650 *1750	1650 *1750	4000	2545	5030	1540	6-6 *6-12	2640	2670	2750	2800	2815	2895
VFM425	1400 *1500	1400 *1500	1500 *1750	1500 *1750	4250	2670	5280	1665	6-6 *6-12	2660	2690	2770	2820	2835	2915
VFM450	1400	1400	1500 *1650	1500 *1650	4500	2795	5530	1790	6-6 *6-12	2675	2705	2785	2835	2850	2930
VFM475	1000 *1350	1300 *1350	1000 *1500	1300 *1500	4750	2920	5780	1915	6-6 *6-6	2690	2720	2800	2850	2865	2945
VFM500	1000 *1350	1200 *1350	1000 *1500	1200 *1500	5000	3045	6030	2040	6-6 *6-6	2705	2735	2815	2865	2880	2960
VFM550	*1100	*1100	*1300	*1300	5500	3345	6530	2340	*3-6	—	2795	2875	—	2940	3020
VFM600	*800	*800	*1000	*1000	6000	3595	7030	2590	*3-6	—	2830	2910	—	2975	3055

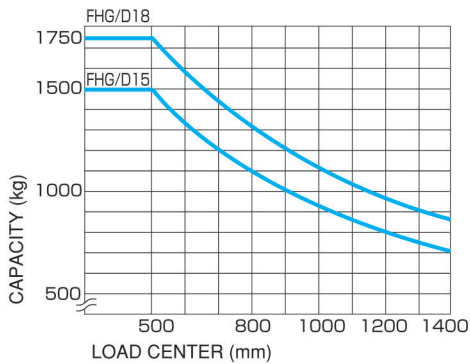
GROUND CLEARANCE	FD / FG15 FD / FG18	FHD / FHG15 FHD / FHG18
	mm	mm
Mast	110	110
Frame	105	105
Front axle	125	125
Rear axle	125	125
Counter weight	135	135



LOAD CHART 1.5-1.8t (Standard)



LOAD CHART 1.5-1.8t (High Power)



STANDARD DIMENSIONS

STANDARD DIMENSIONS

Model	FD / FG15 FHD / FHG15	FD / FG18 FHD / FHG18
	mm	mm
① Overall height, fork raised(with backrest)	4030	4030
② Maximum fork height	3000	3000
③ Mast height, fork lowered	1995	1995
④ Backrest height	1000	1000
⑤ Free lift	155	155
⑥ Fork thickness	35	35
⑦ Ground clearance(front axle)	125	125
⑧ Overall length(with forks)	3165	3195
⑨ Length to fork face	2245	2275
⑩ Fork length	920	920
⑪ Load distance(centerline of front axle to front face of forks)	395	395
⑫ Wheelbase	1425	1425
⑬ Rear overhang	425	455
⑭ Drawbar Pin Center Height	495	495
⑮ Overhead guard clearance(from face of seat)*	FD / FG15•18=1035	FHD / FHG15•18=1005
⑯ Overall height(overhead guard)*	2070	2070
⑰ Overall width	1070	1100
⑱ Fork spread(outside)	200 - 920	200 - 920
⑲ Tread (front)	890	920
⑳ Tread (rear)	920	920
㉑ Fork width	100	100
㉒ Inside turning radius	110	95
㉓ Outside turning radius	1980	2010
㉔ Minimum intersecting aisle	1780	1800
㉕ Tilt angles(forward-backward)	6° - 12°	6° - 12°

NOTE : *European(EXE) export trucks: +60mm

DIMENSIONS WITH FRONT DUAL DRIVE WHEELS (option)

Model	FD / FG15 FHD / FHG15	FD / FG18 FHD / FHG18
	mm	mm
Tire size (front dual Type: DD) 4 x 4.50-12-8PR JL		
⑰ Overall width	1255	1255
⑲ Tread (front)	980	980
㉒ Inside turning radius	90	90
㉓ Outside turning radius	2020	2050
㉔ Minimum intersecting aisle	1840	1860

Tire size (front dual Type: SDD)	4 x 6.50 -10-10PR JL	
	mm	mm
⑰ Overall width	1512	1512
⑲ Tread (front)	1110	1110
㉒ Inside turning radius	90	90
㉓ Outside turning radius	2095	2120
㉔ Minimum intersecting aisle	1940	1960

MEMO

STANDARD EQUIPMENT AND ACCESSORIES

[Equipment]

- Adjustable ORS seat with belt
- Asbestos-free brake shoe materials
- Cylinder type bonnet latch with locking function
- Donaldson dry type cyclopac air-cleaner
- Drawbar device
- Durable overhead guard with resin screen
- Engine auto glow system (Diesel)
- Engine idle-up device (Gasoline)
- Flow control valve
- Fuel water sedimentor (Diesel)
- Full hydrostatic power steering
- Full transistorized ignition (Gasoline)
- Hydraulic oil dipstick
- Interlock system¹⁾
- ITA Class II carriage
- J-lug pneumatic industrial tires
- Lift circuit cut-off valve
- Load backrest
- Radiator coolant reservoir
- Return hydraulic filter
- Suction hydraulic strainer
- Tilt lock valve
- Transmission oil dipstick (power shift T/M)
- Transmission oil filter (power shift T/M)
- Wide view two stage mast(VM300)
- 2-spool control valve with pressure relief
- 920mm forks

[Controls]

- Electric shift control lever (direction change)
- Lift and tilt levers
- Multi-function switch lever with self-cancelling mechanism (Lighting & turn-signal)
- Neutral safety mechanism
- Parking brake lever with inter-lock
- Tilt adjustable steering post

[Accessories]

- Access-assisted hand grip
- Back-up buzzer
- Back-up lights
- Deluxe floor mat
- Detachable and portable glove box
- Electric horn
- Front combination lights (turn signal, clearance)
- Head lights - traffic purpose
- High-mounted rear combination lights
- Operator tool kit
- Pen/ Cup holder
- Side view mirrors

[Instruments and Switch]

- Charge indicator
- Engine oil pressure warning indicator
- Fuel gauge
- Fuel water sedimentor indicator (Diesel)
- Glow indicator (Diesel)
- Hourmeter
- Ignition key engine stop (Diesel)
- Neutral safety switch
- Water temperature gauge

OPTIONAL LOADING ATTACHMENT

- Alternative fork lengths
- Alternative lengths fork extension sleeve
- Bale clamp (LG)
- Carton clamp (CLG)
- Crane arm (CA)
- Drum clamp (DLG)
- Fork clamp (FLG)
- Fork positioner hydraulic type (Hook-on/ Integral)(FS)
- High, wide type load backrest
- Hinged forks/ scoop (HFS)
- Load push-pull (PPC)
- Load stabilizer (STA)
- Ram attachment (RA)
- Rotating forks (Hook-on/ Integral type)(RF)
- Rotating paper roll clamp (Hook-on/ Integral type)(PR)
- Side-shifter (Hook-on/ Integral)(SS)
- Sleeve-in hook
- Wide type fork carriage
- Wide view full free 2-stage (VFM) mast
- Wide view full free 3-stage (VFHM) mast

OPTIONAL EQUIPMENT AND ACCESSORIES

[Equipment]

- Air Boss tires (TRA)
- Auxiliary hydraulic valve modules (max. 5spool)
- Central greasing system (CL)
- Color tire (white, green)
- Dual element aircleaner (ADE)
- Exhaust purify catalytic muffler (EPM) (Diesel)
- Fishery industry package (FC)
- Front dual drive wheels (DD/ SDD)
- Full open cabine (AW 061)
- Head light guard (HLG)
- Heater (HR)
- Interlock system¹⁾ (SIL)
- Lift lock mechanism (VLL)
- LPG exclusive/ Dual fuel (LPG - Gasoline) package
- Overhead exhaust system (TUE)
- Overhead guard/ High profile (HGH060)
- Overhead guard/ Low profile(HGL)
- Plate fin type radiator (RAD PF)
- Pre-cleaner engine air intake (CAK B) (Gasoline)
- Radiator dust screen (fine, medium mesh)(DSR)
- Smoke reduction/spark arrester muffler (Diesel)(CBM)
- Synchronised steering mechanism(SRS)
- Unique cushion tires (SE)

[Accessories]

- Custom paint-work
- Fire extinguisher(FE)
- Rear working light(RWL)
- Rotating warning light(RLY/RLR)
- Tilt cylinder boots(TLB)

[Instruments and Switch]

- Ammeter (AM)
- O.K. monitor (fuel level, battery electrolyte level, coolant level, parking brake, air-cleaner, seat-belt)
- Speedometer (SM)
- Torque converter oil pressure gauge (TPM)
- Torque converter oil temperature gauge (power shift T/M)

Others on request

NOTE : 1) STD for EXE specification

NOTE :

- Meets following major standards and code:
ISO22915-2 Counter Balanced Lift Trucks, Stability & Safety Test(Int'l)
ISO 3691 Powered industrial trucks - safety code
JIS D6001 Industrial Lift Trucks (Japan)
ISO D6011 Stability & Safety Test (Japan)
- Overhead guard meets ISO 6055, JIS D6021
- Specifications are subject to change without notice and its may vary depending on markets.
Please consult your TCM representative for details.



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Note:

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Performance data and dimensions are nominal and subject to tolerances.
Produced in ISO certified factory.

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