

**M Series
4.5-Compact
12ton
IC Forklift**



M Series Forklift Truck

leminaxem

MAXIMAL FAMILY

www.maxforklift.com



We work for maximal



Maximal Company Introduction



Established in Feb. 2006, Hyster-Yale Maximal Forklift (zhejiang) Co., Ltd, is located in Lushan Industry Area with convenient transportation. Maximal specializes in material handling equipment designing and manufacturing.

Maximal Company total floor area is 133,334 m², investment RMB420 million, factory designed production capacity is 30000 units per year.

Currently Maximal employs 500 staffs, with more than 230 professional and technical personnel, more than 70 Technical R&D personnel. Maximal gained 7 national invention patents, more than 70 utility model and appearance patents.

Maximal owns advanced parts processing center, robot welding equipments, parts automatic hoist conveyor lines, coating lines, assembly lines, forklifts performance test lines, parts test-bed and ERP information management system.

Maximal current product range covers 4 series, including 1.5-compact12T industrial forklift, 1.8-5.0T rough terrain forklift, 13.5-32.0T heavy duty forklift & Port machinery and warehouse equipment.

Maximal forklifts received strong public recognition for their modern and striking appearance, high production quality, safety standard and low cost of operation.

At present, Maximal products sales have covered all provinces in domestic market, exported to over 100 countries and areas. Maximal takes "technology innovation, promoting products structure, improving product quality and service" as the belief, takes internationalization, professionalization and green environmental protection as mission, to build Maximal into the most respectable forklift brand.

Current products consist of:

M series:

- 1.5-32T/3000-64,000LB capacity diesel forklifts.
- 1.5-7T/3000-14,000LB capacity gasoline/LPG forklifts.
- 4-5T/8000-10,000LB capacity 4-wheel electric forklifts.
- 1.6-2T/3200-4000LB capacity 3-wheel electric forklifts.
- 0.7-1.5T/1400-3000LB capacity VNA truck.
- 1.6T/3200LB capacity Rear drive 3-wheel electric forklifts.
- 2.5T/4000-5000LB capacity dual-drive 4-wheel electric forklifts.
- 2.5T/4000-5000LB capacity cushion tyre forklifts.
- 1.3-3T/2600-6000LB capacity Omni-Directional electric forklifts.

A series:

- 2.5-3.5T/4000-7000LB capacity diesel and gasoline/LPG forklifts.

- 1.5-3.5T/3000-7000LB capacity 4-wheel electric forklifts.

- 1.6-2.5T/3200-5000LB capacity electric reach truck.

Rough Terrain:

- 1.8-3.5T/3600-7000LB capacity compact 4WD rough terrain forklifts.

- 2.5-3.5T/5000-7000LB capacity 4WD rough terrain forklifts.

- 1.8-5.0T/3600-10,000LB capacity 2WD rough terrain forklifts.

Port Machinery:

- 9T/18,000LB capacity empty container handler.

- 45T/90,000LB capacity reach stacker.

Side Loader Forklift:

- 3.5T-4.5T/7000-9900LB capacity side loader forklifts.

M series introduction

The M series is the first generation forklifts, designed by the MAXIMAL engineering team. A world class design is featured as advanced technologies and superior componentry produced by competitive vendors over the world. The finished appearance with safety color design has attracted an audience in local and the world markets.

Classification of After-sales Service

Classification of After-sales Service classifies customer claims into 3 classes, Warranty 1(W1), Warranty 2(W2), Warranty 3(W3). Different claim class has different after-sales procedures which aims to increase service quality.



Classification of After-sales Service



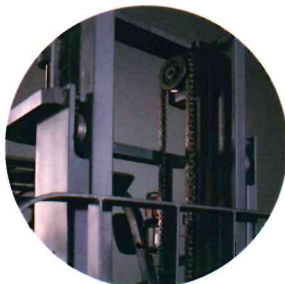
24-hour fast reply on trucks and parts claims



Ergonomic design



High quality components



Safety operation





maximal

M SERIES 4.5-compact 5.0t diesel forklift

		FD45T-M1 WI3		FD50T-M1 WI3		
General	1	Model				
	2	Type		Diesel		
	3	Optional type		W(1)3/G(10)3		
	4	Rated capacity	kg	4500	5000	
	5	Load centre	mm	500	500	
Characteristic&Dimension	6	Lift height	mm	3000	3000	
	7	Free lift height	mm	150	155	
	8	Fork size	L×W×T	1070×150×50	1070×150×55	
	9	Fork regulating range	Min./Max.	300/1380	300/1380	
	10	Mast tilt angle	F/R	6/12	6/12	
	11	Front overhang	mm	590	595	
	12	Rear overhang	mm	585	625	
	13	Min. ground clearance(Bottom of mast)	mm	175	175	
	14	Overall dimensions	Length to face of fork (without fork)	mm	3260	3310
	15		Overall width	mm	1490	1490
	16		Mast lowered height	mm	2265	2265
	17		Mast extended height(with backrest)	mm	4230	4230
	18	Overhead guard height	mm	2265	2265	
	19	Turning radius(outside)	mm	2920	2960	
	20	Min. right angle stacking aisle width (add load length and clearance)	mm	2600	2630	
Performance	21	Speed	Travel(Unladen)	km/h	25	
	22		Lifting(Laden)	mm/s	515	
	23		Lowering(Laden)	mm/s	400	
	24	Max. Drawbar pull(Laden)	KN	23	23	
	25	Max. Gradeability(Laden)	%	20	18	
Tyre	26	Tyre	Front	300-15-18PR		
	27		Rear	7.00-12-12PR		
	28	Tread	Front	mm	1190	
	29		Rear	mm	1130	
	30	Wheelbase	mm	2100		
Weight	31	Fuel tank capacity		L	120	
	32	Self weight		kg	6500	
	33	Weight Distribution	Laden	Front Axle	kg	9650
	34			Rear Axle	kg	1350
	35		Unladen	Front Axle	kg	2840
	36			Rear Axle	kg	3660
Power&Transmission	37	Battery	Voltage/Capacity		V/Ah	2×12/60
	38	Manufacture		China		
	39	Transmission	Type		Powershift	
	40	Stage	F/R		2/1	
	41	Operating pressure(For attachments)		MPa	19	

M SERIES

4.5-compact 5.0t LPG forklift

General		Model		FL45T-M1 WE3	FL50T-M1 WE3
2		Type		LPG	
3		Optional type		/	
4		Rated capacity		4500	5000
5		Load centre		kg	500
6		Lift height		mm	3000
7		Free lift height		150	
8		Fork size	L×W×T	mm	1070×150×50
9		Fork regulating range		Min./Max.	mm
10		Mast tilt angle		F/R	Deg
11		Front overhang		mm	590
12		Rear overhang		mm	585
13		Min. ground clearance(Bottom of mast)		mm	175
14		Length to face of fork (without fork)		mm	3260
15		Overall width		mm	1490
16		Overall dimensions		Mast lowered height	
17		Mast extended height(with backrest)		mm	2265
18		Overhead guard height		mm	4230
19		Turning radius(outside)		mm	2265
20		Min.right angle aisle width (add load length and clearance)		mm	2920
21		Speed		Travel(Unladen)	km/h
22		Lifting(Laden)		mm/s	22
23		Lowering(Laden)		mm/s	440
24		Max. Drawbar pull(Laden)		KN	400
25		Max. Gradeability(Laden)		%	23
26		Tyre		Front	
27		Rear		300-15-18PR	
28		Tread		Front	
29		Rear		7.00-12-12PR	
30		Wheelbase		mm	1190
31		Self weight		kg	1130
32		Laden		Front Axle	
33		Rear Axle		kg	2100
34		Unladen		Front Axle	
35		Rear Axle		kg	6720
36		Battery		Voltage/Capacity	
37		Transmission		Manufacture	
38		Stage		Type	
39		F/R		Powershift	
40		Operating pressure(For attachments)		MPa	1/1





MITSUBISHI

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



DEUTZ

Type: W (1) 3
 Model: TD2.9 L4 (Eu IV)
 Rated output: 55.4kw/2600rpm
 Rated torque: 260 N.m / 1800rpm
 No. of cylinder: 4
 Bore × Stroke: 92 × 101mm
 Displacement: 2.9L



QUANCHAI

Type: G(10)3
 Model: 4C5-82U32
 Rated output: 60kw/2200rpm
 Rated torque: 330 N.m / 1800rpm
 No. of cylinder: 4
 Bore × Stroke: 98 × 115mm
 Displacement: 3.12L



PSI

Type: WE3
 Model: PSI4.3L
 Rated output: 63kw/2000rpm
 Rated torque: 298 N.m / 1200rpm
 No. of cylinder: 6
 Bore × Stroke: 101.6 × 88.39mm
 Displacement: 4.3L

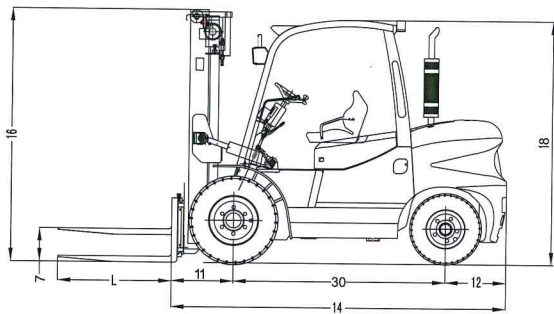
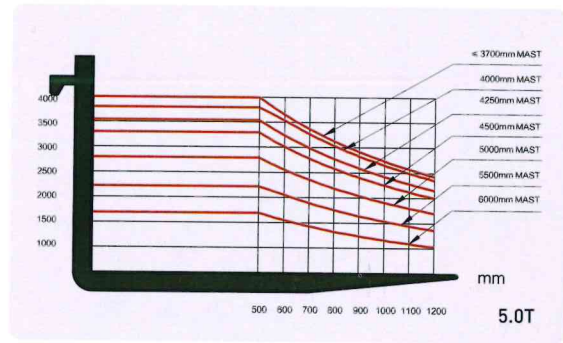
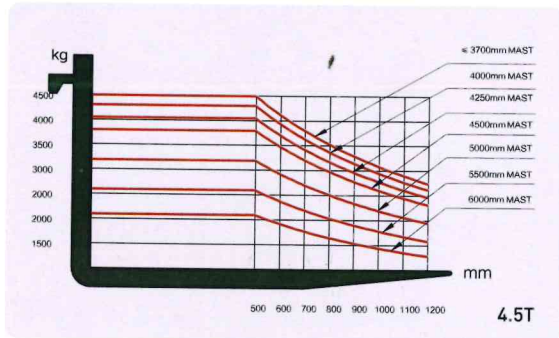
Diesel



LPG

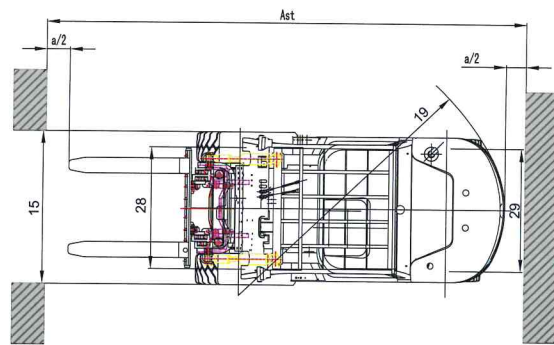
M SERIES 4.5-compact 5.0t mast

Type	Model	Max. fork height	Overall height						Free lift				Front Overhang		Tilt range		Capacity	
			Lowered		Extended				Without backrest		with backrest		4.5t	compact5t	FWD	BWD	load capacity at 500mm	
			4.5t	compact5t	Without backrest		With backrest		4.5t	5t	4.5t	5t					4.5t	compact5t
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg
2-stage mast	M330	3300	2415	2415	4130	4130	4520	4520	150	155	150	155	590	595	6	12	4500	5000
	M350	3500	2515	2515	4330	4330	4720	4720	150	155	150	155	590	595	6	12	4500	5000
	M370	3700	2615	2615	4530	4530	4920	4920	150	155	150	155	590	595	6	12	4500	5000
	M400	4000	2815	2815	4830	4830	5220	5220	150	155	150	155	590	595	6	6	4300	4800
	M450	4500	3065	3065	5330	5330	5720	5720	150	155	150	155	590	595	6	6	3800	4200
	M500	5000	3315	3315	5830	5830	6220	6220	150	155	150	155	590	595	6	6	3200	3600
	M550	5500	3615	3615	6330	6330	6720	6720	150	155	150	155	590	595	3	6	2600	2950
	M600	6000	3865	3865	6830	6830	7220	7220	150	155	150	155	590	595	3	6	2100	2400
Full free 2-stage mast	FM300	3000	2385	2385	3840	3840	4220	4220	1545		1165		600	605	6	12	4500	5000
	FM330	3300	2535	2535	4140	4140	4520	4520	1695		1315		600	605	6	12	4500	5000
	FM350	3500	2635	2635	4340	4340	4720	4720	1795		1415		600	605	6	12	4500	5000
	TFM392	3920	2240	2240	4760	4760	5140	5140	1400		1020		630	635	6	6	4000	4500
Full free 3-stage mast	TFM435	4350	2385	2385	5190	5190	5570	5570	1545		1165		630	635	6	6	3800	4200
	TFM450	4500	2436	2436	5340	5340	5720	5720	1595		1216		630	635	6	6	3700	4100
	TFM480	4800	2535	2535	5640	5640	6020	6020	1695		1315		630	635	6	6	3400	3800
	TFM500	5000	2635	2635	5840	5840	6220	6220	1795		1415		630	635	6	6	3100	3500
	TFM540	5400	2760	2760	6240	6240	6620	6620	1920		1540		630	635	3	6	2500	2850
	TFM600	6000	3000	3000	6840	6840	7220	7220	2160		1780		630	635	3	6	2000	2300
TFM650	6500	3215	3215	7340	7340	7720	7720	2375		1995		630	635	3	6	1500	1700	



A=200mmsafetyclearance

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



**4.5-compact
5.0t IC forklift**
M SERIES





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M SERIES 5.0-7.0t diesel forklift

1		Model		FD50T-M WJ3	FD70T-M WJ3		
General	2	Type		Diesel			
	3	Optional type		WL3/WY3/WF3/G(4)3			
	4	Rated capacity	kg	5000	7000		
Characteristic&Dimension	5	Load centre	mm	600	600		
	6	Lift height	mm	3000	3000		
	7	Free lift height	mm	195	205		
	8	Fork size	L×W×T	mm	1220×150×55	1220×150×65	
	9	Fork regulating range	Min./Max.	mm	300/1845	300/1845	
	10	Mast tilt angle	F/R	Deg	6°/12°	6°/12°	
	11	Front overhang		mm	580	590	
	12	Rear overhang		mm	600	740	
	13	Min. ground clearance(Bottom of mast)		mm	200	200	
	14	Overall dimensions	Length to face of fork (without fork)	mm	3440	3580	
	15		Overall width	mm	1995	1995	
	16		Mast lowered height	mm	2500	2625	
	17		Mast extended height(with backrest)	mm	4370	4370	
	18		Overhead guard height	mm	2435	2435	
19	Turning radius(outside)		mm	3250	3370		
Performance	20	Min. right angle stacking aisle width (add load length and clearance)	mm	2960	3040		
	21	Speed	Travel(Laden/Unladen)	km/h	24/26	24/26	
	22		Lifting(Laden/Unladen)	mm/s	400/420	380/400	
	23		Lowering(Laden)	mm/s	500	500	
24	Max. Drawbar pull(Laden)		KN	53	49		
25	Max. Gradeability(Laden)		%	15	17		
Tyre	26	Tyre	Front		8.25-15-14PR	8.25-15-14PR	
	27		Rear		8.25-15-14PR	8.25-15-14PR	
	28	Tread	Front	mm	1470	1470	
	29		Rear	mm	1700	1700	
Weight	30	Wheelbase	mm	2250	2250		
	31	Self weight	kg	8080	9450		
	32	Weight Distribution	Laden	Front Axle	kg	11250	14150
	33			Rear Axle	kg	1830	2300
	34		Unladen	Front Axle	kg	3640	4250
	35			Rear Axle	kg	4440	5200
Power&Transmission	36	Battery	Voltage/Capacity	V/Ah	2×12/80		
	37		Manufacture		China		
	38	Transmission	Type		Powershift		
	39		Stage	F/R		2/2	
40	Operating pressure(For attachments)		MPa		19.5		

M SERIES 5.0-7.0t LPG forklift

	1		Model	FL50T-M WE3	FL70T-M WE3			
	General	2		Type	LPG			
		3		Optional type	/			
Characteristic&Dimension	4 <td>Rated capacity</td> <td>5000</td> <td>7000</td>		Rated capacity	5000	7000			
	5 <td>Load centre</td> <td>kg</td> <td>600</td> <td>600</td>		Load centre	kg	600	600		
	6 <td>Lift height</td> <td>mm</td> <td>3000</td> <td>3000</td>		Lift height	mm	3000	3000		
	7 <td>Free lift height</td> <td></td> <td>195</td> <td>205</td>		Free lift height		195	205		
	8 <td>Fork size</td> <td>L×W×T</td> <td>mm</td> <td>1220×150×55</td> <td>1220×150×65</td>		Fork size	L×W×T	mm	1220×150×55	1220×150×65	
	9 <td>Fork regulating range</td> <td>Min./Max.</td> <td>mm</td> <td>300/1845</td> <td>300/1845</td>		Fork regulating range	Min./Max.	mm	300/1845	300/1845	
	10 <td>Mast tilt angle</td> <td>F/R</td> <td>Deg</td> <td>6°/12°</td> <td>6°/12°</td>		Mast tilt angle	F/R	Deg	6°/12°	6°/12°	
	11 <td colspan="2">Front overhang</td> <td>mm</td> <td>580</td> <td>590</td>		Front overhang		mm	580	590	
	12 <td colspan="2">Rear overhang</td> <td>mm</td> <td>600</td> <td>740</td>		Rear overhang		mm	600	740	
	13 <td colspan="2">Min. ground clearance(Bottom of mast)</td> <td>mm</td> <td>200</td> <td>200</td>		Min. ground clearance(Bottom of mast)		mm	200	200	
	14 <td colspan="2">Length to face of fork (without fork)</td> <td>mm</td> <td>3440</td> <td>3580</td>		Length to face of fork (without fork)		mm	3440	3580	
	15 <td colspan="2">Overall width</td> <td>mm</td> <td>1995</td> <td>1995</td>		Overall width		mm	1995	1995	
	16 <td>Overall dimensions</td> <td>Mast lowered height</td> <td>mm</td> <td>2500</td> <td>2625</td>		Overall dimensions	Mast lowered height	mm	2500	2625	
	17 <td colspan="2">Mast extended height(with backrest)</td> <td>mm</td> <td>4370</td> <td>4370</td>		Mast extended height(with backrest)		mm	4370	4370	
	18 <td colspan="2">Overhead guard height</td> <td>mm</td> <td>2435</td> <td>2435</td>		Overhead guard height		mm	2435	2435	
	19 <td colspan="2">Turning radius(outside)</td> <td>mm</td> <td>3250</td> <td>3370</td>		Turning radius(outside)		mm	3250	3370	
	Performance	20 <td>Min.right angle aisle width (add load length and clearance)</td> <td>mm</td> <td>2960</td> <td>3040</td>		Min.right angle aisle width (add load length and clearance)	mm	2960	3040	
		Speed	21 <td>Travel(Laden/Unladen)</td> <td>km/h</td> <td>19/20</td> <td>19/20</td>		Travel(Laden/Unladen)	km/h	19/20	19/20
			22 <td>Lifting(Laden/Unladen)</td> <td>mm/s</td> <td>400/420</td> <td>380/400</td>		Lifting(Laden/Unladen)	mm/s	400/420	380/400
23 <td>Lowering(Laden)</td> <td>mm/s</td> <td>500</td> <td>500</td>			Lowering(Laden)	mm/s	500	500		
24 <td colspan="2">Max. Drawbar pull(Laden)</td> <td>KN</td> <td>53</td> <td>52</td>		Max. Drawbar pull(Laden)		KN	53	52		
25 <td colspan="2">Max. Gradeability(Laden)</td> <td>%</td> <td>15</td> <td>15</td>		Max. Gradeability(Laden)		%	15	15		
Tyre	Tyre	26 <td>Front</td> <td>8.25-15-14PR</td> <td>8.25-15-14PR</td>		Front	8.25-15-14PR	8.25-15-14PR		
		27 <td>Rear</td> <td>8.25-15-14PR</td> <td>8.25-15-14PR</td>		Rear	8.25-15-14PR	8.25-15-14PR		
	Tread	28 <td>Front</td> <td>mm</td> <td>1470</td> <td>1470</td>		Front	mm	1470	1470	
		29 <td>Rear</td> <td>mm</td> <td>1700</td> <td>1700</td>		Rear	mm	1700	1700	
Weight	30 <td>Wheelbase</td> <td>mm</td> <td>2250</td> <td>2250</td>		Wheelbase	mm	2250	2250		
	31 <td>Self weight</td> <td>kg</td> <td>8080</td> <td>9450</td>		Self weight	kg	8080	9450		
	Weight Distribution	Laden	32 <td>Front</td> <td>kg</td> <td>11250</td> <td>14150</td>		Front	kg	11250	14150
			33 <td>Rear</td> <td>kg</td> <td>1830</td> <td>2300</td>		Rear	kg	1830	2300
		Unladen	34 <td>Front</td> <td>kg</td> <td>3640</td> <td>4250</td>		Front	kg	3640	4250
			35 <td>Rear</td> <td>kg</td> <td>4440</td> <td>5200</td>		Rear	kg	4440	5200
Power&Transmission	36 <td>Battery</td> <td>Voltage/Capacity</td> <td>V/Ah</td> <td>2×12/60</td>		Battery	Voltage/Capacity	V/Ah	2×12/60		
	Transmission	37 <td>Manufacture</td> <td></td> <td>China</td>		Manufacture		China		
		38 <td>Type</td> <td></td> <td>Hyd</td>		Type		Hyd		
	39 <td>Stage</td> <td>F/R</td> <td></td> <td>2/2</td>		Stage	F/R		2/2		
40 <td colspan="2">Operating pressure(For attachments)</td> <td>MPa</td> <td>19.5</td>		Operating pressure(For attachments)		MPa	19.5			





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MITSUBISHI



Type: WJ3
Model: S6S-T(EuIIIA)
Rated output: 63.9kw/
2300kw/rpm
Rated torque: 293N·m/1700rpm
No. of cylinder:6
Bore × Stroke:94 × 120mm
Displacement:4.996L

DEUTZ



Type: WY3
Model: TCD3.6L4 (Eu IV)
Rated output: 55.4kw/2300rpm
Rated torque: 390 N · m/
1300rpm
No. of cylinder: 4
Bore × Stroke: 98x120mm
Displacement: 6.494L

ISUZU



Type: WF3
Model: 6BG1QC
Rated output: 82kw/2000rpm
Rated torque: 416N.m/
1400-1600rpm
No. of cylinder: 6
Bore × Stroke: 105x125mm
Displacement: 6.494L

CHAOCHAI



Type: G(4)3
Model: CY6BG332
Rated output: 85kw/2200rpm
Rated torque: 450N.m/
1400-1800rpm
No. of cylinder: 6
Bore × Stroke: 102x118mm
Displacement: 5.785L

CUMMINS



Type: WL3
Model: QSB4.5(EuIIA)
Rated output: 80.9kw/2200rpm
Rated torque: 488 N.m /
1500rpm
No. of cylinder: 4
Bore × Stroke: 107 × 124mm
Displacement: 4.5L

PSI



Type: WE3
Model: PSI4.3L
Rated output: 63kw/2000rpm
Rated torque: 298 N.m /
1200rpm
No. of cylinder: 6
Bore × Stroke: 101.6 × 88.39mm
Displacement: 4.3L

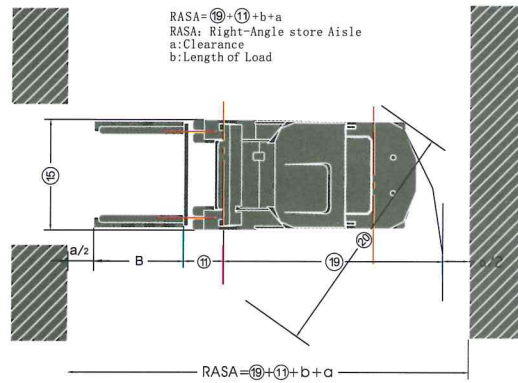
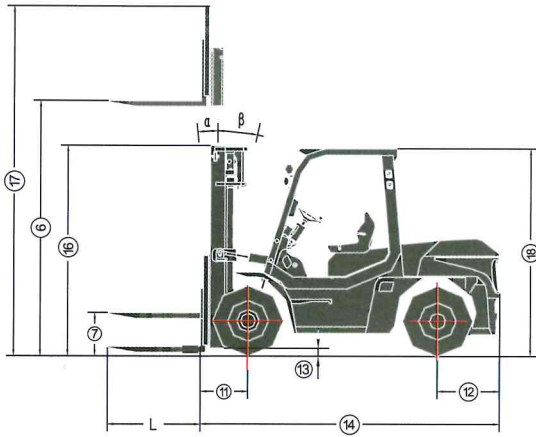
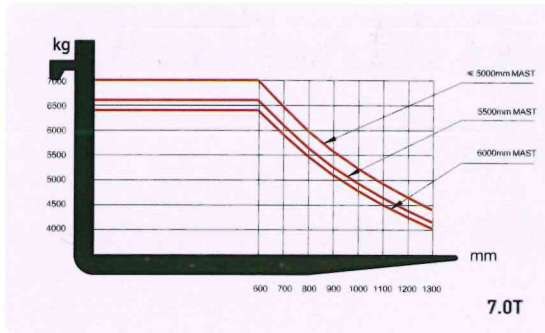
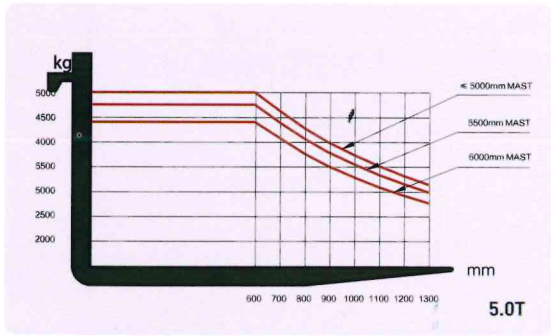
Diesel



LPG

M SERIES 5.0-7.0t mast

Type	Model	Max. fork height	Overall height						Free lift				Front Overhang		Tilt range			Capacity	
			Lowered		Extended				Without backrest		with backrest		5t	7t	5t	7t	5t-7t	load capacity at 600mm	
			5t	7t	5t	7t	5t	7t	5t	7t	5t	7t							
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg
2-stage mast	M350	3500	2750	2875	4400	4500	4870	4870	195	205	195	205	580	590	6	12	5000	7000	
	M400	4000	3050	3175	4900	5000	5370	5370	195	205	195	205	580	590	6	12	5000	7000	
	M450	4500	3300	3425	5400	5500	5870	5870	195	205	195	205	580	590	6	12	5000	7000	
	M500	5000	3550	3675	5900	6000	6370	6370	195	205	195	205	580	590	6	6	5000	7000	
	M550	5500	3850	3975	6400	6500	6870	6870	195	205	195	205	580	590	3	6	4750	6600	
Full free 2-stage mast	M600	6000	4100	4225	6900	7000	7370	7370	195	205	195	205	580	590	3	6	4400	6400	
	FM300	3000		2625		4050		4370		1575		1255	587	597	6	12	5000	7000	
	FM330	3300		2775		4350		4670		1725		1405	587	597	6	12	5000	7000	
	FM350	3500		2875		4550		4870		1825		1500	587	597	6	12	5000	7000	
Full free 3-stage mast	FM400	4000		3175		5050		5370		2125		1800	587	597	6	12	5000	7000	
	TFM435	4350		2630		5350		5720		1630		1260	625	635	6	6	4500	6200	
	TFM480	4800		2780		5800		6170		1780		1410	625	635	6	6	4500	6200	
	TFM500	5000		2880		6000		6370		1880		1510	625	635	3	6	4500	6200	
	TFM540	5400		3005		6400		6770		2005		1630	625	635	3	6	4400	6000	
	TFM600	6000		3305		7000		7370		2305		1930	625	635	3	6	4200	5500	
TFM650	6500		3530		7500		7870		2530		2155	625	635	6	3	6	3900	5100	



5.0-7.0ton
 IC forklift
M SERIES





maximal

M SERIES 8.0-compact 12t diesel forklift

General	1	Model		FD80T-M	FD100T-M	FD120T-MX		
	2	Type		Diesel				
	3	Optional type		WF3/WL3/G(4)3		WQ3		
	4	Rated capacity		8000	10000	12000		
Characteristic&Dimension	5	Load centre		kg	600	600		
	6	Lift height		mm	3000	3000		
	7	Free lift height			210	210		
	8	Fork size	L×W×T	mm	1220×175×80	1220×175×80	1220×175×83	
	9	Fork regulating range	Min./Max.	mm	340/1970	435/2100	435/2115	
	10	Mast tilt angle	F/R	Deg	6°/12°	6°/12°	6°/12°	
	11	Front overhang		mm	718	718	820	
	12	Rear overhang		mm	740	740	790	
	13	Min. ground clearance(Bottom of mast)		mm	250	250	275	
	14		Length to face of fork (without fork)	mm	4260	4260	4610	
	15	Overall width		mm	2248	2248	2250	
	16	Overall dimensions	Mast lowered height		mm	2850	2850	
	17		Mast extended height(with backrest)		mm	4230	4230	4470
	18	Overhead guard height		mm	2563	2563	2630	
19	Turning radius(outside)		mm	3700	3900	4200		
Performance	20	Min.right angle aisle width (add load length and clearance)		mm	3540	3540	3850	
	21	Speed	Travel(Unladen)		km/h	26/28	26/28	23/26
	22		Lifting(Laden)		mm/s	310	310	340
	23		Lowering(Laden)		mm/s	400	400	360
24	Max. Drawbar pull(Laden/unladen)		KN	58	58	58		
Tyre	25	Max. Gradeability(Laden)		%	20	20	23	
	26	Tyre	Front		9.00-20-14PR	9.00-20-14PR	10.00-20-18PR	
	27		Rear		9.00-20-14PR	9.00-20-14PR	10.00-20-18PR	
	28	Tread	Front	mm	1600	1600	1640	
29	Rear		mm	1700	1700	1880		
Weight	30	Wheelbase		mm	2800	2800	3000	
	31	Self weight		kg	11520	12830	15750	
	32	Weight Distribution	Laden	Front Axle	kg	17200	20380	25080
	33			Rear Axle	kg	2320	2220	2670
	34		Unladen	Front Axle	kg	5100	5700	7400
35	Rear Axle			kg	6420	6900	8350	
Power&Transmission	36	Battery	Voltage/Capacity		V/Ah	2×12/80	2×12/80	2×12/80
	37	Transmission	Manufacture			China	China	China
	38		Type			Powershift	Powershift	Powershift
	39		Stage	F/R		2/2	2/2	2/2
	40	Operating pressure(For attachments)		MPa	19.5	19.5	21	

M SERIES 8.0-10.0t mast

Type	Model	Max. fork height	Overall height				Free lift				Front Overhang		Tilt range		Capacity	
			Lowered		Extended		Without backrest		with backrest		8t	10t	FWD	BWD	load capacity at 600mm	
			8t	10t	Without backrest	With backrest	8t	10t	8t	10t					8t	10t
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg
2-stage mast	M350	3500	3100	3100	4730	—	210	210	—	—	718	718	6	12	8000	10000
	M400	4000	3400	3400	5230	—	210	210	—	—	718	718	6	12	8000	10000
	M500	5000	3900	3900	6230	—	210	210	—	—	718	718	6	6	7750	10000
	M550	5500	4200	4200	6730	—	210	210	—	—	718	718	3	6	7400	9000
	M600	6000	4450	4450	7230	—	210	210	—	—	718	718	3	6	7000	8000
Full free 3-stage mast	TFM450	4500	2900	2900	5780	—	1540	1540	—	—	783	783	6	12	7400	9300
	TFM480	4800	3000	3000	6080	—	1640	1640	—	—	783	783	6	6	6900	8700
	TFM500	5000	3100	3100	6280	—	1740	1740	—	—	783	783	6	6	6750	8700
	TFM540	5400	3225	3225	6680	—	1865	1865	—	—	783	783	3	6	6400	8000
	TFM600	6000	3525	3525	7280	—	2165	2165	—	—	783	783	3	6	6000	7000

M SERIES compact 12t 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 600mm		
				X12t	Without backrest				With backrest		X12t	X12t	X12t
			mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	
2-stage mast	M350	3500	3265	4970	—	213	—	820	6	12	12000		
	M400	4000	3565	5470	—	213	—	820	6	12	12000		
	M450	4500	3815	5970	—	213	—	820	6	12	12000		
	M500	5000	4065	6470	—	213	—	820	6	6	11500		
	M550	5500	4365	6970	—	213	—	820	3	6	10500		
	M600	6000	4615	7470	—	213	—	820	3	6	9500		
Full free 2-stage mast	TFM450	4500	3065	6010	—	1540	—	873	6	12	11500		
	TFM480	4800	3165	6310	—	1640	—	873	6	6	10500		
	TFM500	5000	3265	6510	—	1740	—	873	6	6	10500		
	TFM540	5400	3405	6910	—	1865	—	873	3	6	10000		
TFM600	6000	3675	7510	—	2165	—	873	3	6	9000			





ISUZU

Type: WF3
 Model: 6BG1QC
 Rated output: 82kw/2000rpm
 Rated torque: 416N.m/
 1400-1600rpm
 No. of cylinder: 6
 Bore x Stroke: 105x125mm
 Displacement: 6.494L



CUMMINS

Type: WL3
 Model: QSB4.5-C110(EuIIIA)
 Rated output: 80.9kw/2200rpm
 Rated torque: 488 N.m /
 1500rpm
 No. of cylinder: 4
 Bore x Stroke: 107 x 124mm
 Displacement: 4.5L



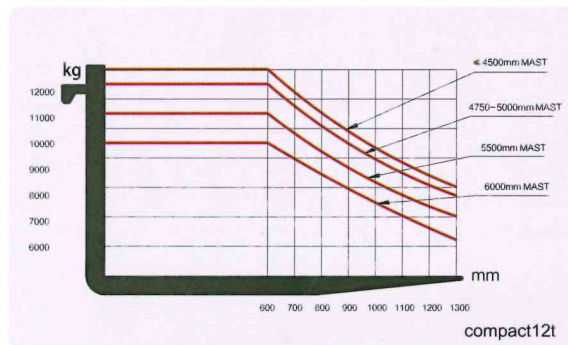
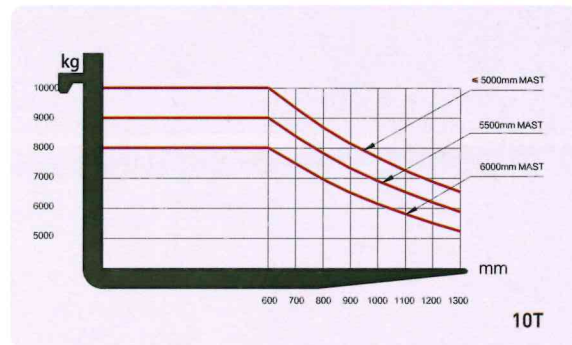
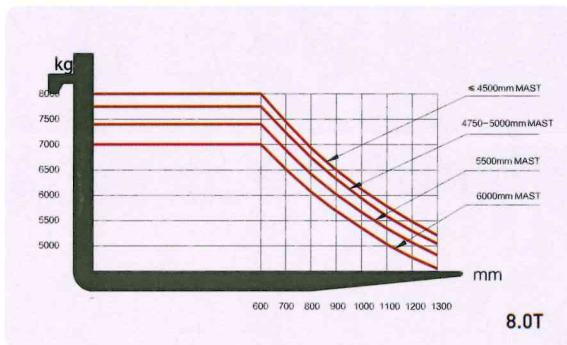
CHAOCHAI

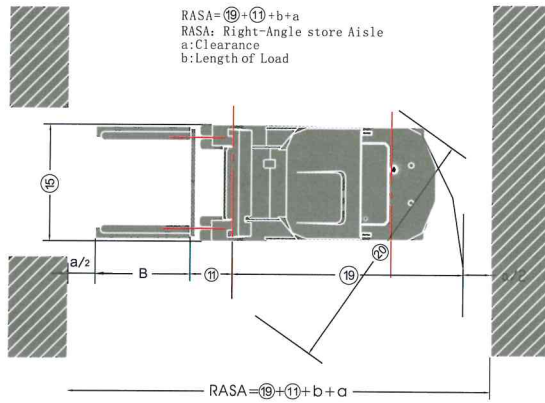
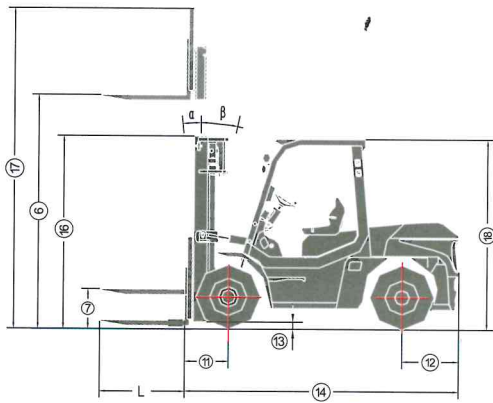
Type: G(4)3
 Model: CY6BG332-38
 Rated output: 85kw/2200rpm
 Rated torque: 450N.m/
 1400-1800rpm
 No. of cylinder: 6
 Bore x Stroke: 102x118mm
 Displacement: 5.785L



CUMMINS

Type: WQ3
 Model: QSB4.5-C130(EuIIIA)
 Rated output: 97kw/2200rpm
 Rated torque: 622 N.m/
 1500rpm
 No. of cylinder: 4
 Bore x Stroke: 107 x 124mm
 Displacement: 4.5L





8.0-compact
12.0ton
Diesel forklift

M SERIES





maximal

COMPANY MEMORABILIA

2005

Dec

Zhejiang Maximal Forklift Co., Ltd was officially established.

2006

Oct

M series forklifts displayed at the 100th Canton fair.

2007

Nov

Maximal phase I project of the new factory finished.

2008

Jan

Structure of electric forklift was further optimized.

Nov

Maximal was appointed by the General Logistics Department of the People's Liberation Army(PLA) to be supplier for Military Equipment.

2009

Mar

4.0T&5.0T and 8.0-10.0T diesel forklift were launched to enrich M Series.

May

Maximal started to prepare the R&D of 16.0-18.0T diesel forklift.

2010

Nov

The first 4.5T electric forklift and 25.0T heavy duty forklift were displayed on Shanghai CeMAT.

Dec

Maximal and Military Transportation University reached

2012

Maximal was honored as "state-level high-tech enterprise".

2013

May

Maximal 2WD 2.5/3.5T Rough Terrain forklift was launched to the market.

July

Maximal Empty Container Handler was officially developed.

2014

Jun

Maximal electric stackers & pallet trucks were put into market.

Aug

Maximal 2WD Rough Terrain forklift were extended to 4.0/5.0T.

Dec

Maximal phase II project was finished.

2015

May

Maximal 3.5T 4WD Rough Terrain forklift was successfully developed.
First Reach Stacker successfully was sold in domestic market.

2016

July

Maximal won the Chinese well-known trademark.

Oct

1.8-3.5T C. 4WD Hydraulic rough terrain forklift was successfully launched.

2018

July

3.5-4.5T Sider-loader forklift was lanuched; Electric forklift with lithium battery started to be developed; 1.6-2.5T A series Reach truck was lanuched.

June

Hyster-Yale and Maximal officially completed its acquisition, Zhejiang Maximal Forklift Co., Ltd. renamed to Hyster-Yale Maximal Forklift (Zhejiang) Co., Ltd, began a new start.



Hyster-Yale Maximal Forklift (Zhejiang) Co., Ltd

Address No.1, jinxin Road, Lushan Industrial area, Fuyang, Zhejiang China

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0086-571-28935028

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CE CERTIFICATE



ISO 14001:2004



ISO 9001:2000