

M Series 4.0-mini5.0t IC forklift mast

Type	Model	Max. fork height	Overall height															Free lift						Tilt range		Capacity		
			Lowered			Extended						Without backrest			With backrest			Front Overhang			FWD	BWD	Load capacity at 500mm					
			4t	4.5t	mini5t	Without backrest			With backrest			4t	4.5-5t	4t	4.5-5t	4t	4.5t	mini5t	4t	4.5t			mini5t	Single tire				
						mm	mm	mm	mm	mm	mm										mm	mm		mm	mm	mm	mm	mm
Wide view, 2-stage mast	M330	3300	2415	2415	2415	4130	4130	4130	4520	4520	4520	150	155	150	155	590	590	595	6	12	4000	4500	5000					
	M350	3500	2515	2515	2515	4330	4330	4330	4720	4720	4720	150	155	150	155	590	590	595	6	12	4000	4500	5000					
	M375	3750	2640	2640	2640	4580	4580	4580	4970	4970	4970	150	155	150	155	590	590	595	6	12	3880	4380	4880					
	M400	4000	2815	2815	2815	4830	4830	4830	5220	5220	5220	150	155	150	155	590	590	595	6	6	3800	4300	4800					
	M450	4500	3065	3065	3065	5330	5330	5330	5720	5720	5720	150	155	150	155	590	590	595	6	6	3300	3800	4200					
	M500	5000	3315	3315	3315	5830	5830	5830	6220	6220	6220	150	155	150	155	590	590	595	6	6	2800	3200	3600					
Full free, 2-stage mast	M550	5500	3615	3615	3615	6330	6330	6330	6720	6720	6720	150	155	150	155	590	590	595	3	6	2250	2600	2950					
	M600	6000	3865	3865	3865	6830	6830	6830	7220	7220	7220	150	155	150	155	590	590	595	3	6	1700	2100	2400					
	FM300	3000	2385	2385	2385	3840	3840	3840	4220	4220	4220	1165	1545	600	600	605	6	12	4000	4500	5000							
	FM330	3300	2535	2535	2535	4140	4140	4140	4520	4520	4520	1315	1695	600	600	605	6	12	4000	4500	5000							
	FM350	3500	2635	2635	2635	4340	4340	4340	4720	4720	4720	1415	1795	600	600	605	6	12	4000	4500	5000							
	TFM392	3920	2240	2240	2240	5178	5178	5178	5570	5570	5570	1020	1400	630	630	635	6	6	3400	3800	4200							
Full free, 3-stage mast	TFM450	4500	2436	2436	2436	5340	5340	5340	5720	5720	5720	1216	1595	630	630	635	6	6	3300	3700	4100							
	TFM480	4800	2535	2535	2535	5640	5640	5640	6020	6020	6020	1315	1695	630	630	635	6	6	3000	3400	3800							
	TFM500	5000	2635	2635	2635	5840	5840	5840	6220	6220	6220	1415	1795	630	630	635	6	6	2700	3100	3500							
	TFM540	5400	2760	2760	2760	6240	6240	6240	6620	6620	6620	1540	1920	630	630	635	3	6	2100	2500	2850							
	TFM600	6000	3000	3000	3000	6840	6840	6840	7220	7220	7220	1780	2160	630	630	635	3	6	1600	2000	2300							
	TFM650	6500	3215	3215	3215	7340	7340	7340	7720	7720	7720	1995	2375	630	630	635	3	6	1200	1500	1700							

Zhejiang Maximal Forklift Co.,Ltd.

Address

No.1,Jinxin Road,Lushan Industrial area, Fuyang,Zhejiang China

Tel 0086 571 28037691 / 28935028 / 28815951 / 28001566

Fax 0086 571 28001569

Website www.maxforklift.com

Email info@maxforklift.com

For service
service@maxforklift.com

For spare parts
parts@maxforklift.com

All rights reserved.

Any doubt,please contact us.



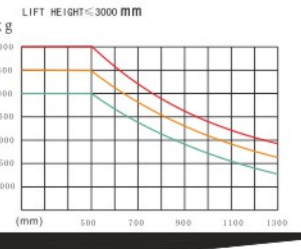
MAXIMAL FORKLIFT

All the data on the catalogue is just for your reference. Maximal reserve the right for update or amendment when necessary.



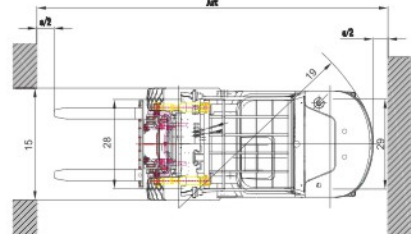
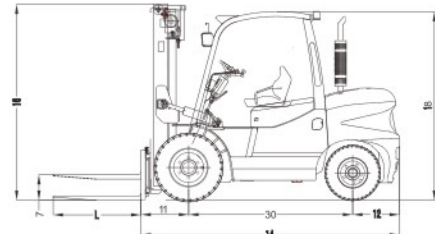
Authorized dealer stamp

Load Chart



A=200mmsafetyclearance

$$AST = a + (b) + (c) + \sqrt{b^2 + c^2/2}$$



M Series 4.0-mini5.0ton Diesel forklift

M Series 4.0-mini5.0ton LPG forklift



M Series Forklift Truck

M Series 4.0-mini5.0ton IC forklift

Maximal company introduction

Established in 2006, Sino-American Zhejiang Maximal Forklift Co., Ltd. is located in the Lushan Industry District. The facility is connected by #320 national highway, Hangqian highway, the Fuchun River and approximately 30 miles from Hangzhou Xiaoshan International airport.

Maximal company employs a total of 600 people, present production capacity is 30,000 forklifts per year. The factory complex covers an area of 130,000 sq meters/1,300,000 sq ft with a total investment of 420,000,000 RMB / 6,365,000 USD. Maximal specializes in Material handling equipment design & manufacture, has earned six state technical invention patents and over 60 design patents.

Maximal forklifts received local public recognition for their special appearance, high quality standards, safety and low cost of operation design. Maximal forklifts are exported to more than 100 countries worldwide and their 150 sale/service network has been established in the domestic market.

With our motto; Professional and precision creates excellence, Maximal has devoted their engineering talents creating a premium brand in China and throughout the world promoting and producing quality products and support services.

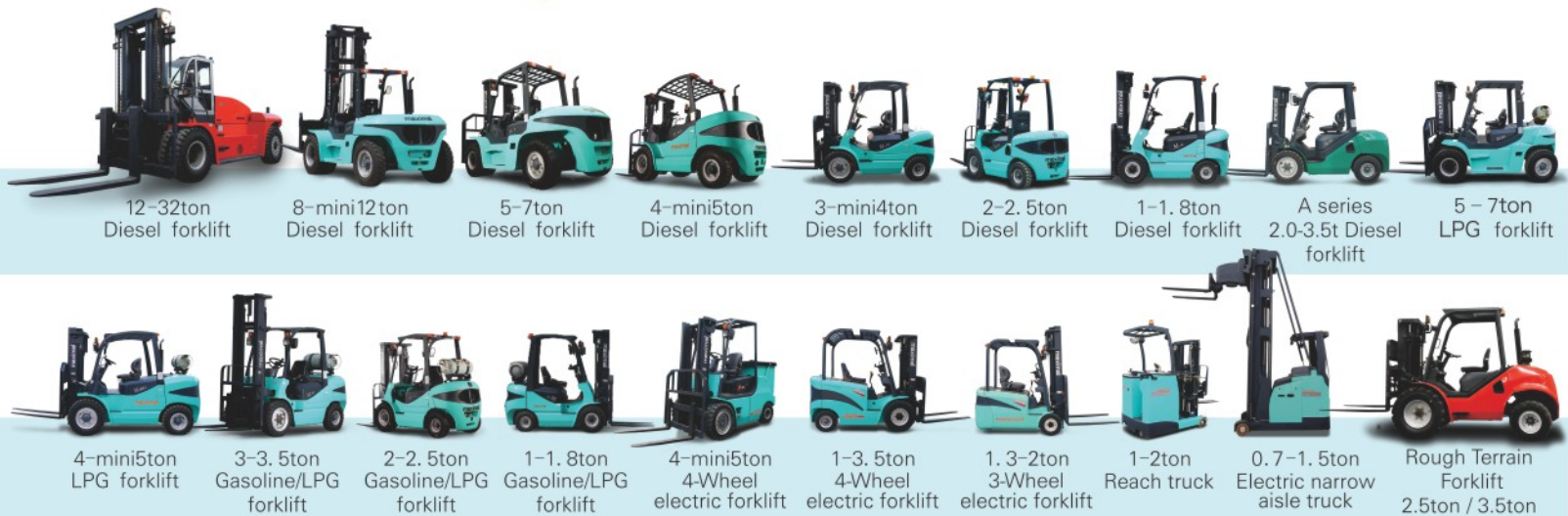
Maximal is constantly pursuing the development of quality products providing a performance driven price ratio for their marketing partners.

Current products consist of:

- M series 1-32T / 2000-64,000 LB capacity diesel and 1-5 T / 2000-10,000 LB capacity gasoline / LPG/CNG forklifts.
- M series 1-5T / 2000-10,000 LB capacity 4-wheel electric forklifts.
- M series 1.3-2T / 2600-4000 LB capacity 3-wheel electric forklifts.
- M series 1-2T / 2000-4000 LB capacity stand or sit drive electric reach forklifts.
- M series 0.7-1.5T / 1400-3000 LB capacity electric narrow aisle trucks.
- M series 2-3T / 4000-6000 LB capacity cushion tyre forklifts.
- M series 1.3-3T / 2600-6000 LB capacity Omni-Directional electric forklifts.
- M series 2.5T-3.5T / 5000-7000 LB capacity Rough Terrain forklifts.
- A series 2T-3.5T/4000-7000LB capacity diesel forklifts.



Maximal Family



M series 4.0-mini5.0t diesel forklift

General		FD40T-M1	FD45T-M1	MINI FD50T-M1			
1	Basic Model						
2	Type		W13 / WG3 / GG3				
3	Power type	Diesel	Diesel	Diesel			
4	Rated capacity	kg	4000	4500	5000		
5	Load centre	mm	500	500	500		
6	Lift height	mm	3000	3000	3000		
7	Free lift height	mm	150	150	150		
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	590	595		
12	Rear overhang	mm	540	585	625		
13	Min. ground clearance(Bottom of mast)	mm	175	175	175		
14	Overall dimensions	Length to face of fork (without fork)	mm	3215	3260	3310	
15		Overall width	mm	1490	1490	1490	
16		Mast lowered height	mm	2265	2265	2265	
17		Mast extended height (with backrest)	mm	4230	4230	4230	
18	Overhead guard height	mm	2265	2265	2265		
19	Turning radius(outside)	mm	2880	2920	2960		
20	Min. right angle aisle width(add load length and clearance)	mm	2570	2600	2630		
21	Speed	Travel(Unladen)	km/h	24(WG3/GG3) 25(W13)	24(WG3/GG3) 25(W13)	24(WG3/GG3) 25(W13)	
22		Lifting(Laden)	mm/s	495(GG3 / WG3) / 515(W13)	495(GG3 / WG3) / 515(W13)	495(GG3 / WG3) / 515(W13)	
23		Lowering(Laden)	mm/s	500	500	500	
24	Max. Drawbar pull(Laden/unladen)	KN	23	23	23		
25	Max. Gradeability(Laden)	%	20	20	18		
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	1190	1190	1190	
29		Rear	mm	1130	1130	1130	
30	Wheelbase	mm	2100	2100	2100		
31	Fuel tank capacity	L	120	120	120		
32	Self weight	kg	6220	6500	6720		
33	Weight Distribution	Laden	Front Axle	kg	9020	9650	10320
34			Rear Axle	kg	1200	1350	1400
35		Unladen	Front Axle	kg	2760	2840	2960
36			Rear Axle	kg	3460	3660	3760
37	Battery	Voltage/Capacity	V/Ah	2×12/60	2×12/60	2×12/60	
38	Transmission	Manufacture		China	China	China	
39		Type		Powershift	Powershift	Powershift	
40		Stage	F/R		2/1	2/1	
41	Operating pressure(For attachments)	MPa	19	19	19		

M series 4.0-mini5.0t LPG forklift

General		FL40T-M1	FL45T-M1	FL50T-M1			
1	Basic Model						
2	Type		WE3				
3	Power type	LPG	LPG	LPG			
4	Rated capacity	kg	4000	4500	5000		
5	Load centre	mm	500	500	500		
6	Lift height	mm	3000	3000	3000		
7	Free lift height	mm	150	150	150		
8	Fork size	L×W×T	mm	1070×150×50	1070×150×50	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	590	595		
12	Rear overhang	mm	550	570	614		
13	Min. ground clearance(Bottom of mast)	mm	175	175	175		
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	4220	4220	4220	
18	Overhead guard height	mm	2265	2265	2265		
19	Turning radius(outside)	mm	2740	2760	2810		
20	Min. right angle aisle width(add load length and clearance)	mm	2450	2500	2550		
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		
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	/	/	/		
32	Self weight	kg	6600	6800	7100		
33	Weight Distribution	Laden	Front Axle	kg	9010	9750	10500
34			Rear Axle	kg	1590	1550	1600
35		Unladen	Front Axle	kg	2750	2710	2680
36			Rear Axle	kg	3850	4090	4420
37	Battery	Voltage/Capacity	V/Ah	12/60	12/60	12/60	
38	Transmission	Manufacture		China	China	China	
39		Type		Powershift	Powershift	Powershift	
40		Stage	F/R		2/1	2/1	
41	Operating pressure(For attachments)	MPa	19	19	19		

MITSUBISHI
 Type:W13
 Model:S6S (EuIII)
 Rated output:52kw/2450rpm
 Rated torque:250N·m/1600rpm
 No. of cylinder:6
 Bore×Stroke:94×120mm
 Displacement:4.996L

PERKINS
 Type:WG3
 Model:1104D-44 (EuIII/EPAIII)
 Rated output:56kw/2200rpm
 Rated torque:260N·m/1650rpm
 No. of cylinder:4
 Bore×Stroke:105×127mm
 Displacement:4.44L

LUOTUO
 Type:GG3
 Model:LR4B3
 Rated output:57kw/2200rpm
 Rated torque:285N·m/1300-1500rpm
 No. of cylinder:4
 Bore×Stroke:108×125mm
 Displacement:4.578L

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