

MAXIMAL FORKLIFT SPECIFICATION

M Series 1.0-3.0T Electric Forklift Specification													
Specification	Model		1	FB10-MQJZ2	FB10-MQJZ2	FB15-MQJZ2	FB15-MQJZ2	FB20-MQJZ2	FB20-MQJZ2	FB25-MQJZ2	FB25-MQJZ2		
	Rated Capacity	kg	2	1000	1500	2000	2500	3000					
Load Centre	mm	3	500	500	500	500	500						
Lifting Height	mm	4	3000	3000	3000	3000	3000						
Free Lifting Height	mm	5	120	120	120	120	120						
Fork Size	L×W×T	mm	6	920×120×35	920×120×35	1070×122×40	1070×122×40	1070×130×45					
Tilting Angle	F/R (α°/β°)	Deg	7	6/12	6/12	6/12	6/12	6/12					
Overall Dimension	Length (to fork face)	mm	8	2140	2160	2320	2340	2525					
	Width	mm	9	1080	1080	1150	1150	1150					
	Height when mast lowered	mm	10	1995	1995	2045	2045	2090					
	Height when mast lifting	mm	11	3935	3935	4000	4000	4160					
	Height to safeguard	mm	12	2130	2130	2110	2110	2110					
	Turning Radius(Min)	mm	13	1780	1780	2030	2060	2250					
	Overhang	mm	14	420	420	460	460	475					
Tread (Front/Rear)	mm	15/16	890/920	890/920	970/970	970/950	1000/970						
Ground Clearance (Min)	mm	17	110	110	120	120	130						
Wheelbase	mm	18	1380	1380	1500	1500							
Fork Spread (Min/Max)	mm	19	240/1000	240/1000	245/1100	245/1100	260/1100						
Working Aisle Width with Pallet (Ast)*	1000×1200 crossways	mm	20	3556	3556	3910	3910						
	800×1200 lengthways	mm	21	3655	3655	4010	4010	4170					
Speed	Travel (Laden)	km/h	22	12	14	12	14	12	14				
	Travel (Unladen)	km/h	23	13	14	13	14	13	14	15	14.5		
	Lifting (Laden)	mm/s	24	300	290	280	270						
	Lifting (Unladen)	mm/s	25	450	440	440	430	440					
Gradeability	Laden	%	26	13	15	13	15	12	13	12	13		
	Unladen	%	27	14	16	14	16	13	14	13	14		
Service Weight	Include battery box	kg	28	2890	2950	4100	4300						
Tyre	FrontX2		29	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28×8-15-12PR					
	RearX2		30	5.00-8-8PR	5.00-8-8PR	18×7-8-14PR	18×7-8-14PR	18×7-8-14PR					
Motor	Driven motor	kw	31	5.4	8	5.4	8	7	10.5	7	10.5	10.2	10.6
	Pump motor	kw	32	8.2	7.8	8.2	7.8	10	11	10	12		
Battery	Standard	V/Ah	33	48/450	48/450	48/600	48/600	80/500					
	Optional	V/Ah	34	-	-	48/700	48/700						
Controller	Type		35	MOSFET	MOSFET	MOSFET	MOSFET	MOSFET					
	Manufacturer		36	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI					
Operating pressure for attachment	Mpa	37	14.5	14.5	17.5	17.5	17.5						

WIDE VIEW MAST											
Mast Name	Max Lift Height (mm)	FB10	FB15	FB20	FB25	FB30	FB35	FB40	FB45	FB50	Tilt Angle (F/B)
BM200	2000	1000	1500	2000	2500	3000	1495	1500	1590	6/12	
	2500	1000	1500	2000	2500	3000	1495	1800	1840	6/12	
BM300	3000	1000	1500	2000	2500	3000	1995	2000	2090	6/12	
BM350	3500	1000	1500	2000	2500	3000	2245	2250	2340	6/12	
BM370	3700	1000	1500	2000	2500	3000	2145	2150	2240	6/6	
BM400	4000	1000	1500	2000	2400	3000	2545	2550	2640	6/6	
BM425	4250	950	1300	1850	2100	2700	2445	2450	2765	6/6	
BM450	4500	900	1250	1800	2150	2700	2795	2800	2890	6/6	
BM500	5000	880	950	1600	1900	2500	3045	3050	3140	6/6	
BM550	5500	850	800	1500	1500	2000	3345	3350	3440	*3/6	
BM600	6000	500	500	1000	1000	1500	3545	3550	3690	*3/6	

NOTE: *) Rated capacity with front dual tires

WIDE VIEW FULL FREE 2-STAGE MAST													
Mast Name	Max Lift Height (mm)	FB10	FB15	FB20	FB25	FB30	FB35	FB40	FB45	FB50	Tilt Angle (F/B)		
BFM200	2000	1000	1500	2000	2500	3000	1495	1500	1590	485	580	435	6/12
	2500	1000	1500	2000	2500	3000	1495	1800	1840	830	680	6	
BFM300	3000	1000	1500	2000	2500	3000	1995	2000	2090	985	1080	935	6/12
	3300	1000	1500	2000	2500	3000	2145	2150	2240	1235	1080	6	
BFM350	3500	1000	1500	2000	2500	3000	2245	2250	2340	1235	1330	1185	6/12
	3700	1000	1500	2000	2400	3000	2545	2550	2640	1535	1630	1485	6/6
BFM400	4000	1000	1500	2000	2400	3000	2545	2550	2640	1535	1630	1485	6/6
	4500	950	1300	1850	2100	2700	2795	2800	2890	1785	1880	1735	6/6
BFM450	4500	900	1250	1800	2150	2700	2795	2800	2890	1785	1880	1735	6/6
	5000	880	950	1600	1900	2500	3045	3050	3140	2005	6		
BFM550	5500	850	800	1500	1500	2000	3345	3350	3440	2335	2430	2285	*3/6
BFM600	6000	550	500	1000	1000	1500	3545	3550	3690				

NOTE: *) Rated capacity with front dual tires

WIDE VIEW FULL FREE 3-STAGE MAST													
Mast Name	Max Lift Height (mm)	FB10	FB15	FB20	FB25	FB30	FB35	FB40	FB45	FB50	Tilt Angle (F/B)		
BTFM360	3600	1000	1400	2000	2400	2900	1790	1800	1950	750	867	782	6/6
	4000	850	1350	1900	2300	2800	2040	2050	2195	1000	1117	1032	6/6
BTFM435	4350	850	1250	1850	2200	2700	2040	2050	2195	1000	1117	1032	6/6
	4700	830	1180	1720	2000	2500	2160	2165	2245	1120	1232	1082	6/6
BTFM480	4800	820	1150	1650	1900	2400	2160	2165	2245	1120	1232	1082	6/6
BTFM500	5000	800	900	1600	1600	2100	2290	2300	2445	1250	1367	1282	6/6
BTFM540	5400	800	900	1600	1600	2100	2290	2300	2445	1250	1367	1282	6/6
BTFM600	6000	500	450	950	950	1300	2650	2650	2795	1610	1717	1632	3/6
BTFM650	6500	600	600	900	900	1300	2855	2855	2855	1840	-	-	*3/6

NOTE: *) Rated capacity with front dual tires



M SERIES
1.0/1.5/2.0/2.5/3.0t
Electric forklift
Sino-American Zhejiang Maximal Forklift Co.,Ltd.

