

TCM

Innovative Machine
INOMA



Engine-Powered Forklift Trucks

2.0-3.5 ton

(Counter-Balanced Type)

SPECIFICATIONS

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer				UNICARRIERS				
	2 Model				FG20C3		FG20T3	FG25C3	FG25T3
	3 Load Capacity			kg	2000		2500		
	4 Load Center			mm	500		500		
	5 Power Type				Gasoline		Gasoline		
	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	110		110		
	13 Fork Size		L × W × T	mm	1070 × 122 × 40		1070 × 122 × 40		
	Fork Spread (Outside)		Max. / Min.	mm	1020 / 244		1020 / 244		
	14 Tilt Angle		Fwd. / Bwd.	deg	6 / 12		6 / 12		
	15 Length to Fork Face			mm	2485		2555		
	16 Overall Width			mm	1150		1150		
	17 Mast Height Fork Lowered			mm	2030		2030		
	18 Mast Height Fork Raised			mm	4030		4030		
	19 Overhead Guard Height(EXB,EXK)			mm	2070		2070		
	Overhead Guard Height(EXC,EXE,EXN)			mm	2130		2130		
	20 Operator's Seat Height			mm	1045		1045		
	21 Turning Radius (Outside)			mm	2170		2240		
	22 Load Distance (Centerline of front axle to front face of forks)			mm	450		450		
	Rear Overhang			mm	435		505		
23 Basic Right Angle Stacking Aisle Width			mm	3890		3960			
Performance	24		Travel, Max. (Fwd. / Rvs.)	Full Load	km/h	18.5		18.5	
				No Load	km/h	19		19	
			Lifting	Full Load	mm/sec	540		540	
				No Load	mm/sec	580		580	
			Lowering	Full Load	mm/sec	450		450	
				No Load	mm/sec	550		550	
	28 Max. Drawbar Pull			Full Load	kN	12.3	16.7	12.3	16.7
			No Load	kN	8.3		8.3		
30 Max. Gradeability*			Full Load	%	20	28	19	24	
			No Load	%	20		20		
Weight	32 Total Weight			kg	3210		3570		
	33 Weight Distribution		Full Load	Front	kg	4610		5350	
				Rear	kg	600		720	
			No Load	Front	kg	1430		1370	
Rear	kg	1780		2200					
Chassis & Wheels	35		Number	Front / Rear	2 / 2		2 / 2		
			Size	Front	7.00-12-12PR(I)		7.00-12-12PR(I)		
	Rear	6.00-9-10PR(I)		6.00-9-10PR(I)					
	38 Wheelbase			mm	1600		1600		
	39 Tread		Front	mm	970		970		
			Rear	mm	970		970		
	Backrest Height			mm	1000		1000		
Overhead Guard Clearance			mm	1005		1005			
Counterweight Height			mm	1110		1110			
Drawbar Pin Center Height			mm	530		530			
Step Height / Floor Height			mm	435 / 650		435 / 650			
40 Underclearance		Min. with Load		mm	110		110		
		Center of Wheelbase		mm	120		120		
42 Brake		Service (Foot)			Hydraulic-Foot pedal		Hydraulic-Foot pedal		
		Parking			Mechanical-Hand lever		Mechanical-Hand lever		
Engine & Transmission	45 Battery		Voltage / Capacity (5HR)		V/AH	12 / 30		12 / 30	
	49 Internal Combustion Engine		Make / Model			GCT / K21		GCT / K21	
			Rated Horsepower / r.p.m.		kW	34.6 / 2250		34.6 / 2250	
			Rated Torque / r.p.m.		N-m	153.5 / 1600		153.5 / 1600	
			Number of Cylinder			4		4	
			Piston Displacement		cc	2065		2065	
			Alternator output		kW/Amp	0.60 / 50		0.60 / 50	
			Fuel Tank Capacity Type		liter	70		70	
55 Transmission		Type			Manual	Power-shift	Manual	Power-shift	
		Stage	Fwd.-Rvs.		2-2	1-1	2-2	1-1	
57 Operating Pressure		For Attachments		MPa	17.7		17.7		

NOTE : * Computed values.

UNICARRIERS								
FG30C3	FG30T3	FHG20C3	FHG20T3	FHG25C3	FHG25T3	FHG30C3	FHG30T3	FG35T3S
3000	2000	2500	3000	3500				
500	500	500	500	500				
Gasoline	Gasoline	Gasoline	Gasoline	Gasoline				
Seated	Seated	Seated	Seated	Seated				
pneumatic	pneumatic	pneumatic	pneumatic	pneumatic				
2X / 2	2X / 2	2X / 2	2X / 2	2X / 2				
3000	3000	3000	3000	3000				
165	110	110	165	170				
1070 × 125 × 45	1070 × 122 × 40	1070 × 122 × 40	1070 × 125 × 45	1070 × 150 × 50				
1090 / 250	1020 / 244	1020 / 244	1090 / 250	1090 / 300				
6 / 12	6 / 12	6 / 12	6 / 12	6 / 12				
2705	2485	2555	2705	2800				
1225	1150	1150	1225	1290				
2075	2030	2030	2075	2135				
4260	4030	4030	4260	4255				
2090	2070	2070	2090	2140				
2150	2130	2130	2150	2200				
1070	1045	1045	1070	1120				
2400	2170	2240	2400	2470				
480	450	450	480	495				
525	435	505	525	605				
4150	3890	3960	4150	4265				
19	18.5	18.5	19	18.5				
19.5	19	19	19.5	19				
440	600	600	500	400				
490	620	620	520	450				
450	450	450	450	420				
10.8	14.2	14.2	22.1	17.0				
9.8	8.3	8.3	9.8	9.8				
14	18	24	36	17				
20	20	18	20	16				
4250	3230	3580	4260	4820				
6350	4630	5350	6350	7235				
900	600	730	910	1085				
1620	1450	1370	1620	1685				
2630	1780	2210	2640	3135				
2 / 2	2 / 2	2 / 2	2 / 2	2 / 2				
28×9-15-12PR(I)	7.00-12-12PR(I)	7.00-12-12PR(I)	28X9-15-12PR(I)	250-15-16PR(I)				
6.50-10-10PR(I)	6.00-9-10PR(I)	6.00-9-10PR(I)	6.50-10-10PR(I)	6.50-10-12PR(I)				
1700	1600	1600	1700	1700				
1000	970	970	1000	1060				
970	970	970	970	970				
1220	1000	1000	1220	1220				
1005	1005	1005	1005	1005				
1130	1110	1110	1130	1180				
560	530	530	560	610				
460 / 680	435 / 650	435 / 650	460 / 680	485 / 730				
140	110	110	140	125				
145	120	120	145	190				
Hydraulic-Foot pedal	Hydraulic-Foot pedal	Hydraulic-Foot pedal	Hydraulic-Foot pedal	Hydraulic-Foot pedal				
Mechanical-Hand lever	Mechanical-Hand lever	Mechanical-Hand lever	Mechanical-Hand lever	Mechanical-Hand lever				
12 / 30	12 / 30	12 / 30	12 / 30	12 / 30				
GCT / K21	GCT / K25	GCT / K25	GCT / K25	GCT / K25				
34.6 / 2250	39.5 / 2100	39.5 / 2100	39.5 / 2100	39.5 / 2100				
153.5 / 1600	188.1 / 1600	188.1 / 1600	188.1 / 1600	188 / 1600				
4	4	4	4	4				
2065	2488	2488	2488	2488				
0.60 / 50	0.60 / 50	0.60 / 50	0.60 / 50	0.60 / 50				
70	70	70	70	70				
Manual	Power-shift	Manual	Power-shift	Manual				
2-2	1-1	2-2	1-1	1-1				
17.7	17.7	17.7	17.7	17.7				

STANDARD SPECIFICATIONS

Characteristics	1 Manufacturer				UNICARRIERS								
	2 Model				FD20C3Z	FD20T3	FD25C3Z	FD25T3	FD30C3Z	FD30T3			
	3 Load Capacity			kg	2000		2500		3000				
	4 Load Center			mm	500		500		500				
	5 Power Type				Diesel		Diesel		Diesel				
	6 Operator Position				Seated		Seated		Seated				
	7 Tire Type		Front / Rear		Pneumatic		Pneumatic		Pneumatic				
	8 Wheels (x = driven)		Front / Rear		2X / 2		2X / 2		2X / 2				
Dimensions	9 Maximum Fork Height			mm	3000		3000		3000				
	10 Free Lift			mm	110		110		165				
	13 Fork Size		L × W × T	mm	1070 × 122 × 40		1070 × 122 × 40		1070 × 125 × 45				
	Fork Spread (Outside)		Max. / Min.	mm	1020 / 245		1020 / 245		1090 / 250				
	14 Tilt Angle		Fwd. / Bwd.	deg	6 / 12		6 / 12		6 / 12				
	15 Length to Fork Face			mm	2485		2555		2705				
	16 Overall Width			mm	1150		1150		1225				
	17 Mast Height Fork Lowered			mm	2030		2030		2075				
	18 Mast Height Fork Raised			mm	4030		4030		4250				
	19 Overhead Guard Height(EXB,EXK)			mm	2070		2070		2090				
	Overhead Guard Height(EXC,EXE,EXN)			mm	2130		2130		2150				
	20 Operator's Seat Height			mm	1045		1045		1070				
	21 Turning Radius (Outside)			mm	2170		2240		2400				
	22 Load Distance (Centerline of front axle to front face of forks)			mm	450		450		480				
	Rear Overhang			mm	435		505		525				
23 Basic Right Angle Stacking Aisle Width			mm	3890		3960		4150					
Performance	24 Speeds		Travel, Max. (Fwd. / Rvs.)	Full Load	km/h	17.5	18	17.5	18	18.5	19		
				No Load	km/h	18	18.5	18	18.5	19	19.5		
			Lifting	Full Load	mm/sec	530	630	530	630	450	520		
				No Load	mm/sec	570	670	570	670	460	590		
	26		Lowering	Full Load	mm/sec	450		450		450			
				No Load	mm/sec	550		550		450			
	28 Max. Drawbar Pull			Full Load	kN	11.7	19.1	11.7	19.1	10.8	17.2		
				No Load	kN	8.3		8.3		9.8			
30 Max. Gradeability*			Full Load	%	21	34	18	28	15	21			
			No Load	%	20		18		20				
Weight	32 Total Weight			kg	3320	3340	3680	3700	4370	4390			
	33 Weight Distribution		Full Load	Front	kg	4670	4670	5400	5400	6420	6410		
				Rear	kg	650	670	780	800	950	980		
	34		No Load	Front	kg	1490	1490	1420	1420	1690	1680		
Rear				kg	1830	1850	2260	2280	2680	2710			
Chassis & Wheels	35 Tires		Number	Front / Rear	2 / 2		2 / 2		2 / 2				
			Size	Front	7.00-12-12PR(I)		7.00-12-12PR(I)		28×9-15-12PR(I)				
				Rear	6.00-9-10PR(I)		6.00-9-10PR(I)		6.50-10-10PR(I)				
	38 Wheelbase			mm	1600		1600		1700				
	39 Tread		Front	mm	970		970		1000				
			Rear	mm	970		970		970				
	Backrest Height			mm	1000		1000		1220				
	Overhead Guard Clearance			mm	1005		1005		1005				
	Counterweight Height			mm	1110		1110		1130				
	Drawbar Pin Center Height			mm	530		530		560				
Step Height / Floor Height			mm	435 / 650		435 / 650		460 / 680					
Engine & Transmission	40 Underclearance		Min. with Load		mm	110		110		140			
			Center of Wheelbase		mm	120		120		145			
	42 Brake		Service (Foot)			Hydraulic-Foot pedal		Hydraulic-Foot pedal		Hydraulic-Foot pedal			
			Parking			Mechanical-Hand lever		Mechanical-Hand lever		Mechanical-Hand lever			
	45 Battery		Voltage / Capacity (5HR)		V/AH	12 / 55	12 / 64	12 / 55	12 / 64	12 / 55	12 / 64		
	51 Internal Combustion Engine		Make / Model			ISUZU C240	GCT TD27	ISUZU C240	GCT TD27	ISUZU C240	GCT TD27		
			Rated Horsepower / r.p.m.		kW	35.4 / 2500		42.0 / 2400		35.4 / 2500		42.0 / 2400	
			Rated Torque / r.p.m.		N-m	140 / 1800		170 / 2300		140 / 1800		170 / 2300	
			Number of Cylinder			4		4		4		4	
			Piston Displacement		cc	2369		2663		2369		2663	
Alternator output			kW/Amp	0.54 / 45		0.72 / 60		0.54 / 45		0.72 / 60			
Fuel Tank Capacity Type			liter	70		70		70		70			
55 Transmission		Type			Manual	Power-shift	Manual	Power-shift	Manual	Power-shift			
		Stage	Fwd.-Rvs.		2-2	1-1	2-2	1-1	2-2	1-1			
57	Operating Pressure		For Attachments		MPa	17.7		17.7		17.7			

NOTE : * Computed values.

UNICARRIERS					
FHD20C3A	FHD20T3A	FHD25C3A	FHD25T3A	FHD30C3A	FHD30T3A
FD35T3S					
2000	2500				
500	500				
Diesel	Diesel				
Seated	Seated				
Pneumatic	Pneumatic				
2X / 2	2X / 2				
3000	3000				
110	110				
1070 × 122 × 40	1070 × 122 × 40				
1020 / 245	1020 / 245				
6 / 12	6 / 12				
2485	2555				
1150	1150				
2030	2030				
4030	4030				
2070	2070				
2130	2130				
1045	1045				
2170	2240				
450	450				
435	505				
3890	3960				
18.5	18				
19	18.5				
630	630				
670	670				
450	450				
550	550				
14.8	23.5				
8.3	8.3				
26	36				
20	20				
3350	3700				
4690	5400				
660	800				
1510	1420				
1840	2280				
2 / 2	2 / 2				
7.00-12-12PR(I)	7.00-12-12PR(I)				
6.00-9-10PR(I)	6.00-9-10PR(I)				
1600	1600				
970	970				
970	970				
1000	1000				
1005	1005				
1110	1110				
530	530				
435 / 650	435 / 650				
110	110				
120	120				
Hydraulic-Foot pedal	Hydraulic-Foot pedal				
Mechanical-Hand lever	Mechanical-Hand lever				
12 / 64	12 / 64				
GCT / QD32	GCT / QD32				
44 / 2300	44 / 2300				
189 / 1800	189 / 1800				
4	4				
3153	3153				
0.72 / 60	0.72 / 60				
70	70				
Manual	Power-shift				
2-2	1-1				
17.7	17.7				

Wide View Mast

Wide View Mast VM

Mast Model	Rated Capacity/ 500mm load center (kg)				Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(1) Service weight(kg)					
	FG20T3 / FD20T3		FG25T3 / FD25T3			Lowered	Raised with Backrest		FG20T3 FG20C3			FG25T3 FG25C3		
	FG20C3 / FD20C3Z		FG25C3 / FD25C3Z											
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)		mm	mm	mm	deg	S	DD	SDD	S	DD
VM250	2000	2000	2500	2500	2500	1780	3530	6-10	3170	3275	3290	3530	3635	3650
VM270	2000	2000	2500	2500	2700	1880	3730	6-10	3185	3290	3305	3545	3650	3665
VM300	2000	2000	2500	2500	3000	2030	4030	6-12	3210	3315	3330	3570	3675	3690
VM330	2000	2000	2500	2500	3300	2180	4330	6-12	3235	3340	3355	3595	3700	3715
VM350	2000	2000	2500	2500	3500	2280	4530	6-12	3250	3355	3370	3610	3715	3730
VM375	2000	2000	2500	2500	3750	2405	4780	6-6 *6-12	3270	3375	3390	3630	3735	3750
VM400	2000	2000 2000	2500	2500	4000	2580	5030	6-6 *6-12	3325	3430	3445	3685	3790	3805
VM425	1950 *2000	1950 *2000	2450 *2500	2450 *2500	4250	2705	5280	6-6 *6-12	3345	3450	3465	3705	3810	3825
VM450	1900 *1950	1900 *1950	2150 *2450	2350 *2450	4500	2830	5530	6-6 *6-12	3365	3470	3485	3725	3830	3845
VM475	1800 *1850	1800 *1850	1850 *2350	2200 *2350	4750	2955	5780	6-6 *6-6	3385	3490	3505	3745	3850	3865
VM500	1650 *1700	1700	1700 *2250	2000 *2250	5000	3080	6030	6-6 *6-6	3405	3510	3525	3765	3870	3885
VM550	*1500	*1500	*1700	*1700	5500	3380	6530	*3-6	—	3585	3600	—	3945	3960
VM600	*1300	*1300	*1400	*1400	6000	3630	7030	*3-6	—	3625	3640	—	3985	4000

NOTE :(1) Weight for diesel model: +110kg(C240•TD27)

Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity/ 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)					
	FG20T3 / FD20T3		FG25T3 / FD25T3			Lowered	(1)Raised with Backrest			FG20T3 FG20C3			FG25T3 FG25C3		
	FG20C3 / FD20C3Z		FG25C3 / FD25C3Z												
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)		mm	mm	mm	deg	S	DD	SDD	S	DD	SDD
VFM250	2000	2000	2500	2500	2500	1780	3530	780	6-10	3225	3330	3345	3585	3690	3705
VFM270	2000	2000	2500	2500	2700	1880	3730	880	6-10	3245	3350	3365	3605	3710	3725
VFM300	2000	2000	2500	2500	3000	2030	4030	1030	6-12	3270	3375	3390	3630	3735	3750
VFM330	2000	2000	2500	2500	3300	2180	4330	1180	6-12	3295	3400	3415	3655	3760	3775
VFM350	2000	2000	2500	2500	3500	2280	4530	1280	6-12	3310	3415	3430	3670	3775	3790
VFM375	2000	2000	2500	2500	3750	2405	4780	1405	6-6 *6-12	3330	3435	3450	3690	3795	3810
VFM400	2000	2000	2500	2500	4000	2580	5030	1580	6-6 *6-12	3390	3495	3510	3750	3855	3870
VFM425	1950 *2000	1950 *2000	2450 *2500	2450 *2500	4250	2705	5280	1705	6-6 *6-12	3410	3515	3530	3770	3875	3890
VFM450	1900 *1950	1900 *1950	2150 *2450	2350 *2450	4500	2830	5530	1830	6-6 *6-12	3435	3540	3555	3795	3900	3915
VFM475	1800 *1850	1800 *1850	1850 *2350	2200 *2350	4750	2955	5780	1955	6-6 *6-6	3455	3560	3575	3815	3920	3935
VFM500	1650 *1700	1700	1700 *2250	2000 *2250	5000	3080	6030	2080	6-6 *6-6	3475	3580	3595	3835	3940	3955
VFM550	*1500	*1500	*1700	*1700	5500	3380	6530	2380	*3-6	—	3660	3675	—	4020	4035
VFM600	*1300	*1300	*1400	*1400	6000	3630	7030	2630	*3-6	—	3700	3715	—	4060	4075

NOTE :(1) For height without backrest: -385mm (2) For free lift without backrest: +385mm (3) Weight for without backrest: -20kg Weight for diesel model: +110kg(C240•TD27)

Wide View Full Free 3-Stage Mast VFHM

Mast Model	Rated Capacity/ 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)					
	FG20T3 / FD20T3		FG25T3 / FD25T3			Lowered	(1)Raised with Backrest			FG20T3 FG20C3			FG25T3 FG25C3		
	FG20C3 / FD20C3Z		FG25C3 / FD25C3Z												
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)						mm	mm	mm	mm	S	DD
VFHM360	2000	2000	2500	2500	3600	1780	4630	780	6-6 *6-10	3365	3470	3485	3725	3830	3845
VFHM400	2000	2000	2500	2500	4000	1905	5030	905	6-6 *6-10	3395	3500	3515	3755	3860	3875
VFHM435	1900 *2000	1900 *2000	2200 *2400	2300 *2400	4350	2030	5380	1030	6-6 *6-10	3425	3530	3545	3785	3890	3905
VFHM480	1700 *1900	1800 *1900	1900 *2300	2200 *2300	4800	2180	5830	1180	6-6 *6-10	3455	3560	3575	3815	3920	3935
VFHM500	1500 *1800	1750 *1800	1600 *2250	2000 *2250	5000	2280	6030	1280	6-6 *6-10	3480	3585	3600	3840	3945	3960
VFHM540	1200 *1750	1650 *1750	1300 *2150	1700 *2150	5400	2405	6430	1405	3-6 *3-6	3510	3615	3630	3870	3975	3990
VFHM600	900 *1650	1100 *1650	950 *1800	1100 *1800	6000	2630	7030	1630	3-6 *3-6	3605	3710	3725	3965	4070	4085
VFHM650	*1500	*1500	*1550	*1550	6500	2845	7530	1845	*3-3	—	3765	3780	—	4125	4140
VFHM700	*1250	*1250	*1250	*1250	7000	3065	8030	2065	*3-3	—	3820	3835	—	4180	4195

NOTE :(1) For height without backrest: -455mm (2) For free lift without backrest: +455mm (3) Weight for without backrest: -20kg Weight for diesel model: +110kg(C240•TD27)

NOTE :

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

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

Lifting speed with VFM/VFHM mast: with VFM FG 480mm/s with load. 520mm/s without load.
FD(TD27) 540mm/s with load. 590mm/s without load.
(C240) 440mm/s with load. 500mm/s without load.
with VFHM FG 500mm/s with load. 540mm/s without load.
FD(TD27) 560mm/s with load. 610mm/s without load.
(C240) 460mm/s with load. 520mm/s without load.

Lowering speed with VFM/VFHM mast: 400mm/s with load. 350mm/s without load.

Overall vehicle length with VFHM mast: +15mm longer than of standard model with VM/VFM mast.

Wide View Mast

Wide View Full Free 2-Stage Mast VFW (4CYLINDER)

Mast Model	Rated Capacity/ 500mm load center (kg)				Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)						
	FG20T3 / FD20T3		FG25T3 / FD25T3			Lowered	(1)Raised with Backrest			FG20T3 FG20C3			FG25T3 FG25C3			
	FG20C3 / FD20C3Z		FG25C3 / FD25C3Z													
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)		mm	mm	mm	mm	deg	S	DD	SDD	S	DD	SDD
VFW300	1900	1900	2400	2400	3000	2045	4030	1045	6-12	3280	3385	3505	3640	3745	3865	
VFW330	1900	1900	2400	2400	3300	2195	4330	1195	6-12	3310	3415	3535	3670	3775	3895	
VFW350	1900	1900	2400	2400	3500	2295	4530	1295	6-12	3325	3430	3550	3685	3790	3910	
VFW375	1800 *1900	1800 *1900	2350	2350	3750	2420	4780	1420	*6-6 6-12	3350	3455	3575	3710	3815	3935	
VFW400	1800 *1900	1800 *1900	2300 *2350	2300 *2350	4000	2595	5030	1595	*6-6 6-12	3410	3515	3635	3770	3875	3995	

NOTE :(1) For height without backrest: -455mm

(2) For free lift without backrest: +455mm

(3) Weight for without backrest: -20kg

Weight for diesel model: +110kg(C240•TD27)

Wide View Full Free 3-Stage Mast VFHW (4CYLINDER)

Mast Model	Rated Capacity/ 500mm load center (kg)				Max. Fork Height mm	Overall Mast Height		(2)Free lift with Backrest mm	Tilting Angle F/B deg	(3) Service weight(kg)					
	FG20T3 / FD20T3		FG25T3 / FD25T3			Lowered mm	(1)Raised with Backrest mm			FG20T3 FG20C3			FG25T3 FG25C3		
	FG20C3 / FD20C3Z		FG25C3 / FD25C3Z							S	DD	SDD	S	DD	SDD
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)											
VHW435	1800 *1900	1850 *1900	2200 *2400	2300 *2400	4350	2045	5380	1045	*6-6 6-10	3425	3530	3650	3785	3890	4010
VHW480	1700 *1900	1800 *1900	1900 *2300	2200 *2300	4800	2195	5830	1195	*6-6 6-10	3470	3575	3695	3830	3935	4055
VHW500	1500 *1800	1750 *1800	1600 *2250	2000 *2250	5000	2295	6030	1295	*6-6 6-10	3495	3600	3720	3855	3960	4080
VHW540	1200 *1750	1650 *1750	1300 *2150	1700 *2150	5400	2420	6430	1420	3-6	3520	3625	3745	3880	3985	4105
VHW550	1150 *1750	1600 *1750	1250 *2100	1600 *2100	5500	2460	6530	1460	3-6	3530	3635	3755	3890	3995	4115

NOTE :(1) For height without backrest: -455mm

(2) For free lift without backrest: +455mm

(3) Weight for without backrest: -20kg

Wide View Mast

Wide View Mast VM

Mast Model	Rated Capacity/ 500mm load center (kg)		Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(1) Service weight(kg)		
	FG30T3 / FD30T3 FG30C3 / FD30C3Z			Lowered	Raised with Backrest		FG30T3 FG30C3		
	PNEUMATIC	UNIQUE(SE)					mm	mm	mm
VM250	3000	3000	2500	1820	3760	6-10	4210	4245	4360
VM270	3000	3000	2700	1920	3960	6-10	4225	4260	4375
VM300	3000	3000	3000	2075	4260	6-12	4250	4285	4400
VM330	3000	3000	3300	2225	4560	6-12	4275	4310	4425
VM350	3000	3000	3500	2325	4760	6-12	4290	4325	4440
VM375	3000	3000	3750	2450	5010	6-6 *6-12	4310	4345	4460
VM400	3000	3000	4000	2625	5260	6-6 *6-12	4370	4405	4520
VM425	2900 *3000	3000	4250	2750	5510	6-6 *6-12	4390	4425	4540
VM450	2800 *3000	3000	4500	2875	5760	6-6 *6-12	4410	4445	4560
VM475	2750 *2900	2900	4750	3000	6010	6-6 *6-6	4430	4465	4580
VM500	2700 *2850	2850	5000	3125	6260	6-6 *6-6	4455	4490	4605
VM550	*2400	*2400	5500	3425	6760	*3-6	—	4565	4680
VM600	*2000	*2000	6000	3675	7260	*3-6	—	4605	4720

NOTE :(1) Weight for diesel model: +120kg(C240•TD27)

Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity/ 500mm load center (kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)		
	FG30T3 / FD30T3 FG30C3 / FD30C3Z			Lowered	(1)Raised with Backrest			FG30T3 FG30C3		
	PNEUMATIC	UNIQUE(SE)						mm	mm	SDD
VFM250	3000	3000	2500	1820	3760	600	6-10	4250	4245	4360
VFM270	3000	3000	2700	1920	3960	700	6-10	4265	4260	4375
VFM300	3000	3000	3000	2075	4260	850	6-12	4295	4285	4400
VFM330	3000	3000	3300	2225	4560	1000	6-12	4320	4310	4425
VFM350	3000	3000	3500	2325	4760	1100	6-12	4335	4325	4440
VFM375	3000	3000	3750	2450	5010	1225	6-6 *6-12	4360	4345	4460
VFM400	3000	3000	4000	2625	5260	1400	6-6 *6-12	4425	4405	4520
VFM425	2900 *3000	3000	4250	2750	5510	1525	6-6 *6-12	4445	4425	4540
VFM450	2800 *3000	3000	4500	2875	5760	1650	6-6 *6-12	4465	4445	4560
VFM475	2750 *2900	2900	4750	3000	6010	1775	6-6 *6-6	4490	4465	4580
VFM500	2700 *2850	2850	5000	3125	6260	1900	6-6 *6-6	4510	4490	4605
VFM550	*2400	*2400	5500	3425	6760	2200	*3-6	—	4565	4680
VFM600	*2000	*2000	6000	3675	7260	2450	*3-6	—	4605	4720

NOTE :(1) For height without backrest: -520mm (2) For free lift without backrest: +520mm (3) Weight for without backrest: -30kg Weight for diesel model: +120kg(C240•TD27)

Wide View Full Free 3-Stage Mast VFHM

Mast Model	Rated Capacity/ 500mm load center (kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)		
	FG30T3 / FD30T3 FG30C3 / FD30C3Z			Lowered	(1)Raised with Backrest			FG30T3 FG30C3		
	PNEUMATIC	UNIQUE(SE)						mm	mm	mm
VFHM360	3000	3000	3600	1825	4860	600	6-6 *6-10	4395	4430	4545
VFHM400	3000	3000	4000	1950	5260	725	6-6 *6-10	4425	4460	4575
VFHM435	2900 *3000	2900 *3000	4350	2075	5610	850	6-6 *6-10	4460	4495	4610
VFHM480	2800 *2900	2800 *2900	4800	2225	6060	1000	6-6 *6-10	4495	4530	4645
VFHM500	2600 *2750	2750	5000	2325	6260	1100	6-6 *6-10	4520	4555	4670
VFHM540	1900 *2650	2500 *2650	5400	2450	6660	1225	3-6 *3-6	4555	4590	4705
VFHM600	1400 *2100	1850 *2100	6000	2675	7260	1450	3-6 *3-6	4650	4685	4800
VFHM650	*1700	*1700	6500	2890	7760	1665	*3-3	—	4750	4865
VFHM700	*1350	*1350	7000	3110	8260	1885	*3-3	—	4805	4920

NOTE :(1) For height without backrest: -580mm (2) For free lift without backrest: +580mm (3) Weight for without backrest: -30kg Weight for diesel model: +120kg(C240•TD27)

NOTE :

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

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

Lifting speed with VFM/VFHM mast: with VFM FG 420mm/s with load. 440mm/s without load.
FD(TD27) 460mm/s with load. 530mm/s without load.
(C240) 400mm/s with load. 410mm/s without load.
with VFHM FG 430mm/s with load. 450mm/s without load.
FD(TD27) 480mm/s with load. 550mm/s without load.
(C240) 420mm/s with load. 430mm/s without load.

Lowering speed with VFM/VFHM mast: 400mm/s with load. 350mm/s without load.

Overall vehicle length with VFHM mast: +15mm longer than of standard model with VM/VFM mast.

Wide View Mast

Wide View Full Free 2-Stage Mast VFW (4CYLINDER)

Mast Model	Rated Capacity/ 500mm load center (kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)		
	FG30T3 / FD30T3 FG30C3 / FD30C3Z			Lowered	(1)Raised with Backrest			FG30T3 FG30C3		
	PNEUMATIC	UNIQUE(SE)						mm	mm	mm
VFW300	2900	2900	3000	2125	4260	900	6-12	4310	4345	4495
VFW330	2900	2900	3300	2275	4560	1050	6-12	4335	4370	4520
VFW350	2900	2900	3500	2375	4760	1150	6-12	4355	4390	4540
VFW375	2900	2900	3750	2500	5010	1275	6-6 *6-12	4375	4410	4560
VFW400	2900	2900	4000	2675	5260	1450	6-6 *6-12	4440	4475	4625

NOTE :(1) For height without backrest: -580mm
(2) For free lift without backrest: +580mm
(3) Weight for without backrest: -30kg
Weight for diesel model: +120kg(C240•TD27)

Wide View Full Free 3-Stage Mast VFHW (4CYLINDER)

Mast Model	Rated Capacity/ 500mm load center (kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)		
	FG30T3 / FD30T3 FG30C3 / FD30C3Z			Lowered	(1)Raised with Backrest			FG30T3 FG30C3		
	PNEUMATIC	UNIQUE(SE)						mm	mm	mm
VHW435	2800 *2900	2900	4350	2125	5610	900	6-6 *6-10	4470	4505	4655
VHW480	2700 *2800	2800	4800	2275	6060	1050	6-6 *6-10	4510	4545	4695
VHW500	2600 *2750	2750	5000	2375	6260	1150	6-6 *6-10	4535	4570	4720
VHW540	1900 *2650	2500 *2650	5400	2500	6660	1275	3-6	4565	4600	4750
VHW550	1900 *2600	2350 *2600	5500	2540	6760	1315	3-6	4575	4610	4760

NOTE :(1) For height without backrest: -580mm
(2) For free lift without backrest: +580mm
(3) Weight for without backrest: -30kg
Weight for diesel model: +120kg(C240•TD27)

NOTE :

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

Lifting speed with VFM/VFHM mast: with VFM FG 360mm/s with load. 420mm/s without load.
FD(TD27) 430mm/s with load. 500mm/s without load.
(C240) 370mm/s with load. 390mm/s without load.
with VFHM FG 380mm/s with load. 430mm/s without load.
FD(TD27) 450mm/s with load. 520mm/s without load.
(C240) 310mm/s with load. 410mm/s without load.

Lowering speed with VFM/VFHM mast: 400mm/s with load. 350mm/s without load.

Overall vehicle length with VFW/VFHW(4CYLINDER) mast: +35mm/+45mm longer than of standard model with VM mast.

Wide View Mast

Wide View Mast VM

Mast Model	Rated Capacity/ 500mm load center(kg)						Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(2) Service weight(kg)										
	FHG20T3 / FHD20T3A		FHG25T3 / FHD25T3A		FHG30T3 / FHD30T3A			(1) Lowered	(1) Raised with Backrest			FHG20T3 FHG20C3			FHG25T3 FHG25C3			FHG30T3 FHG30C3			
	FHG20C3 / FHD20C3A		FHG25C3 / FHD25C3A		FHG30C3 / FHD30C3A							S	DD	SDD	S	DD	SDD	S	DD	SDD	
	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE															
VM250	2000	2000	2500	2500	3000	3000	2500	1780	3530	6-10	3190	3295	3310	3540	3645	3660	4220	4255	4370		
VM270	2000	2000	2500	2500	3000	3000	2700	1880	3730	6-10	3205	3310	3325	3555	3660	3675	4235	4270	4385		
VM300	2000	2000	2500	2500	3000	3000	3000	2030	4030	6-12	3230	3335	3350	3580	3685	3700	4260	4295	4410		
VM330	2000	2000	2500	2500	3000	3000	3300	2180	4330	6-12	3255	3360	3375	3605	3710	3725	4285	4320	4435		
VM350	2000	2000	2500	2500	3000	3000	3500	2280	4530	6-12	3270	3375	3390	3620	3725	3740	4300	4335	4450		
VM375	2000	2000	2500	2500	3000	3000	3750	2405	4780	6-6 *6-12	3290	3395	3410	3640	3745	3760	4320	4355	4470		
VM400	2000	2000	2500	2500	3000	3000	4000	2580	5030	6-6 *6-12	3345	3450	3465	3695	3800	3815	4380	4415	4530		
VM425	1950 *2000	1950 *2000	2450 *2500	2450 *2500	2900 *3000	3000	4250	2705	5280	6-6 *6-12	3365	3470	3485	3715	3820	3835	4400	4435	4550		
VM450	1900 *1950	1900 *1950	2150 *2450	2350 *2450	2800 *3000	3000	4500	2830	5530	6-6 *6-12	3385	3490	3505	3735	3840	3855	4420	4455	4570		
VM475	1800 *1850	1800 *1850	1850 *2350	2200 *2350	2750 *2900	2900	4750	2955	5780	6-6 *6-6	3405	3510	3525	3755	3860	3875	4440	4475	4590		
VM500	1650 *1700	1700 *2250	1700 *2250	2000 *2850	2700 *2850	2850	5000	3080	6030	6-6 *6-6	3425	3530	3545	3775	3880	3895	4465	4500	4615		
VM550	*1500	*1500	*1700	*1700	*2400	*2400	5500	3380	6530	*3-6	—	3605	3620	—	3955	3970	—	4575	4690		
VM600	*1300	*1300	*1400	*1400	*2000	*2000	6000	3630	7030	*3-6	—	3645	3660	—	3995	4010	—	4615	4730		

NOTE :(1) Figures for [2t, 2.5t model] . For [3t model] +45mm
(2) Weight for diesel model: [2t model]+120kg, [2.5t model]+120kg, [3t model]+130kg.

Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity/ 500mm load center(kg)						Max. Fork Height	Overall Mast Height			(3)Free lift with Backrest	Tilting Angle F/B	(4) Service weight(kg)										
	FHG20T3 / FHD20T3A		FHG25T3 / FHD25T3A		FHG30T3 / FHD30T3A			(1) Lowered	(2)Raised with Backrest				FHG20T3 FHG20C3			FHG25T3 FHG25C3			FHG30T3 FHG30C3				
	FHG20C3 / FHD20C3A		FHG25C3 / FHD25C3A		FHG30C3 / FHD30C3A								S	DD	SDD	S	DD	SDD	S	DD	SDD		
	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE																	
VFM250	2000	2000	2500	2500	3000	3000	2500	1780	3530	780	6-10	3245	3350	3365	3595	3700	3715	4260	4295	4410			
VFM270	2000	2000	2500	2500	3000	3000	2700	1880	3730	880	6-10	3265	3370	3385	3615	3720	3735	4275	4310	4425			
VFM300	2000	2000	2500	2500	3000	3000	3000	2030	4030	1030	6-12	3290	3395	3410	3640	3745	3760	4305	4340	4455			
VFM330	2000	2000	2500	2500	3000	3000	3300	2180	4330	1180	6-12	3315	3420	3435	3665	3770	3785	4330	4365	4480			
VFM350	2000	2000	2500	2500	3000	3000	3500	2280	4530	1280	6-12	3330	3435	3450	3680	3785	3800	4345	4380	4495			
VFM375	2000	2000	2500	2500	3000	3000	3750	2405	4780	1405	6-6 *6-12	3350	3455	3470	3700	3805	3820	4370	4405	4520			
VFM400	2000	2000	2500	2500	3000	3000	4000	2580	5030	1580	6-6 *6-12	3410	3515	3530	3760	3865	3880	4435	4470	4585			
VFM425	1950 *2000	1950 *2000	2450 *2500	2450 *2500	2900 *3000	3000	4250	2705	5280	1705	6-6 *6-12	3430	3535	3550	3780	3885	3900	4455	4490	4605			
VFM450	1900 *1950	1900 *1950	2150 *2450	2350 *2450	2800 *3000	3000	4500	2830	5530	1830	6-6 *6-12	3455	3560	3575	3805	3910	3925	4475	4510	4625			
VFM475	1800 *1850	1800 *1850	1850 *2350	2200 *2350	2750 *2900	2900	4750	2955	5780	1955	6-6 *6-6	3475	3580	3595	3825	3930	3945	4500	4535	4650			
VFM500	1650 *1700	1700 *2250	1700 *2250	2000 *2850	2700 *2850	2850	5000	3080	6030	2080	6-6 *6-6	3495	3600	3615	3845	3950	3965	4520	4555	4670			
VFM550	*1500	*1500	*1700	*1700	*2400	*2400	5500	3380	6530	2380	*3-6	—	3680	3695	—	4030	4045	—	4640	4755			
VFM600	*1300	*1300	*1400	*1400	*2000	*2000	6000	3630	7030	2630	*3-6	—	3720	3735	—	4070	4085	—	4685	4800			

NOTE :(1) Figures for [2t, 2.5t model] . For [3t model] +45mm
(2) Figures for [2t, 2.5t model] . For [3t model] +230mm
For height without backrest: [2t, 2.5t model] -385mm , [3t model] -520mm
(3) Figures for [2t, 2.5t model] . For [3t model] -180mm
For free lift without backrest: [2t, 2.5t model] +385mm, [3t model] +520mm
(4) Weight for without backrest: [2t, 2.5t model] -20kg, [3t model] -30kg
Weight for diesel model: [2t model]+120kg, [2.5t model]+120kg, [3t model]+130kg.

Wide View Full Free 3-Stage Mast VFHM

Mast Model	Rated Capacity/ 500mm load center(kg)						Max. Fork Height	Overall Mast Height			(3)Free lift with Backrest	Tilting Angle F/B	(4) Service weight(kg)								
	FHG20T3 / FHD20T3A		FHG25T3 / FHD25T3A		FHG30T3 / FHD30T3A			(1) Lowered	(2)Raised with Backrest				FHG20T3 FHG20C3			FHG25T3 FHG25C3			FHG30T3 FHG30C3		
	FHG20C3 / FHD20C3A		FHG25C3 / FHD25C3A		FHG30C3 / FHD30C3A								S	DD	SDD	S	DD	SDD	S	DD	SDD
	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)	PNEUMATIC	UNIQUE(SE)															
VFHM360	2000	2000	2500	2500	3000	3000	3600	1780	4630	780	6-6 *6-10	3385	3490	3505	3735	3840	3855	4405	4440	4555	
VFHM400	2000	2000	2500	2500	3000	3000	4000	1905	5030	905	6-6 *6-10	3415	3520	3535	3765	3870	3885	4435	4470	4585	
VFHM435	1900 *2000	1900 *2000	2200 *2400	2300 *2400	2900 *3000	2900 *3000	4350	2030	5380	1030	6-6 *6-10	3445	3550	3565	3795	3900	3915	4470	4505	4620	
VFHM480	1700 *1900	1800 *1900	1900 *2300	2200 *2300	2800 *2900	2800 *2900	4800	2180	5830	1180	6-6 *6-10	3475	3580	3595	3825	3930	3945	4505	4540	4655	
VFHM500	1500 *1800	1750 *1800	1600 *2250	2000 *2250	2600 *2750	2750	5000	2280	6030	1280	6-6 *6-10	3500	3605	3620	3850	3955	3970	4530	4565	4680	
VFHM540	1200 *1750	1650 *1750	1300 *2150	1700 *2150	1900 *2650	2500 *2650	5400	2405	6430	1405	3-6 *3-6	3530	3635	3650	3880	3985	4000	4565	4600	4715	
VFHM600	900 *1650	1100 *1650	950 *1800	1100 *1800	1400 *2100	1850 *2100	6000	2630	7030	1630	3-6 *3-6	3625	3730	3745	3975	4080	4095	4660	4695	4810	
VFHM650	*1500	*1500	*1550	*1550	*1700	*1700	6500	2845	7530	1845	*3-3	—	3785	3800	—	4135	4150	—	4760	4875	
VFHM700	*1250	*1250	*1250	*1250	*1350	*1350	7000	3065	8030	2065	*3-3	—	3840	3855	—	4190	4205	—	4815	4930	

NOTE :(1) Figures for [2t, 2.5t model] . For [3t model] +45mm
(2) Figures for [2t, 2.5t model] . For [3t model] +230mm
For height without backrest: [2t, 2.5t model] -455mm, [3t model] -580mm
(3) Figures for [2t, 2.5t model] . For [3t model] -180mm
For free lift without backrest: [2t, 2.5t model] +455mm, [3t model] +580mm
(4) Weight for without backrest: [2t, 2.5t model] -20kg, [3t model] -30kg
Weight for diesel model: [2t model]+120kg, [2.5t model]+120kg, [3t model]+130kg.

Wide View Mast

Wide View Full Free 2-Stage Mast VFW (4CYLINDER)

Mast Model	Rated Capacity/ 500mm load center(kg)						Max. Fork Height	Overall Mast Height			(3)Free lift with Backrest	Tilting Angle F/B	(4) Service weight(kg)								
	FHG20T3 / FHD20T3A		FHG25T3 / FHD25T3A		FHG30T3 / FHD30T3A			(1) Lowered	(2)Raised with Backrest				FHG20T3 FHG20C3			FHG25T3 FHG25C3			FHG30T3 FHG30C3		
	FHG20C3 / FHD20C3A		FHG25C3 / FHD25C3A		FHG30C3 / FHD30C3A								S	DD	SDD	S	DD	SDD	S	DD	SDD
	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE	PNEUMATIC	UNIQUE/SE							mm	mm	mm	deg					
VFW300	1900	1900	2400	2400	2900	2900	3000	2045	4030	1045	6-12	3300	3405	3525	3650	3755	3875	4320	4355	4505	
VFW330	1900	1900	2400	2400	2900	2900	3000	2195	4330	1195	6-12	3330	3435	3555	3680	3785	3905	4345	4380	4530	
VFW350	1900	1900	2400	2400	2900	2900	3500	2295	4530	1295	6-12	3345	3450	3570	3695	3800	3920	4365	4400	4550	
VFW375	1800 *1900	1800 *1900	2350	2350	2900	2900	3750	2420	4780	1420	*6-6 6-12	3370	3475	3595	3720	3825	3945	4385	4420	4570	
VFW400	1800 *1900	1800 *1900	2300 *2350	2300 *2350	2900	2900	4000	2595	5030	1595	*6-6 6-12	3430	3535	3655	3780	3885	4005	4450	4485	4635	

Wide View Mast

Wide View Mast VM

Mast Model	Rated Capacity / 500mm load center(kg)		Max. Fork Height	Overall Mast Height		Tilting Angle F/B	(1) Service weight(kg)	
	FG/D35T3S			Lowerd	Raised with Backrest		FG35T3S	
	PNEUMATIC	UNIQUE(SE)				mm	mm	mm
VM250	3500	3500	2500	1885	3760	6-10	4770	4785
VM270	3500	3500	2700	1985	3960	6-10	4790	4805
VM300	3500	3500	3000	2135	4260	6-12	4820	4835
VM330	3500	3500	3300	2285	4560	6-12	4850	4865
VM350	3500	3500	3500	2385	4760	6-12	4870	4885
VM375	3500	3500	3750	2510	5010	6-6 *6-12	4890	4905
VM400	3500	3500	4000	2685	5260	6-6 *6-12	4960	4975
VM425	3500	3500	4250	2810	5510	6-6 *6-12	4985	5000
VM450	3400	3450	4500	2935	5760	6-6 *6-12	5005	5020
VM475	3400	3400	4750	3060	6010	6-6	5030	5045
VM500	3300	3350	5000	3185	6260	6-6	5055	5070
VM550	*3200	*3200	5500	3485	6760	*3-6	—	5160
VM600	*2400	*2400	6000	3735	7260	*3-6	—	5205

NOTE : (1) Weight for diesel model: +120kg (QD32)

Wide View Full Free 2-Stage Mast VFM

Mast Model	Rated Capacity / 500mm load center(kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)	
	FG/D35T3S			Lowerd	(1)Raised with Backrest			FG35T3S	
	PNEUMATIC	UNIQUE(SE)						mm	mm
VFM250	3500	3500	2500	1885	3760	655	6-10	4860	4875
VFM270	3500	3500	2700	1985	3960	755	6-10	4880	4895
VFM300	3500	3500	3000	2135	4260	905	6-12	4910	4925
VFM330	3500	3500	3300	2285	4560	1055	6-12	4945	4960
VFM350	3500	3500	3500	2385	4760	1155	6-12	4965	4980
VFM375	3500	3500	3750	2510	5010	1280	6-6 *6-12	4995	5010
VFM400	3500	3500	4000	2685	5260	1455	6-6 *6-12	5065	5080
VFM425	3500	3500	4250	2810	5510	1580	6-6 *6-12	5095	5110
VFM450	3400	3400	4500	2935	5760	1705	6-6 *6-12	5120	5135
VFM475	3300	3300	4750	3060	6010	1830	6-6	5145	5160
VFM500	3200	3250	5000	3185	6260	1955	6-6	5175	5190
VFM550	*3000	*3000	5500	3485	6760	2255	*3-6	—	5285
VFM600	*2400	*2400	6000	3735	7260	2505	*3-6	—	5340

NOTE : (1) For height without backrest: -445mm
(2) For free lift without backrest: +445mm
(3) Weight for without backrest: -30kg
Weight for diesel model: +120kg (QD32)

Wide View Full Free 3-Stage Mast VFHM

Mast Model	Rated Capacity / 500mm load center(kg)		Max. Fork Height	Overall Mast Height		(2)Free lift with Backrest	Tilting Angle F/B	(3) Service weight(kg)	
	FG/D35T3S			Lowerd	(1)Raised with Backrest			FG35T3S	
	PNEUMATIC	UNIQUE(SE)						S	DD
			mm	mm	mm	mm	deg		
VFHM360	3500	3500	3600	1885	4860	655	6-6 *6-10	4975	4990
VFHM400	3500	3500	4000	2010	5260	780	6-6 *6-10	5010	5025
VFHM435	3500	3500	4350	2135	5610	905	6-6 *6-10	5040	5055
VFHM480	3400	3400	4800	2285	6060	1055	6-6 *6-10	5080	5095
VFHM500	3300	3300	5000	2385	6260	1155	6-6 *6-10	5110	5125
VFHM540	2600 *3200	2700 *3200	5400	2510	6660	1280	3-6 *3-6	5140	5155
VFHM600	1600 *2400	2000 *2400	6000	2735	7260	1505	3-6 *3-6	5250	5265
VFHM650	*2000	*2000	6500	2950	7760	1720	*3-3	—	5330
VFHM700	*1600	*1600	7000	3170	8260	1940	*3-3	—	5390

NOTE : (1) For height without backrest: -530mm
(2) For free lift without backrest: +530mm
(3) Weight for without backrest: -30kg
Weight for diesel model: +120kg (QD32)

NOTE :
Rated capacity with (*): Shows capacity with front dual tires.
Lifting speed with VFM/VFHM mast: with VFM 390mm/s with load. 410mm/s without load.
with VFHM 450mm/s with load. 470mm/s without load.
Lowering speed with VFM/VFHM mast: 440mm/s with load. 380mm/s without load.
Overall vehicle length with VFHM mast: +15mm longer than of standard model with VM/VFM mast.

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 sedimenter (Diesel)
 - Full hydrostatic power steering
 - Full transistorized ignition (Gasoline)
 - Hydraulic oil dipstick
 - Interlock system¹⁾
 - ITA class III 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)
 - 1070mm forks
 - 2-spool control valve with pressure relief
- [Controls]
- Electric shift control lever (direction change)
 - Lift and tilt levers
 - Multi-function switch lever with self-cancelling mechanism (Lighting & turn-signal)
 - Parking brake lever with inter-lock
 - Tilt adjustable steering post
 - Neutral safety mechanism

[Accessories]

- Access-assisted hand grip
- Back-up buzzer
- Back-up lights
- Deluxe floor mat
- Detachle and portable glove box
- Electric horn
- Front combination lights (turn signal, clearance)
- Head lights - trafic 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
- Glow indicator (Diesel)
- Hourmeter
- Ignition key engine stop (Diesel)
- Neutral safety switch
- Fuel water sedimenter indicator (Diesel)
- Water temperature gauge

OPTIONAL LOADING ATTACHMENT

[Equipment]

- Alternative fork lengths
- Alternative lengths fork extension sleeve
- Bale clamp (LG)
- Carton clamp(2-3t) (CLG)
- Crane arm (CA)
- Drum clamp(2-3t) (DLG)
- Fork clamp(2-3t) (FLG)
- Fork positioner hydraulic type(Hook-on/ Integral)(FS)
- Fork positioner manual type
- High, wide type load backrest
- Hinged forks/ scoop (HFS)
- Load push-pull(2-3t) (PPC)
- Load stabilizer(2-3t) (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
- Wide view full free 2-stage 4cyl (VFW) mast(2-3t)
- Wide view full free 3-stage 4cyl (VFHW) mast(2-3t)

OPTIONAL EQUIPMENT AND ACCESSORIES

[Equipment]

- Auxiliary hydraulic valve modules(max. 5spool)
- Cabin - panel type(SCBPA)
- Central greasing system (CL)
- Color tire (white, green)
- Dual element aircleaner(ADE)
- Exhaust purify catalytic muffler(EPM)(Diesel)
- Fingertip hydraulic valve control (FIT)
- Fishery industry package (FC)(2-3t)
- Front dual drive wheels(DD/ SDD)
- Full open cabine(AW 061)
- Heater(HR)
- Heater & defroster (DEF)
- High capacity radiator - High power model(RAD PF2)
- Interlock system¹⁾ (SIL)
- Lift lock mechanism (VLL)
- Load sensing valve (VLS)
- LPG exclusive/ Dual fuel(LPG - Gasoline) package
- Non-slip differential(power shift T/M)
- Oil clutch(manual T/M)
- Overhead exhaust system(TUE)
- Overhead guard/ High profile
- Overhead guard/ Low profile
- Plate fin type radiator(RAD PF)
- Power clutch(manual T/M)
- Pre-cleaner engine air intake(CAK B)(Gasoline)
- Radiator dust screen (fine, medium mesh)
- Smoke reduction/spark arrester muffler (Diesel)
- Steel cabin - enclosed type(SCB 001)
- Synchronised steering mechanism(SRS)
- Unique cushion tires(SE)
- Windshield wiper

[Accessories]

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

[Instruments and Switch]

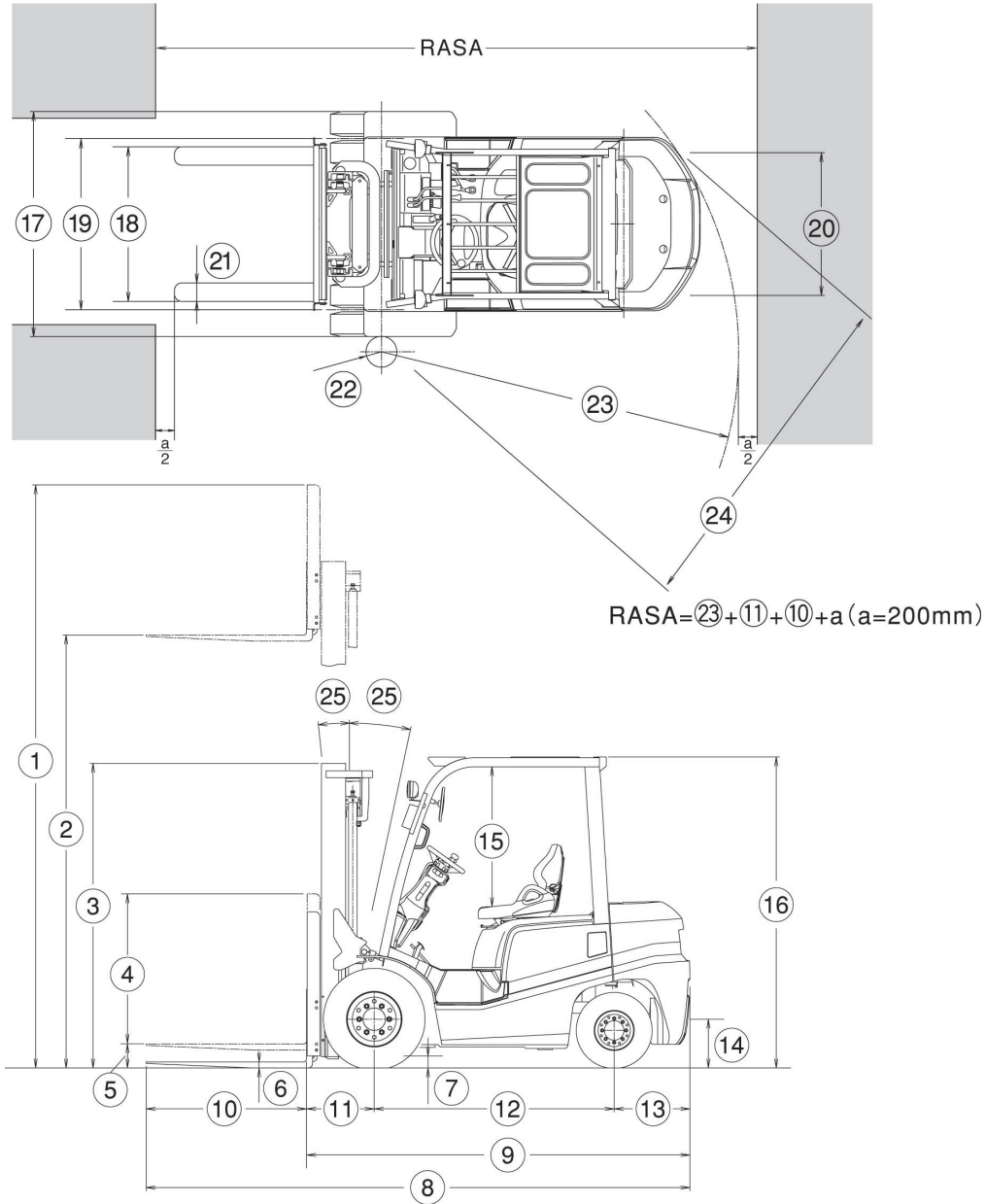
- Ammeter (AM)
- O.K. monitor (fuel level, battery electrolyte level, coolant level, parking brake, air-cleaner, seat-belt)
- Speedometer (SM)
- Torque converter oil pressure gauge (TPM)
- Torque converter oil temperature gauge (power shift T/M)

Others on request

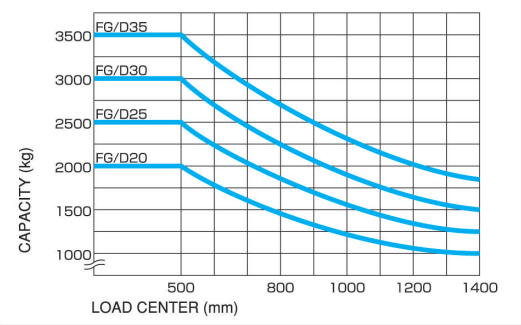
NOTE : 1) STD for EXE specification

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.

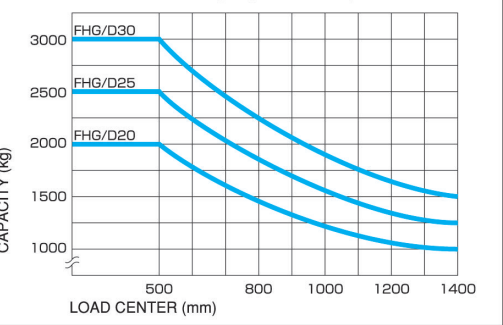
GROUND CLEARANCE	FD / FG20-25 FHD / FHG20-25	FD / FG30 FHD / FHG30	FD/FG35T3S
	mm	mm	mm
Mast	110	140	145
Frame	120	145	190
Front axle	125	145	165
Rear axle	150	175	185
Counter weight	155	185	225



LOAD CHART 2-3.5t



LOAD CHART 2-3t(High Power)



STANDARD DIMENSIONS

STANDARD DIMENSIONS

Model	FD / FG20 FHD / FHG20	FD / FG25 FHD / FHG25	FD / FG30 FHD / FHG30	FD/FG35T3S
	mm	mm	mm	mm
① Overall height, fork raised(with backrest)	4030	4030	4260	4255
② Maximum fork height	3000	3000	3000	3000
③ Mast height, fork lowered	2030	2030	2075	2135
④ Backrest height	1000	1000	1220	1220
⑤ Free lift	110	110	165	170
⑥ Fork thickness	40	40	45	50
⑦ Ground clearance(front axle)	125	125	145	145/165
⑧ Overall length(with forks)	3555	3625	3775	3870
⑨ Length to fork face	2485	2555	2705	2800
⑩ Fork length	1070	1070	1070	1070
⑪ Load distance(centerline of front axle to front face of forks)	450	450	480	495
⑫ Wheelbase	1600	1600	1700	1700
⑬ Rear overhang	435	505	525	605
⑭ Drawbar Pin Center Height	530	530	560	610
⑮ Overhead guard clearance(from face of seat)*	1005	1005	1005	1005
⑯ Overall height(overhead guard)*	2070	2070	2090	2140
⑰ Overall width	1150	1150	1225	1290
⑱ Fork spread(outside)	245 - 1020	245 - 1020	250 - 1090	300 - 1090
⑲ Tread (front)	970	970	1000	1060
⑳ Tread (rear)	970	970	970	970
㉑ Fork width	122	122	125	150
㉒ Inside turning radius	160	160	200	200
㉓ Outside turning radius	2170	2240	2400	2470
㉔ Minimum intersecting aisle	2210	2230	2330	2390/2380
㉕ Tilt angles(forward-backward)	6° - 12°	6° - 12°	6° - 12°	6° - 12

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

DIMENSIONS WITH FRONT DUAL DRIVE WHEELS (option)

Model	FD / FG20 FHD / FHG20	FD / FG25 FHD / FHG25	FD / FG30 FHD / FHG30	FD/FG35T3S
	mm	mm	mm	mm
Tire size (front dual Type: DD)		4 x 5.50-15-8PR(I)	4 x 6.00-15-10PR(I)	
⑰ Overall width	1480	1480	1520	1600
⑲ Tread (front)	1130	1130	1170	1230
㉒ Inside turning radius	100	100	100	100
㉓ Outside turning radius	2240	2310	2430	2540
㉔ Minimum intersecting aisle	2320	2340	2445	2500

Tire size (front dual Type: SDD)		4 x 7.00 -12-12PR(I)	4 x 28 x 9-15-12PR(I)
		mm	mm
⑰ Overall width		1590	1750
⑲ Tread (front)		1190	1260
㉒ Inside turning radius		100	100
㉓ Outside turning radius		2280	2350
㉔ Minimum intersecting aisle		2370	2380



- UniCarriers Corporation 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.
- Photos and illustrations may slightly differ from the actual trucks.
- Photos and illustrations may or may not include optional equipment and accessories.
- Features and specifications may vary depending on markets.
- Performance data and dimensions are nominal and subject to tolerances.
- Produced in ISO certified factory.