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MAXIMAL FORKLIFT

maximal

M SERIES

5.0 / 6.0 / 7.0t
Diesel Forklift

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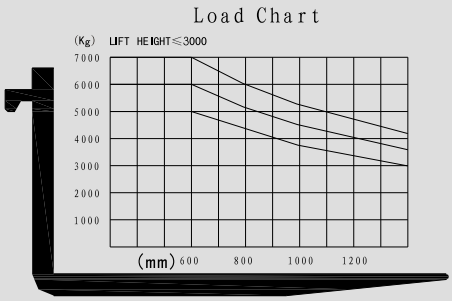


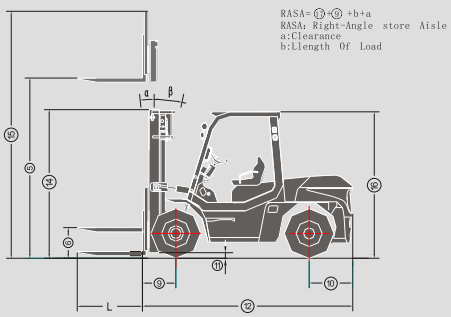
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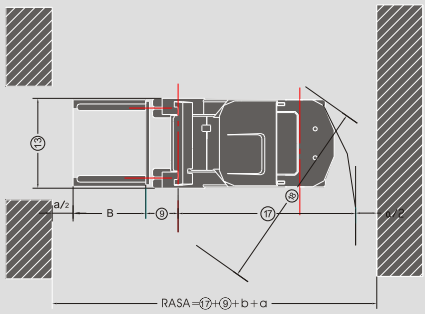
MAXIMAL FORKLIFT SPECIFICATION

M series 5.0-7.0t diesel forklift specification

General	1	Model			FD50T-MWF2	FD60T-MWF2	FD70T-MWF2	FD50T-MGH2	FD60T-MGH2	FD70T-MGH2
	2	Power Type			Diesel					
	3	Rated Capacity		kg	5000	6000	7000	5000	6000	7000
	4	Load Centre		mm	600					
Characteristic&Dimension	5	Lift height		mm	3000					
	6	Free Lift Height		mm	195	200	205	195	200	205
	7	Fork size	L×W×T	mm	1220×150×55	1220×150×60	1220×150×65	1220×150×55	1220×150×60	1220×150×65
	8	Mast tilt angle	F/R	Deg	6°/12°					
	9	Fork overhang (Wheel center to fork face)		mm	590					
	10	Rear Overhang		mm	600	675	740	600	675	740
	11	Ground clearance（Bottom of mast）		mm	200					
	12	Overall demensions	Length to face of fork (Without fork)	mm	3440	3515	3580	3440	3515	3580
	13		Overall width	mm	1995					
	14		Mast lowered height	mm	2500	2500	2625	2500	2500	2625
	15		Mast extended height (With backrest)	mm	4420					
	16		Overhead guard height	mm	2450					
	17	Turning radius (outside)		mm	3250	3300	3370	3250	3300	3370
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	2960	3000	3040	2960	3000	3040
Performance	19	Speed	Travel (NO load)	km/h	30	30	30	28	28	28
	20		Lifting (Full load)	mm/s	500	500	460	500	500	460
	21		Lowering (Full load)	mm/s	500					
	22	Max.Drawbar pull (Full load)		kn	54	54	53	53	53	52
	23	Max.Gradeability (Full load)		%	35	32	30	20	20	20
	24	Self weight		kg	7980	8640	9350	7980	8640	9350
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	24 / 80					
	26	Engine	Model		A-6BG1QC			6102BG6		
	27		Manufacture		ISUZU			CHAOCHAI		
	28		Rated output/r.p.m.	kw	82/2000			80.9/2500		
	29		Rated torque/r.p.m.	N·m	416/1400－1600			353/1650		
	30		No.of cylinder		6			6		
	31		Fuel tank capacity	L	140			140		
	32	Transmission	Type		Powershift					
	33		Stage FWD/RVS		2/2					
	34	Operating pressure (For attachments)		Mpa	17					







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MAXIMAL FORKLIFT

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M SERIES

1.0 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5t
Diesel Forklift (Chinese Engine)

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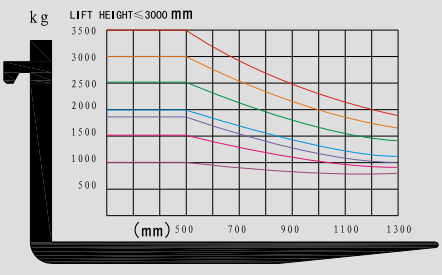
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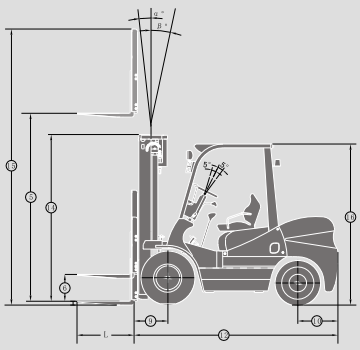
MAXIMAL FORKLIFT SPECIFICATION

M series 1.0-3.5t diesel forklift specification

General	1	Model			FD10T-MGI3	FD15T-MGI3	FD18T-MGI3	FD20T-MGA3	FD25T-MGA3	FD30T-MGA3	FD30T-MGE3	FD35T-MGE3
	2	Power Type			Diesel							
	3	Rated Capacity		kg	1000	1500	1800	2000	2500	3000	3000	3500
	4	Load Centre		mm	500							
Characteristic&Dimension	5	Lift height		mm	3000							
	6	Free Lift Height		mm	120					145	145	150
	7	Fork size	L×W×T	mm	920×100×35	920×100×35	920×100×38	1070×122×40	1070×122×40	1070×125×45	1070×125×45	1070×125×50
	8	Mast tilt angle	F/R	Deg	6°/12°							
	9	Fork overhang (Wheel center to fork face)		mm	420			460	460	475	475	475
	10	Rear Overhang		mm	420	460	495	440	505	525	525	550
	11	Ground clearance (Bottom of mast)		mm	110			140	140	145	145	145
	12	Overall demensions	Length to face of fork (Without fork)	mm	2250	2280	2310	2500	2565	2700	2700	2725
	13		Overall width	mm	1080			1150	1150	1225	1225	1225
	14		Mast lowered height	mm	1995			2045	2045	2090	2090	2160
	15		Mast extended height (With backrest)	mm	3960			4000	4000	4140	4140	4180
	16		Overhead guard height	mm	2060			2070	2070	2090	2090	2090
	17	Turning radius (outside)		mm	1995	2040	2075	2180	2250	2430	2430	2450
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	1800	1825	1857	1940	2010	2140	2140	2160
Performance	19	Speed	Travel (NO load)	km/h	14.5			19				
	20		Lifting (Full load)	mm/s	560			540	540	430	430	400
	21		Lowering (Full load)	mm/s	450							
	22	Max.Drawbar pull (Full load)		kn	17(14.5)			17(14.5)	17(14.5)	16(15.7)	24(19.5)	24(19.5)
	23	Max.Gradeability (Full load)		%	20			20	20	20	20	18
	24	Self weight		kg	2340	2590	2800	3450	3620	4310	4310	4750
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	12/90			12/100				
	26	Engine	Model		NB485BPG			490BPG (STANDARD/EUIII)			498BPG	
	27		Manufacture		XINCHAI			XINCHAI			XINCHAI	
	28		Rated output/r.p.m.	kw	30/2600			37/2650			45/2550	
	29		Rated torque/r.p.m.	N•m	131/1800			148/1800-1900			195/1600-1800	
	30		No.of cylinder		4							
	31		Fuel tank capacity	L	50			60	60	70	70	70
	32	Transmission	Type		Powershift							
	33		FWD/RVS		1/1							
	34	Operating pressure (For attachments)		Mpa	14.5			17.5				

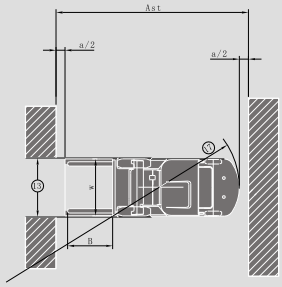
Load Chart





a=200 mm safety clearance

$AST = a + ⑨ + ⑰\sqrt{W^2 + (B/2)^2}$



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MAXIMAL FORKLIFT

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M SERIES

1.0 / 1.5 / 1.8t
Diesel Forklift

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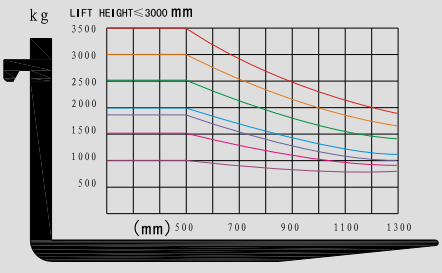
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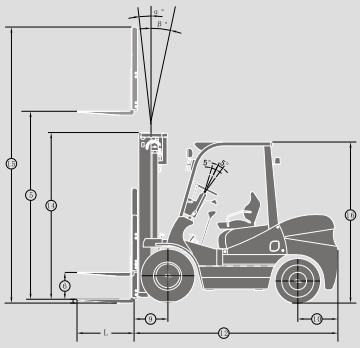
MAXIMAL FORKLIFT SPECIFICATION

M series 1.0-1.8t diesel forklift specification

General	1	Model			FD10T-MWA3	FD15T-MWA3	FD18T-MWA3	FD10T-MWC3	FD15T-MWC3	FD18T-MWC3
	2	Power Type			Diesel					
	3	Rated Capacity		kg	1000	1500	1800	1000	1500	1800
	4	Load Centre		mm	500					
Characteristic&Dimension	5	Lift height		mm	3000					
	6	Free Lift Height		mm	120					
	7	Fork size	L×W×T	mm	920×100×35	920×100×35	920×100×38	920×100×35	920×100×35	920×100×38
	8	Mast tilt angle	F/R	Deg	6°/12°					
	9	Fork overhang (Wheel center to fork face)		mm	420					
	10	Rear Overhang		mm	420	460	495	420	460	495
	11	Ground clearance (Bottom of mast)		mm	110					
	12	Overall Demensions	Length to face of fork (Without fork)	mm	2250	2280	2310	2250	2280	2310
	13		Overall width	mm	1080					
	14		Mast lowered height	mm	1995					
	15		Mast extended height (With backrest)	mm	3960					
	16		Overhead guard height	mm	2060					
	17	Turning radius (outside)		mm	1995	2040	2075	1995	2040	2075
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	1800	1825	1857	1800	1825	1857
Performance	19	Speed	Travel (No load)	km/h	14.5					
	20		Lifting (Full load)	mm/s	560					
	21		Lowering (Full load)	mm/s	450					
	22	Max.Drawbar pull (Full load)		kn	20.5(17.5)			21(18)		
	23	Max.Gradeability (Full load)		%	20					
	24	Self weight		kg	2340	2590	2800	2340	2590	2800
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	12/90					
	26	Engine	Model		C240PKJ（EUⅡ/EUⅢ）			4TNE92（EUⅢ）		
	27		Manufacture		ISUZU			YANMAR		
	28		Rated output/r.p.m.	kw	34.5/2500			33/2450		
	29		Rated torque/r.p.m.	N•m	139/1800			150/1600		
	30		No.of cylinder		4					
	31		Fuel tank capacity	L	50					
	32	Transmission	Type		Powershift					
	33		Stage FWD/RVS		1/1					
	34	Operating pressure (For attachments)		Mpa	14.5					

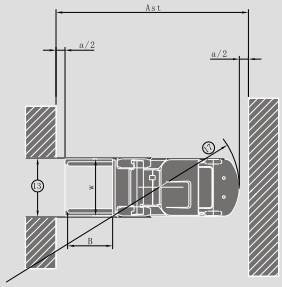
Load Chart





a=200 mm safety clearance

$AST=a+⑨+⑰\sqrt{W^2-(B/2)^2}$



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MAXIMAL FORKLIFT

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M SERIES

2.0 / 2.5 / 3.0 / 3.5t
Diesel Forklift

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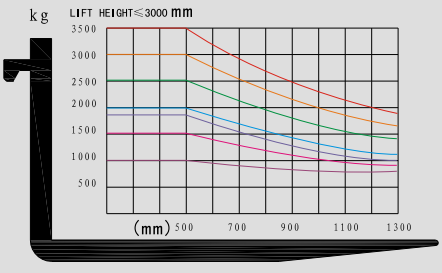
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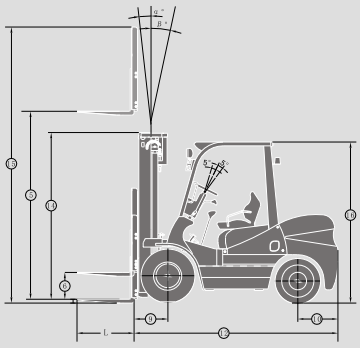
MAXIMAL FORKLIFT SPECIFICATION

M series 2.0-3.5t diesel forklift specification

General	1	Model			FD20T-MWA3	FD25T-MWA3	FD30T-MWA3	FD20T-MWC3	FD25T-MWC3	FD30T-MWE3	FD35T-MWE3
	2	Power Type			Diesel						
	3	Rated Capacity		kg	2000	2500	3000	2000	2500	3000	3500
	4	Load Centre		mm	500						
Characteristic&Dimension	5	Lift height		mm	3000						
	6	Free Lift Height		mm	120	120	145	120	120	145	150
	7	Fork size	L×W×T	mm	1070×122×40	1070×122×40	1070×125×45	1070×122×40	1070×122×40	1070×125×45	1070×125×50
	8	Mast tilt angle	F/R	Deg	6°/12°						
	9	Fork overhang (Wheel center to fork face)		mm	460	460	475	460	460	475	475
	10	Rear Overhang		mm	440	505	525	440	505	525	550
	11	Ground clearance（Bottom of mast）		mm	140	140	145	140	140	145	145
	12	Overall demensions	Length to face of fork (Without fork)	mm	2500	2565	2700	2500	2565	2700	2725
	13		Overall width	mm	1150	1150	1225	1150	1150	1225	1225
	14		Mast lowered height	mm	2045	2045	2090	2045	2045	2090	2160
	15		Mast extended height (With backrest)	mm	4000	4000	4140	4000	4000	4140	4180
	16		Overhead guard height	mm	2070	2070	2090	2070	2070	2090	2090
	17	Turning radius (outside)		mm	2180	2250	2430	2180	2250	2430	2450
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	1940	2010	2140	1940	2010	2140	2160
Performance	19	Speed	Travel (No load)	km/h	19						
	20		Lifting (Full load)	mm/s	510	510	410	510	510	410	380
	21		Lowering (Full load)	mm/s	450						
	22	Max.Drawbar pull (Full load)		kn	17(13.7)	17(13.7)	18.5(14.8)	17(13.5)	17(13.5)	26(21)	26(21)
	23	Max.Gradeability (Full load)		%	20	20	20	20	18	20	18
	24	Self weight		kg	3450	3620	4310	3450	3620	4310	4750
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	12/100						
	26	Engine	Model		C240PKJ（EUⅡ/EUⅢ）			4TNE92（EUⅢ）		4TNE98（EUⅢ）	
	27		Manufacture		ISUZU			YANMAR		YANMAR	
	28		Rated output/r.p.m.	kw	34.5/2500			33/2450		44.4/2300	
	29		Rated torque/r.p.m.	N•m	139/1800			150/1600		187-207/1700	
	30		No.of cylinder		4			4		4	
	31		Fuel tank capacity	L	60	60	70	60		70	
	32	Transmission	Type		Powershift						
	33		FWD/RVS		1/1						
	34	Operating pressure (For attachments)		Mpa	17.5						

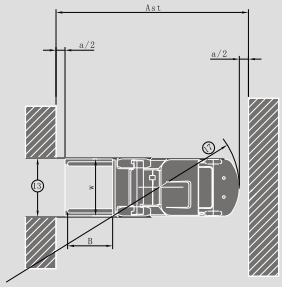
Load Chart





a=200 mm safety clearance

$AST=a+⑨+⑰\sqrt{W^2-(B/2)^2}$



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MAXIMAL FORKLIFT

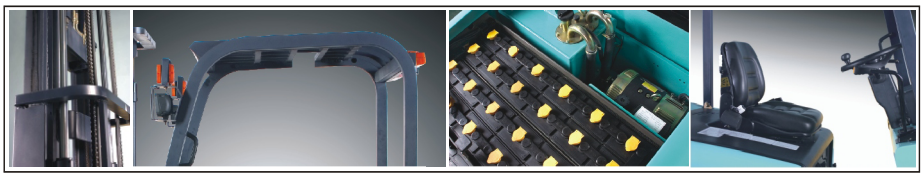
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M SERIES

1.0 / 1.5 / 2.0 / 2.5 / 3.0t

Electric Forklift (Four Wheel)

R&R Forklift Inc ***"The Forklift Parts Specialists"***



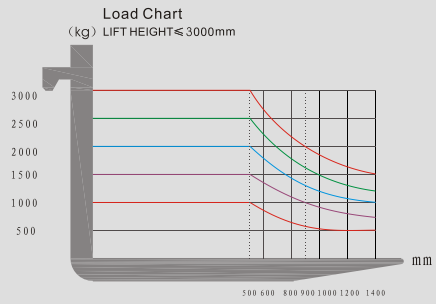


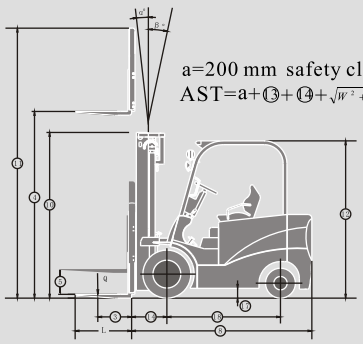
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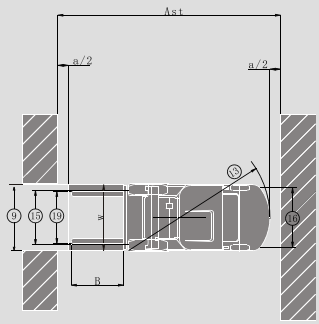
MAXIMAL FORKLIFT SPECIFICATION

M series 1.0-3.0t Electric Four Wheel Forklift Specification

Specification	1	Model			FB10-MQJZ2	FB10-MQJD2	FB15-MQJZ2	FB15-MQJD2	FB20-MQJZ2	FB20-MQJD2	FB25-MQJZ2	FB25-MQJD2	FB30-MQJZ2	FB30-MQJD2
	2	Rated capacity		kg	1000		1500		2000		2500		3000	
	3	Load centre		mm	500									
	4	Lifting height		mm	3000									
	5	Free lifting height		mm	120		120		120		120		145	
	6	Fork size	T×W×L	mm	35×120×920		35×120×920		40×122×1070		40×122×1070		45×130×1070	
	7	Tilting angle	F/R	Deg	6°/12°									
Dimensions	8	Overall Dimension	Length (to forkface)	mm	2140		2160		2320		2340		2525	
	9		Width	mm	1080		1080		1150		1150		1225	
	10		Height when mast lowered	mm	1995		1995		2045		2045		2090	
	11		Height when mast lifting	mm	3935		3935		4000		4000		4160	
	12		Height to safeguard	mm	2130		2130		2110		2110		2110	
	13	Turning radius	Min.	mm	1950		1980		2030		2060		2250	
	14	Overhang		mm	420		420		460		460		475	
	15/16	Tread(Front/Rear)		mm	890/920		890/920		970/950		970/950		1000/970	
	17	Ground clearance	Min.	mm	110		110		120		120		130	
	18	Wheelbase		mm	1380		1380		1500		1500		1600	
	19	Fork spread	Min./Max.	mm	240/1000		240/1000		244/1100		244/1100		260/1100	
	20	Working aisle width with pallet (Ast)*	1000×1200 crossways	mm	3556		3556		3910		3910		4070	
	21		800×1200 lengthways	mm	3655		3655		4010		4010		4170	
Performance	22	Speed	Travel (Laden)	km/h	14									
	23		Travel (Unladed)	km/h	15		15		15		15		14.5	
	24		Lifting (Laden)	mm/s	280		280		280		270		280	
	25		Lifting (Unladed)	mm/s	380		440		480		440		440	
	26	Gradeability	Laden	%	15		15		15		15		13	
	27		Unladed	%	15		15		15		15		14	
	28	Service weight	Include battery box	kg	2890		3050		4100		4300		5150	
	29	Tyre	FrontX2		6.50-10-10PR		6.50-10-10PR		7.00-12-12PR		7.00-12-12PR		28×8-15-12PR	
	30		RearX2		5.00-8-8PR		5.00-8-8PR		18×7-8-14PR		18×7-8-14PR		18×7-8-14PR	
Driven	31	Motor	Driven motor	kw	7.5		7.5		11		11		12	
	32		Pump motor	kw	9.2		9.2		11		11		12	
	33	Battery	Standard	V/Ah	48/450		48/450		48/600		48/600		80/500	
	34	Controller	Type		AC									
	35		Manufacturer		ZAPI / DanaherMotion									
	36	Operating pressure for attachment		Mpa	14.5		14.5		17.5		17.5		17.5	







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MAXIMAL FORKLIFT

maximal

M SERIES

1.3 / 1.6 / 1.8 / 2.0t

Electric Forklift(Three Wheel)

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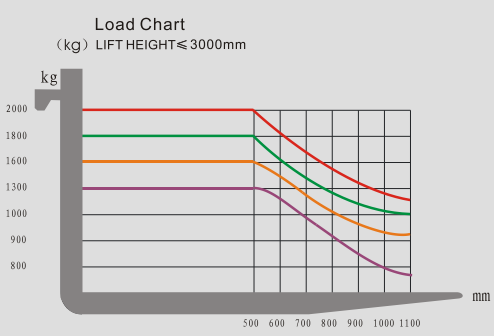


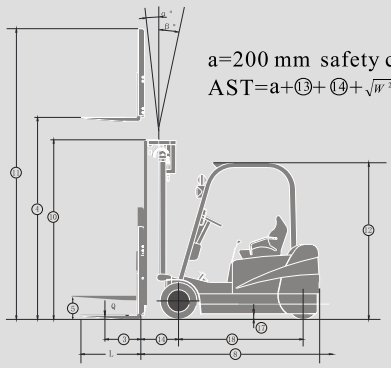
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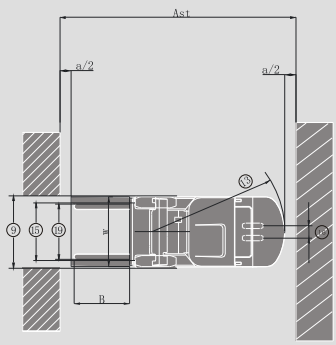
MAXIMAL FORKLIFT SPECIFICATION

M series 1.3-2.0t Electric Three-wheel Forklift Specification

Specification	1	Model			FB13S-MQJZ2	FB13S-MQJD2	FB16S-MQJZ2	FB16S-MQJD2	FB18S-MQJZ2	FB18S-MQJD2	FB20S-MQJZ2	FB20S-MQJD2
	2	Rated capacity		kg	1300		1600		1800		2000	
	3	Load centre		mm	500							
	4	Lifting height		mm	3000							
	5	Free lifting height		mm	120							
	6	Fork size	T×W×L	mm	40×100×900							
	7	Tilting angle	F/R	Deg	6.5°/6.5°							
Dimensions	8	Overall Dimension	Length (to fork face)	mm	1790		1898		1898		2010	
	9		Width	mm	1070		1070		1070		1130	
	10		Height when mast lowered	mm	1995		1995		1995		2055	
	11		Height when mast lifting	mm	3940		3940		3940		4000	
	12		Height to safeguard	mm	1960							
	13	Turning radius	Min.	mm	1435		1545		1545		1655	
	14	Overhang		mm	365							
	15/16	Tread(Front/Rear)		mm	910/175		910/175		910/175		925/175	
	17	Ground clearance	Min.	mm	90							
	18	Wheelbase		mm	1250		1358		1358		1465	
	19	Fork spread	Min./Max.	mm	200/1000							
	20	Working aisle width with pallet (Ast)*	1000×1200 crossways	mm	3160		3270		3270		3380	
	21		800×1200 lengthways	mm	3260		3370		3370		3480	
Performance	22	Speed	Travel (Laden)	km/h	13	14	13	14	13	14	13	13
	23		Travel (Unladed)	km/h	13	14	13	14	13	14	13	13
	24		Lifting (Laden)	mm/s	300		290		280		255	
	25		Lifting (Unladed)	mm/s	460		445		435		405	
	26	Gradeability	Laden	%	15							
	27		Unladed	%	15							
	28	Service weight	Include battery box	kg	2820		3080		3140		3430	
	29	Tyre	Front×2		18×7-8		18×7-8		18×7-8		200/50-10	
	30		Rear×2		15×4.5-8							
Driven	31	Motor	Driven motor×2	kw	5.5×2	4.6×2	5.5×2	4.6×2	5.5×2	4.6×2	5.5×2	4.6×2
	32		Pump motor	kw	8.6	10	8.6	10	8.6	10	8.6	10
	33	Battery	Standard	V/Ah	48/400		48/500		48/500		48/600	
	34	Controller	Type		AC							
	35		Manufacturer		ZAPI / Danaher Motion							
	36	Operating pressure for attachment		Mpa	14.5							







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MAXIMAL FORKLIFT

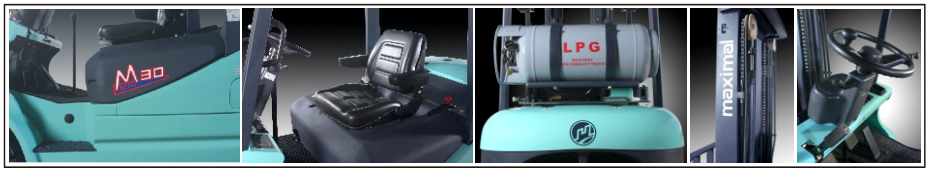
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M SERIES

2.0 / 2.5 / 3.0 / 3.5t

Gasoline/LPG (Mitsubishi Engine)

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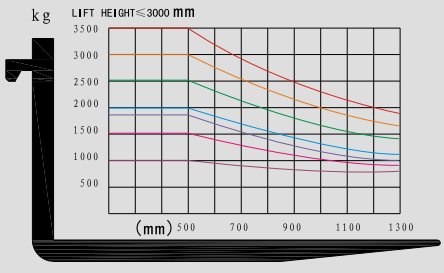
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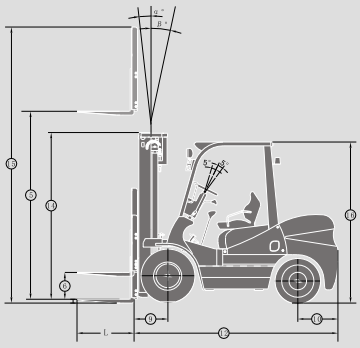
MAXIMAL FORKLIFT SPECIFICATION

M series 2.0-3.5t gasoline/LPG forklift specification

General	1	Model			FGL20T-MWC3	FGL25T-MWC3	FGL30T-MWC3	FGL35T-MWC3
	2	Power Type			LPG/Gasoline			
	3	Rated Capacity		kg	2000	2500	3000	3500
	4	Load Centre		mm	500			
Characteristic&Dimension	5	Lift height		mm	3000			
	6	Free Lift Height		mm	120	120	145	150
	7	Fork size	L×W×T	mm	1070×122×40	1070×122×40	1070×125×45	1070×125×50
	8	Mast tilt angle	F/R	Deg	6°/12°			
	9	Fork overhang (Wheel center to fork face)		mm	460	460	475	475
	10	Rear Overhang		mm	440	505	525	550
	11	Ground clearance (Bottom of mast)		mm	140	140	145	145
	12	Overall demensions	Length to face of fork (Without fork)	mm	2500	2565	2700	2725
	13		Overall width	mm	1150	1150	1225	1225
	14		Mast lowered height	mm	2045	2045	2090	2160
	15		Mast extended height (With backrest)	mm	4000	4000	4140	4180
	16		Overhead guard height	mm	2070	2070	2090	2090
	17	Turning radius (outside)		mm	2180	2250	2430	2450
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	1940	2010	2140	2160
Performance	19	Speed	Travel (No load)	km/h	20	20	19	19
	20		Lifting (Full load)	mm/s	440	440	455	410
	21		Lowering (Full load)	mm/s	450			
	22	Max.Drawbar pull (Full load)		kn	21(17)			
	23	Max.Gradeability (Full load)		%	20	20	20	18
	24	Self weight		kg	3450	3620	4310	4750
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	12/60			
	26	Engine	Model		4G64 (EUI)			
	27		Manufacture		MITSUBISHI			
	28		Rated output/r.p.m.	kw	37/2500			
	29		Rated torque/r.p.m.	N·m	161/1600			
	30		No.of cylinder		4			
	31		Fuel tank capacity	L	60	60	70	70
	32	Transmission	Type		Powershift			
	33		Stage	FWD/RVS	1/1			
	34	Operating pressure (For attachments)		Mpa	17.5			

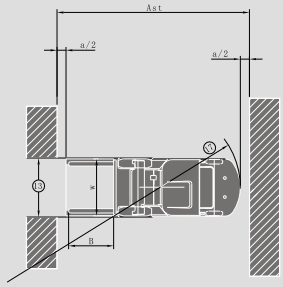
Load Chart



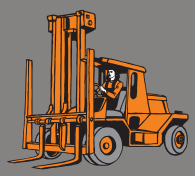


a=200 mm safety clearance

AST=a+⑨+⑰$\sqrt{W^2+(B/2)^2}$



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MAXIMAL FORKLIFT

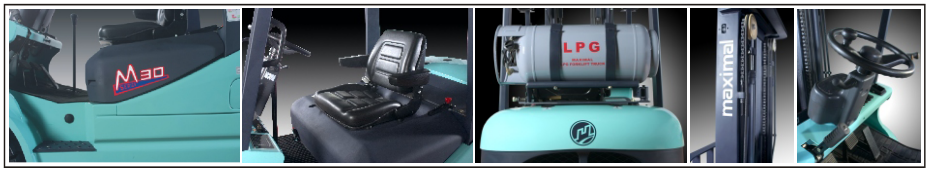
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M SERIES

1.0 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5t

Gasoline/LPG (Nissan Engine)

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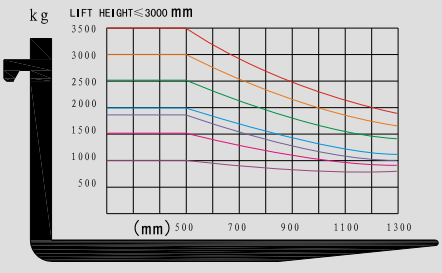
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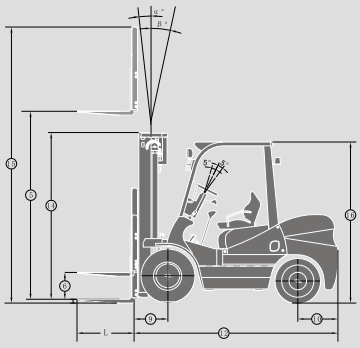
MAXIMAL FORKLIFT SPECIFICATION

M series 1.0-3.5t gasoline/LPG forklift specification

General	1	Model			FGL10T-MWB3	FGL15T-MWB3	FGL18T-MWB3	FGL20T-MWA3	FGL25T-MWA3	FGL30T-MWA3	FGL35T-MWA3
	2	Power Type			LPG/Gasoline						
	3	Rated Capacity		kg	1000	1500	1800	2000	2500	3000	3500
	4	Load Centre		mm	500						
Characteristic&Dimension	5	Lift height		mm	3000						
	6	Free Lift Height		mm	120					145	150
	7	Fork size	L×W×T	mm	920×100×35	920×100×35	920×100×38	1070×122×40	1070×122×40	1070×125×45	1070×125×50
	8	Mast tilt angle	F/R	Deg	6°/12°						
	9	Fork overhang (Wheel center to fork face)		mm	420			460	460	475	475
	10	Rear Overhang		mm	420	460	495	440	505	525	550
	11	Ground clearance (Bottom of mast)		mm	110			140	140	145	145
	12	Overall demensions	Length to face of fork (Without fork)	mm	2250	2280	2310	2500	2565	2700	2725
	13		Overall width	mm	1080			1150	1150	1225	1225
	14		Mast lowered height	mm	1995			2045	2045	2090	2160
	15		Mast extended height (With backrest)	mm	3960			4000	4000	4140	4180
	16		Overhead guard height	mm	2060			2070	2070	2090	2090
	17	Turning radius (outside)		mm	1995	2040	2075	2180	2250	2430	2450
	18	Min.right angle stacking aisle width (add load length and clearance)		mm	1800	1825	1857	1940	2010	2140	2160
Performance	19	Speed	Travel (NO load)	km/h	14.5			21	21	19	19
	20		Lifting(Full load)	mm/s	500			490	490	390	360
	21		Lowering(Full load)	mm/s	450			450			
	22	Max.Drawbar pull (Full load)		kn	21(17.8)			22(18)			
	23	Max.Gradeability (Full load)		%	20						18
	24	Self weight		kg	2340	2590	2800	3450	3620	4310	4750
Power&Transmission	25	Battery	Voltage/Capacity	V/Ah	12/60						
	26	Engine	Model		K21			K25			
	27		Manufacture		NISSAN						
	28		Rated output/r.p.m.	kw	31.5/2300			44.2 / 2500			
	29		Rated torque/r.p.m.	N•m	144/1600			186.2 / 1600			
	30		No.of cylinder		4						
	31		Fuel tank capacity	L	50			60	60	70	70
	32	Transmission	Type		Powershift						
	33		FWD/RVS		1/1						
	34	Operating pressure (For attachments)		Mpa	14.5			17.5			

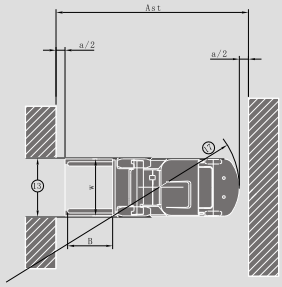
Load Chart





a=200 mm safety clearance

$AST=a+⑨+⑰\sqrt{W^2+(B/2)^2}$



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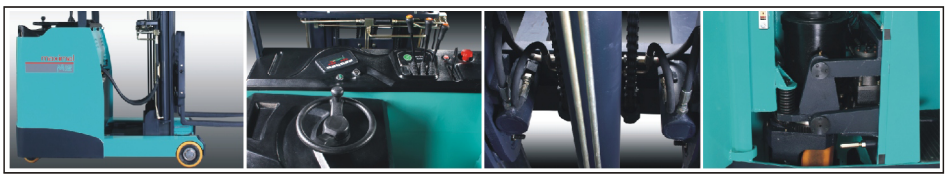
MAXIMAL FORKLIFT

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M SERIES

1.0 / 1.3 / 1.5 / 1.8 / 2.0t
Reach Truck

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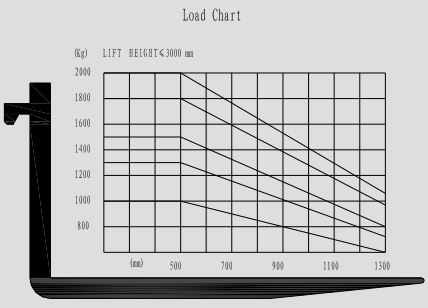


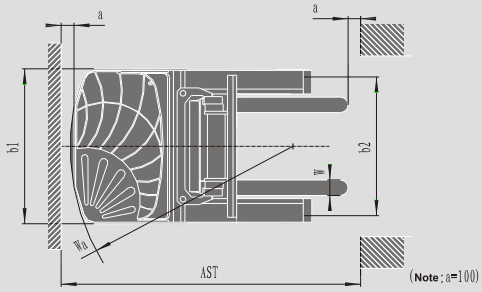
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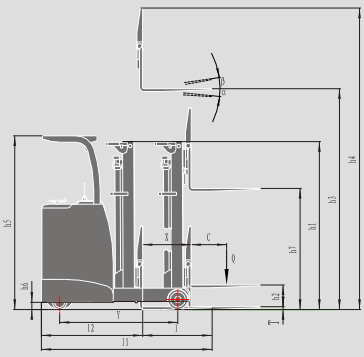
MAXIMAL FORKLIFT SPECIFICATION

M series 1.0-2.0t reach truck specification

Performances	1	Model		FBR10-MC	FBR10-MJZ	FBR13-MC	FBR13-MJZ	FBR15-MC	FBR15-MJZ	FBR18-MC	FBR18-MJZ	FBR20-MC	FBR20-MJZ
	2	Power		battery									
	3	Operation		stand-on									
	4	Rated load capacity	Q (kg)	1000		1300		1500		1800		2000	
	5	Rated lift height	h3 (mm)	3000									
	6	Load centre	C (mm)	500									
	7	Fork carriage tilt (forward /backward)	(deg)	3°/5°									
	8	Travel speed (with/without load)	(km/h)	7.7/8.0	8/8.5	7.5/7.8	8/8.5	9.5/10	8.8/9.3	9.2/10	8.5/9.3	8.5/9	9.1/9
	9	Lifting speed (laden)	(mm/s)	160	175	160	175	230	240	220	230	210	220
	10	Max gradeability (laden)	(%)	>12								>10	
	11	Min turning radius	wa (mm)	1430		1500		1580		1660		1700	
	12	Reach distance	X (mm)	550		600		500		550		600	
	13	Wheel base	Y (mm)	1080		1130		1370		1420		1470	
	14	Service brake		mech	elec	mech	elec	mech	elec	mech	elec	mech	elec
Dimension and Weight	15	Overall length	l1 (mm)	1790		1820		2057		2107		2187	
	16	Main body length	l2 (mm)	955				1257					
	17	Overall width	b1 (mm)	1020				1200					
	18	Height of mast,lowered	h1 (mm)	2080				2120					
	19	Free lift height	h2 (mm)	330				330					
	20	Height of mast,extended	h4 (mm)	3945				4000					
	21	Height of overhead guard	h5 (mm)	2160									
	22	Fork dimensions(T×W×L)	(mm)	35×100×900				35×120×900		45×120×900			
	23	Min ground clearance	h6 (mm)	80									
	24	Aisle width with pallet (1200×1200)	Ast1 (mm)	2650		2700		2900		2900		2900	
	25	Aisle width with pallet (1000×1000)	Ast2 (mm)	2430		2500		2680		2680		2680	
	26	Service weight	(kg)	1700		1800		2550		2650		2800	
Drive	27	Drive motor	(Kw)	2.2				3.7					
	28	Lift motor	(Kw)	2				8.2					
	29	Battery:voltage/capacity (5h)	(V/Ah)	24/390				48/450					
Tyres	30	Tyres		polyurethane tyre									
	31	Size of front tyre		250×71		250×120		250×120					
	32	Size of rear tyre		381×120				381×120					
	33	Size of balancing tyre		170×70				170×70					
	34	Track width(front)	b2 (mm)	950				1080					
	35	Track width(rear)	b3 (mm)	506				580					
Others	36	Turning system		mech				hyd					
	37	Speed control system		Curtis /ZAPI				Curtis /ZAPI					







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