M Series
4.5-Compact
12ton
IC Forklift

M Series Forklift Truck

maximal

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Maximal Forklift (Zhejiang) Co., Ltd

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CE CERTIFICATE ISO 14001:2004 ISO 9001:2000

MAXIMAL FAMILY

- M Series 1.5-32T diesel forklift
- A series 2.5-3.5T diesel forklift
- M series 1.5-7T gasoline /LPG forklift
- A series 2.5-3.5Tgasoline /LPG forklift
- M series 4-5T 4-wheel electric forklift
- A series 1.5-3.5T 4-wheel electric forklift
- M series 1.6-2T 3-wheel electric forklift
- A series 1.6-2.5T electric reach truck
- M series 1.6T Rear drive 3-wheel electric forklift
- M series 2.5T Dual drive 4-wheel electric forklift
- M series 0.7-1.5T VNA truck
- M series 2.5T cushion tyre forklift
- M series 1.8-3.5T compact 4WD rough terrain forklift
- M series 1.3-3T Omni-Directional electric forklift
- M series 2.5-3.5T 4WD rough terrain forklift
- 9T empty container handler
- M series 1.8-5.0T 2WD rough terrain forklift
- 45T reach stacker
- 3.5-4.5T side loader forklift

We work for maximal

Maximal Company Introduction

Established in Feb. 2006, 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㎡, 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-drvie 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

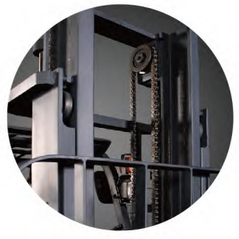
Classification of After-sales Service classifies customer claims into 3 classes, Warranty 1(W1), Warranty 2(W2), Warranty 3(W3). Different claim class has different after-sales procedures which aims to increase service quality.

Classification of After-sales Service

24-hour fast reply on trucks and parts claims

Ergonomic design

High quality components



Safety operation

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M SERIES 4.5-compact 5.0t diesel forklift

General	1	Model				FD45T-M1 WI3	FD50T-M1 WI3
	2	Type				Diesel	
	3	Optional type				W(1)3/G(21)3/ W(13)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	mm	1070×150×50	1070×150×55
	9	Fork regulating range		Min./Max.	mm	300/1380	300/1380
	10	Mast tilt angle		F/R	Deg	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	25
	22			Lifting(Laden)	mm/s	515	515
	23			Lowering(Laden)	mm/s	400	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	6720
	33	Weight Distribution	Laden	Front Axle	kg	9650	10320
	34			Rear Axle	kg	1350	1400
	35		Unladen	Front Axle	kg	2840	2960
	36			Rear Axle	kg	3660	3760
Power&Transmission	37	Battery		Voltage/Capacity	V/Ah	2×12/60	
	38	Transmission		Manufacture		China	
	39			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	1	Model				FL45T-M1 WE3	FL50T-M1 WE3
	2	Type				LPG	
	3	Optional type				W(J1)3	
	4	Rated capacity				4500	5000
Characteristic&Dimension	5	Load centre			kg	500	
	6	Lift height			mm	3000	
	7	Free lift height			mm	150	
	8	Fork size		L×W×T	mm	1070×150×50	1070×150×55
	9	Fork regulating range		Min./Max.	mm	300/1380	
	10	Mast tilt angle		F/R	Deg	6/12	
	11	Front overhang			mm	590	595
	12	Rear overhang			mm	585	625
	13	Min. ground clearance(Bottom of mast)			mm	175	
	14	Overall dimensions		Length to face of fork (without fork)	mm	3260	3310
	15			Overall width	mm	1490	
	16			Mast lowered height	mm	2265	
	17			Mast extended height(with backrest)	mm	4230	
	18			Overhead guard height	mm	2265	
	19	Turning radius(outside)			mm	2920	2960
Performance	20	Min.right angle aisle width （add load length and clearance）			mm	2600	2630
	21	Speed		Travel(Unladen)	km/h	22	
	22			Lifting(Laden)	mm/s	440	
	23			Lowering(Laden)	mm/s	400	
	24	Max. Drawbar pull(Laden)			KN	23	
Tyre	25	Max. Gradeability(Laden)			%	18	15
	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	Self weight			kg	6500	6720
	32	Weight Distribution	Laden	Front Axle	kg	9650	10320
	33			Rear Axle	kg	1350	1400
	34		Unladen	Front Axle	kg	2840	2960
	35			Rear Axle	kg	3660	3760
Power&Transmission	36	Battery		Voltage/Capacity	V/Ah	12/60	
	37	Transmission		Manufacture		China	
	38			Type		Powershift	
	39		Stage	F/R		1/1	
	40	Operating pressure(For attachments)			MPa	19	

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MITSUBISHI

Type：WI3
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

KUBOTA

Type：W(13）3
Model：V3800(Eu V+Tier4)
Rated output: 54.6kw/2200rpm
Rated torque: 305.4 N.m / 1500rpm
No. of cylinder: 4
Bore × Stroke: 100×120 mm
Displacement: 3.769L

QUANCHAI

Type: G(21)3
Model: 4C6-85U32
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

KUBOTA

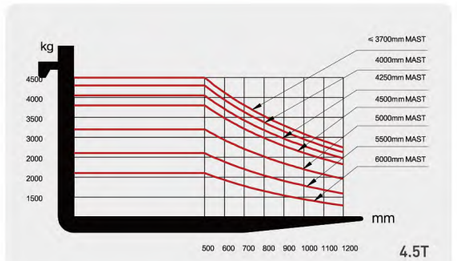
Type：W(J3）3
Model:WG3800(Eu V)
Rated output: 54.6kw/2400rpm
Rated torque: GAS 246.8N.m / 1500rpm
LPG 271.4 N.m / 1200rpm
No. of cylinder: 4
Bore × Stroke: 100×120 mm
Displacement: 3.769L

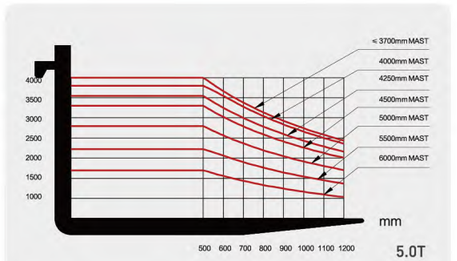
Diesel

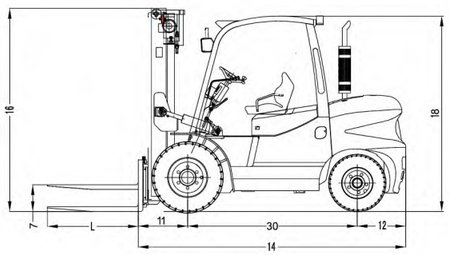
LPG

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				FWD	BWD	load capacity at 500mm	
					Without backrest		With backrest										Single tyre	
			4.5t	compact5t	4.5t	compact5t	4.5t	compact5t	4.5t	5t	4.5t	5t	4.5t	compact5t			4.5t	compact5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	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
Full free 3-stage mast	TFM392	3920	2240	2240	4760	4760	5140	5140	1400		1020		630	635	6	6	4000	4500
	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

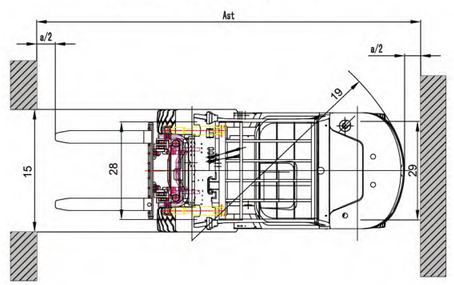






A=200mmsafetyclearance

$$AST=a+⑪+⑲+\sqrt{W^2+(B/2)^2}$$



M SERIES 5.0-7.0t diesel forklift

General	1	Model			FD50T-M WJ3	FD70T-M WJ3
	2	Type			Diesel	
	3	Optional type			WL3/WY3/WF3/G(4)3/ W(13)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
Tyre	25	Max. Gradeability(Laden)		%	15	17
	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		Laden Rear Axle	kg	1830	2300
	34		Unladen Front Axle	kg	3640	4250
	35		Unladen Rear Axle	kg	4440	5200
Power&Transmission	36	Battery	Voltage/Capacity	V/Ah	2×12/80	
	37	Transmission	Manufacture		China	
	38		Type		Powershift	
	39		Stage F/R		2/2	
	40	Operating pressure(For attachments)		MPa	19.5	

M SERIES 5.0-7.0t LPG forklift

General	1	Model			FL50T-M WE3	FL70T-M WE3
	2	Type			LPG	
	3	Optional type			/	
	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 aisle width （add load length and clearance）		mm	2960	3040
	21	Speed	Travel(Laden/Unladen)	km/h	19/20	19/20
	22		Lifting(Laden/Unladen)	mm/s	400/420	380/400
	23		Lowering(Laden)	mm/s	500	500
	24	Max. Drawbar pull(Laden)		KN	53	52
Tyre	25	Max. Gradeability(Laden)		%	15	15
	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	kg	11250	14150
	33		Laden Rear	kg	1830	2300
	34		Unladen Front	kg	3640	4250
	35		Unladen Rear	kg	4440	5200
Power&Transmission	36	Battery	Voltage/Capacity	V/Ah	2×12/60	
	37	Transmission	Manufacture		China	
	38		Type		Hyd	
	39		Stage F/R		2/2	
	40	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(EuIIIA)
Rated output: 80.9kw/2200rpm
Rated torque: 488 N.m / 1500rpm
No. of cylinder: 4
Bore × Stroke: 107 × 124mm
Displacement: 4.5L

PSI

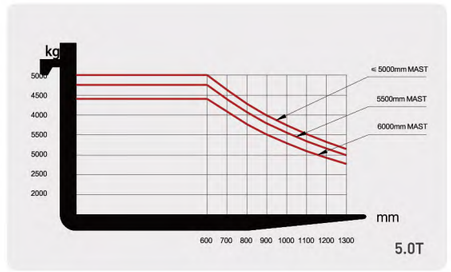
Type：WE3
Model：PSI4.3L
Rated output: 63kw/2000rpm
Rated torque: 298 N.m / 1200rpm
No. of cylinder: 6
Bore × Stroke: 101.6 × 88.39mm
Displacement: 4.3L

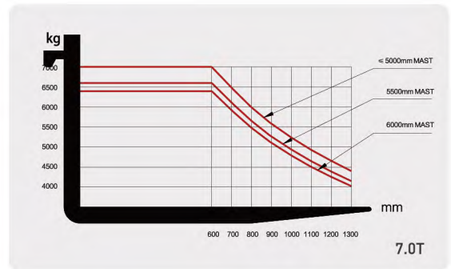
KUBOTA

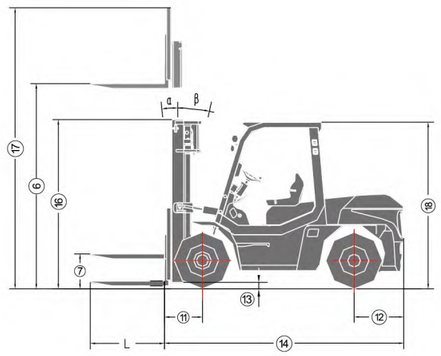
Type：W(13)3
Model：V3800(Eu V+Tier4)
Rated output: 54.6kw/2200rpm
Rated torque: 305.4 N.m / 1500rpm
No. of cylinder: 4
Bore × Stroke: 100 × 120 mm
Displacement: 3.769L
COMING SOON!

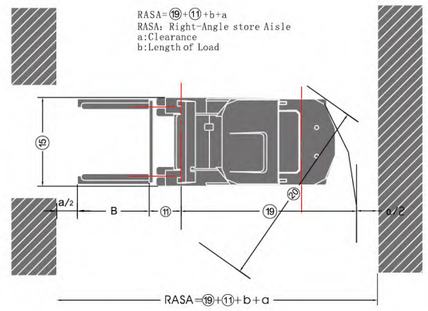
Diesel

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				FWD		BWD	load capacity at 600mm	
					Without backrest		With backrest											Double tyre	
			5t	7t	5t	7t	5t	7t	5t	7t	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		6	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
	M600	6000	4100	4225	6900	7000	7370	7370	195	205	195	205	580	590	3		6	4400	6400
Full free 2-stage mast	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

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	600
	6	Lift height		mm	3000	3000	3000
	7	Free lift height			210	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	3015
	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	13560	15750
	32	Weight Distribution	Laden / Front Axle	kg	17200	21989	25080
	33		Laden / Rear Axle	kg	2320	1571	2670
	34		Unladen / Front Axle	kg	5100	6870	7400
	35		Unladen / Rear Axle	kg	6420	6690	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				FWD	BWD	load capacity at 600mm	
					Without backrest	With backrest									Double tire	
			8t	10t			8t	10t	8t	10t	8t	10t			8t	10t
		mm	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
				Without backrest	With backrest						Double tire
			X12t			X12t	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 × Stroke: 105x125mm
Displacement: 6.494L

CUMMINS

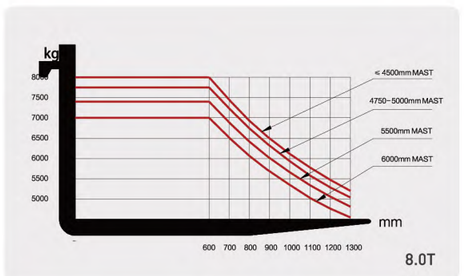
Type：WL3
Model：QSB4.5-C110(EuIIIA)
Rated output: 80.9kw/2200rpm
Rated torque: 488 N.m /
1500rpm
No. of cylinder: 4
Bore × Stroke: 107 × 124mm
Displacement: 4.5L

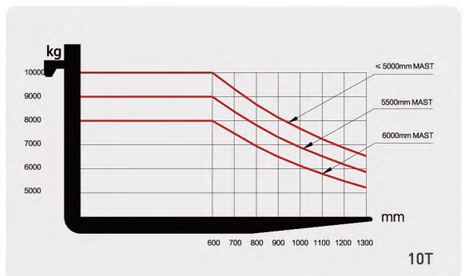
CHAOCHAI

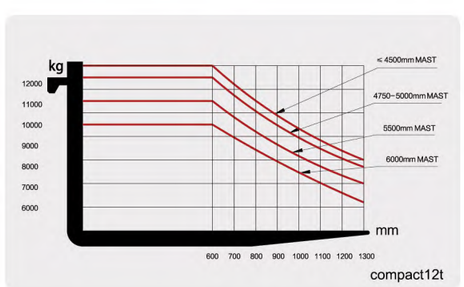
Type: G(4)3
Model: CY6BG332-38
Rated output: 85kw/2200rpm
Rated torque: 450N.m/
1400-1800rpm
No. of cylinder: 6
Bore × Stroke: 102x118mm
Displacement: 5.785L

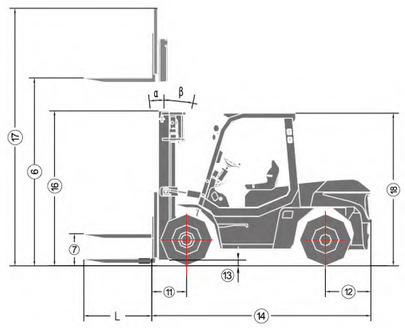
CUMMINS

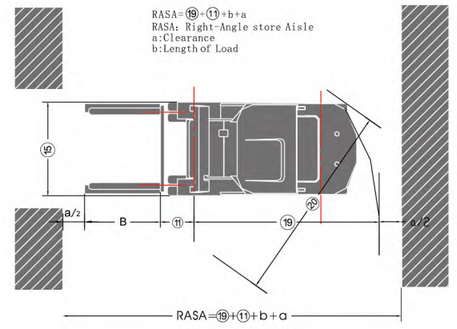
Type: WQ3
Model: QSB4.5-C130(EuIIIA)
Rated output: 97kw/2200rpm
Rated torque: 622 N⊠m/
1500rpm
No. of cylinder: 4
Bore × Stroke: 107 × 124mm
Displacement: 4.5L











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 offcially completed its acquisition, Maximal began a new start.**