M series 4.0-mini5.0t LPG forklift

General	1	Basic Model			FL40T-M	FL45T-M	FL50T-M
	2	Type			WE3		
	3	Power type			LPG	LPG	LPG
	4	Rated capacity		kg	4000	4500	5000
	5	Load centre		mm	500	500	500
Characteristic&Dimension	6	Lift height		mm	3000	3000	3000
	7	Free lift height		mm	150	155	155
	8	Fork size	L×W×T	mm	1070×150×50	1070×150×55	1070×150×55
	9	Fork regulating range	Min./Max.	mm	300/1380	300/1380	300/1380
	10	Mast tilt angle	F/R	Deg	6°/12°	6°/12°	6°/12°
	11	Front overhang		mm	590	595	595
	12	Rear overhang		mm	550	570	614
	13	Min. ground clearance(Bottom of mast)		mm	180	175	170
	14	Overall dimensions	Length to face of fork(without fork)	mm	3140	3160	3204
	15		Overall width	mm	1480	1480	1480
	16		Mast lowered height	mm	2265	2265	2265
	17		Mast extended height(with backrest)	mm	4225	4225	4225
	18		Overhead guard height	mm	2265	2265	2265
	19	Turning radius(outside)		mm	2740	2760	2810
	20	Min. right angle stacking aisle width(add load length and clearance)		mm	2450	2500	2550
Performance	21	Speed	Travel(Unladen)	km/h	22	22	22
	22		Lifting(Laden)	mm/s	440	440	440
	23		Lowering(Laden)	mm/s	500	500	500
	24	Max. Drawbar pull(Laden/unladen)		KN	22	22	22
	25	Max. Gradeability(Laden)		%	19	18	17
Chassis	26	Tyre	Front		300-15-18PR	300-15-18PR	300-15-18PR
	27		Rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	28	Tread	Front	mm	1180	1180	1180
	29		Rear	mm	1190	1190	1190
	30	Wheelbase		mm	2000	2000	2000
	31	Fuel tank capacity		L	/	/	/
Weight	32	Self weight		kg	6600	6800	7100
	33	Weight Distribution	Laden / Front Axle	kg	9010	9750	10500
	34		Laden / Rear Axle	kg	1590	1550	1600
	35		Unladen / Front Axle	kg	2750	2710	2680
	36		Unladen / Rear Axle	kg	3850	4090	4420
Battery	37	Battery	Voltage/Capacity	V/Ah	12/60	12/60	12/60
Transmission	38	Transmission	Manufacture		China	China	China
	39		Type		Powershift	Powershift	Powershift
	40		Stage / F/R		2/1	2/1	2/1
	41	Operating pressure(For attachments)		MPa	19	19	19



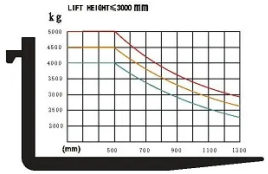
GM

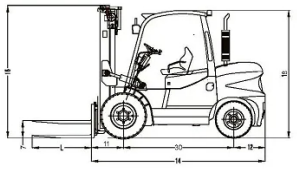
Type:WE3
Model:GM4.3L
Rated output: 63kw/2000rpm
Rated torque:298N·m/1200rpm
No. of cylinder:6
Bore×Stroke:101.6×88.39mm
Displacement:4.3L

M Series 4.0-mini5.0t LPG mast

Type	Model	Max. fork height	Overall height									Free lift				Front Overhang			Tilt range		Capacity			
			Lowered			Extended						Without backrest		With backrest					FWD	BWD	Load capacity at 500mm			
						Without backrest			With backrest												Single tire			
			4t	4.5t	mini5t	4t	4.5t	mini5t	4t	4.5t	mini5t	4t	4.5-5t	4t	4.5-5t	4t	4.5t	mini5t			4t	4.5t	mini5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg	kg
Wide view 2-stage mast	M300	3000	2265	2265	2265	3818	3818	3818	4225	4225	4225	150	155	150	155	590	590	595	6	12	4000	4500	5000
	M330	3300	2415	2415	2415	4118	4118	4118	4525	4525	4525	150	155	150	155	590	590	595	6	12	4000	4500	5000
	M350	3500	2515	2515	2515	4318	4318	4318	4725	4725	4725	150	155	150	155	590	590	595	6	12	3950	4450	4950
	M375	3750	2640	2640	2640	4568	4568	4568	4975	4975	4975	150	155	150	155	590	590	595	6	12	3880	4380	4880
	M400	4000	2815	2815	2815	4818	4818	4818	5225	5225	5225	150	155	150	155	590	590	595	6	6	3800	4300	4800
	M425	4250	2940	2940	2940	5068	5068	5068	5475	5475	5475	150	155	150	155	590	590	595	6	6	3550	4050	4500
	M450	4500	3065	3065	3065	5318	5318	5318	5725	5725	5725	150	155	150	155	590	590	595	6	6	3300	3800	4200
	M475	4750	3190	3190	3190	5568	5568	5568	5975	5975	5975	150	155	150	155	590	590	595	6	6	3050	3550	3900
	M500	5000	3315	3315	3315	5818	5818	5818	6225	6225	6225	150	155	150	155	590	590	595	6	6	2800	3200	3600
	M550	5500	3615	3615	3615	6318	6318	6318	6725	6725	6725	150	155	150	155	590	590	595	3	6	2250	2600	2950
	M600	6000	3865	3865	3865	6818	6818	6818	7225	7225	7225	150	155	150	155	590	590	595	3	6	1700	2100	2300
Full free 2-stage mast	FM300	3000	2385	2385	2385	3828	3828	3828	4225	4225	4225	1515		1130		600	600	605	6	12	4000	4500	5000
	FM330	3300	2535	2535	2535	4128	4128	4128	4525	4525	4525	1665		1280		600	600	605	6	12	4000	4500	5000
	FM350	3500	2635	2635	2635	4328	4328	4328	4725	4725	4725	1765		1380		600	600	605	6	12	4000	4500	5000
	FM375	3750	2760	2760	2760	4578	4578	4578	4975	4975	4975	1900		1505		600	600	605	6	12	4000	4500	5000
	FM400	4000	2935	2935	2935	4828	4828	4828	5225	5225	5225	2065		1680		600	600	605	6	6	3750	4250	4750
Full free 3-stage mast	TFM392	3920	2240	2240	2240	4748	4748	4748	5120	5120	5120	1350		970		630	630	635	6	6	3500	4000	4500
	TFM435	4350	2385	2385	2385	5178	5178	5178	5575	5575	5575	1495		1115		630	630	635	6	6	3400	3800	4200
	TFM450	4500	2436	2436	2436	5328	5328	5328	5725	5725	5725	1546		1165		630	630	635	6	6	3300	3700	4100
	TFM470	4700	2502	2502	2502	5528	5528	5528	5925	5925	5925	1612		1230		630	630	635	6	6	3100	3500	3900
	TFM480	4800	2535	2535	2535	5628	5628	5628	6025	6025	6025	1645		1265		630	630	635	6	6	3000	3400	3800
	TFM500	5000	2635	2635	2635	5828	5828	5828	6225	6225	6225	1745		1365		630	630	635	6	6	2700	3100	3500
	TFM540	5400	2760	2760	2760	6228	6228	6228	6625	6625	6625	1870		1490		630	630	635	3	6	2100	2500	2850
	TFM600	6000	3000	3000	3000	6828	6828	6828	7225	7225	7225	2110		1730		630	630	635	3	6	1600	2000	2300

Load Chart





A=200mmsafetyclearance

$$AST = a + ⑪ + ⑲ + \sqrt{W^2 + B^2/2}$$

