



MQC MULTI DIRECTIONAL SERIES

MQC 2500 kgs - 3000 kgs



MQC Series – Multi-Directional Forklift Truck – Capacity: 2,500 to 5,000Kgs | Lift Height: 4.5m up to 8.8m

The MQC Series is a high-capacity, multi-directional reach truck designed for efficient handling of long and heavy loads in narrow aisle environments. With rated capacities from 2.5 to 5.0 tonnes, it features a mast that moves forward or retracts as a complete unit, and includes an extra-wide fork positioner for greater load stability. Equipped with independent four-wheel steering, the MQC supports a full range of movement — including straight-line, sideways, diagonal, and on-the-spot rotation. When operating laterally, it requires minimal aisle width, making it ideal for handling long materials like pipes, timber, or panels in space-constrained warehouse settings.

Ideal for:

- Builders Merchants, Timber Industry and Steel Industry
- Long-load handling (pipes, panels, timber)
- Multi-directional operations requiring flexibility and fast turnaround

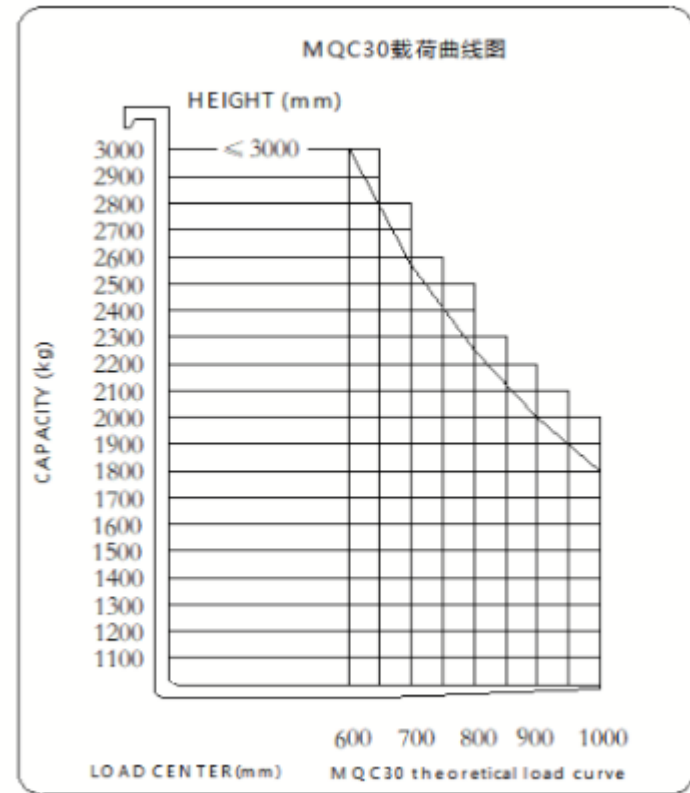
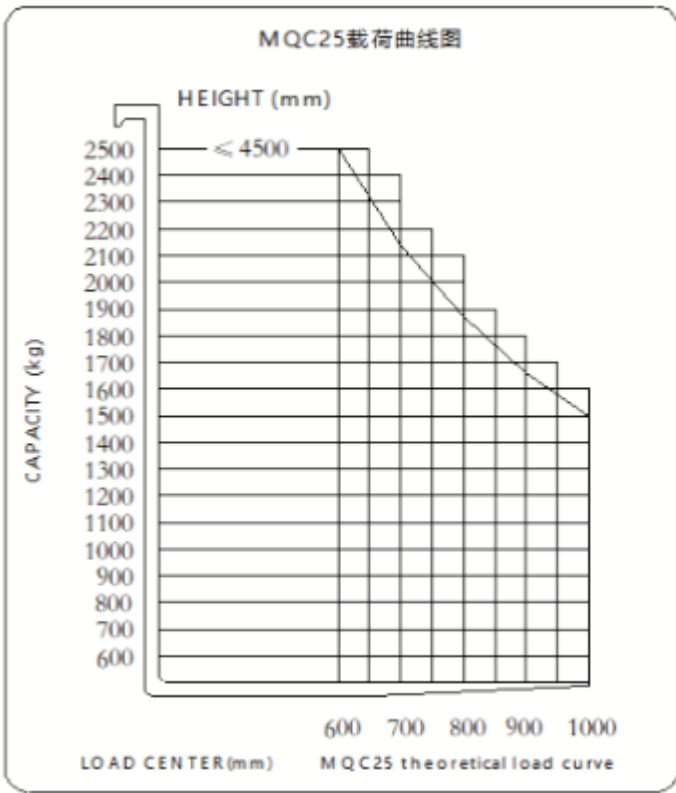
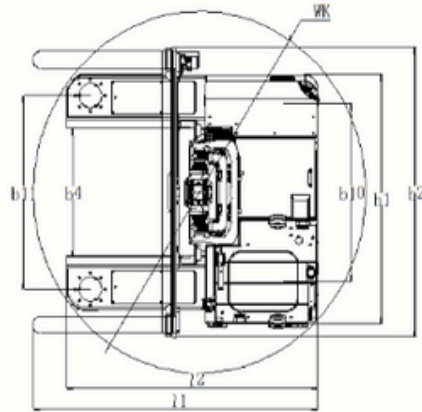
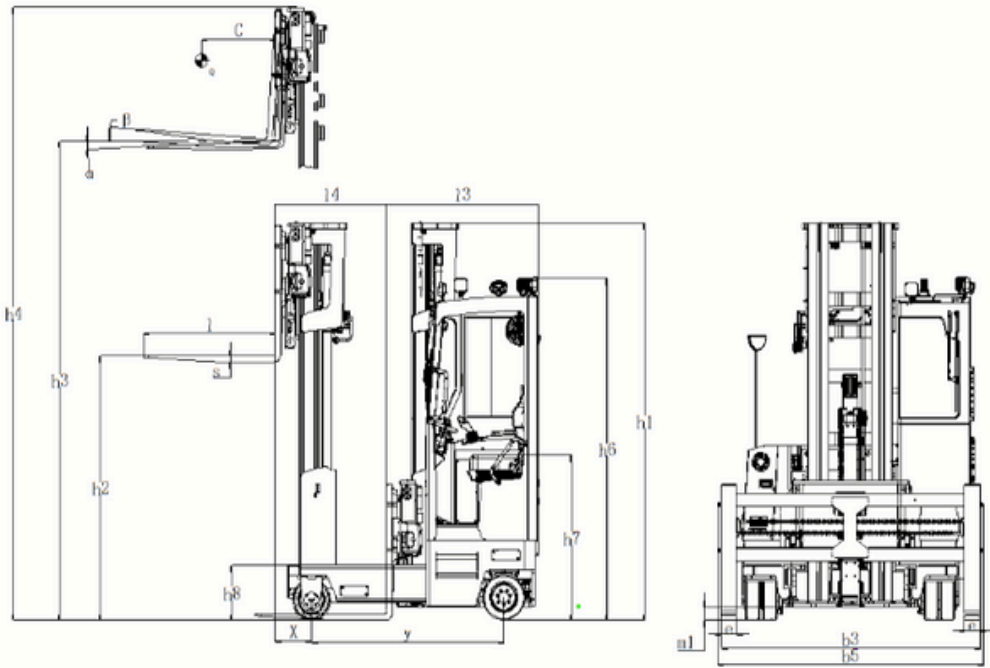
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Characteristics	1.1	Manufacturer		MIMA	MIMA
	1.2	Model		MQC25	MQC30
		Model code		MQC25	MQC30
	1.3	Power Type		Battery	Battery
	1.4	Operation type		Seated	Seated
	1.5	Load capacity	Q (t)	2.5	3
	1.6	Load center	C(mm)	600	600
	1.8	Front overhang	x(mm)	630	630
	1.9	Wheelbase	y(mm)	1560	1560
Weight		Front overhang	x1(mm)	270	270
	2.1	Service weight(incl.battery)	kg	/	/
	2.2	Axle loading, laden rear/front	kg	/	/
	2.3	Axle loading, unladen rear/front	kg	/	/
Wheels	3.1	Tyre type,front/rear		Solid rubber	Polyurethane/Solid rubber
	3.2	Tyre size, front	in/mm	12×4.5/φ305×114	φ305×114
	3.3	Tyre size, rear	in/mm	13.5×5.5/φ343×140	13.5×5.5/φ343×140
	3.5	Wheels,number front/rear (X=driven)		4 / 2X	4 / 2X
	3.6	Track width, front	b10(mm)	1442	1442
	3.7	Track width, rear	b11(mm)	1320	1320
Dimensions	4.1	Fork tilt,front/rear	α/β(°)	2/4	2/4
	4.2	Mast retracted height	h1 (mm)	Refer to the mast specification	Refer to the mast specification
	4.3	Free lift height	h2 (mm)	Refer to the mast specification	Refer to the mast specification
	4.4	Lift height	h3 (mm)	Refer to the mast specification	Refer to the mast specification
	4.5	Mast extended height	h4 (mm)	Refer to the mast specification	Refer to the mast specification
	4.7	Cabin height (with/without light)	h6 (mm)	2550/2430	2550/2430
	4.8	Seat height	h7(mm)	1235	1235
	4.10	Support legs height	h8(mm)	410	410
	4.19	Overall length(without guide wheel)	l1 (mm)	2300	2300
	4.20	Length to face of forks	l2 (mm)	1230	1230
	4.21	Overall width	γ1/b2(mm)	1850/2160	1850/2160
	4.22	Fork dimensions	s/c/l(mm)	45/125/1070	45/125/1070
	4.24	Fork carriage width	b3 (mm)	2160	2160
	4.25	Fork outside spread	b5 (mm)	2100 ~ 550	2100 ~ 550
	4.26	Support legs inner width	b4 (mm)	950	950
	4.28	Reach distance	l4 (mm)	900	900
	4.31	Min. ground clearance	m1 (mm)	100	100
	4.34	Aisle width	Ast (mm)	Refer to the aisle width specification	Refer to the aisle width specification
		Unladen in-situ rotation diameter	Wk (mm)	2660	2660
	4.37	Body to support arms length	l7 (mm)	2030	2030

Performance	5.1	Sideways travelling speed, laden/unladen	km/h	8/9	8/9
		Straight travelling speed, laden/unladen	km/h	6/7	6/7
	5.2	Lifting speed, laden/unladen	mm/s	200/300	200/300
	5.3	Lowering speed, laden/unladen	mm/s	300/220	300/220
	5.4	Reaching speed, laden/unladen	mm/s	\	\
	5.8	Sideways driving gradeability, laden/unladen	%(tanθ)	8/10	8/10
		Straight driving gradeability, laden/unladen	%(tanθ)	8/10	8/10
	5.10	Service brake		Electromagnetic	Electromagnetic
		Parking brake		Electromagnetic	Electromagnetic
Drive	6.1	Drive motor, rating S2=60	kw	6.5 AC	6.5 AC
	6.2	Lift motor, rating S3=15%	kw	12.5 AC	12.5 AC
	6.4	Lead acid battery voltage/nominal capacity I	V/Ah	48/500	48/500
	6.5	Battery Weight	V/Ah	810	810
	6.7	Lithium battery voltage/nominal capacity (O	V/Ah	48/460	48/460
	6.9	Lithium battery weight(Optional)	kg	162	162
Others		Battery replacement method		Hoisting	Hoisting

*Standard model data, will vary according to different configurations

Note: Standard with fork positioner, optional fork sensing function



Load Parameter Sheet MQC25

Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
	C(mm)➤@		600	700	800	900	1000
Triplex Full Free Mast							
	80SQ	8000	900	775	675	600	540
	75SQ	7500	1200	1025	900	800	720
	70SQ	7000	1500	1275	1125	1000	900
	65SQ	6500	1700	1450	1275	1125	1020
	60SQ	6000	1900	1625	1425	1275	1140
	55SQ	5500	2100	1800	1575	1400	1260
	50SQ	5000	2300	1975	1725	1550	1380
	45SQ	4500	2500	2150	1875	1675	1500

Note: 1.The datas are for standard models;
2.The combined load capacity of the addition of other attachments must be calculated.

Load Parameter Sheet MQC30

Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
	C(mm)➤@		600	700	800	900	1000
Triplex Full Free Mast							
	80SQ	8000	1100	950	825	725	660
	75SQ	7500	1400	1200	1050	925	840
	70SQ	7000	1700	1450	1275	1125	1020
	65SQ	6500	1900	1625	1425	1275	1140
	60SQ	6000	2100	1800	1575	1400	1260
	55SQ	5500	2300	1975	1725	1525	1380
	50SQ	5000	2500	2150	1875	1675	1500
	45SQ	4500	2600	2225	1950	1725	1560
	None	4000	2700	2325	2025	1800	1620
	None	3000	3000	2575	2250	2000	1800

Note: 1.The datas are for standard models;
2.The combined load capacity of the addition of other attachments must be calculated.

Mini. stacking aisle specifications

MQC25/30								
		Pallet Along Fork (L)						
	mm	800	1000	1200	1400	1600	1800	2000
Pallet Cross Fork (W)	5000	2530	2730	2930	3130	3330	3530	3730
	6000	2630	2830	3030	3230	3430	3630	3830
	7000	2730	2930	3130	3330	3530	3730	3930
	8000	2830	3030	3230	3430	3630	3830	4030

Note:
1.The data indicates the minimum stacking aisle width, which is the clear aisle between two shelves; when the goods extend out of the shelf, the aisle distance needs to be increased accordingly. It is recommended that plus 2 times the actual size of the goods extending out of the shelf or more
2.Efficiency channel width requires to plus 100 or more

Mast & Service Weight Specifications MQC25

Mast type	Mast model	Lift height	Mast retracted height	Mast extended height	Free lift height	Service Weight (Inc standard battery)
		mm				kg
	Model►MQC25					
Triplex Full Free Mast			3740	9040		
	30SQ	8000			2680	5570
	75SQ	7500			2415	5490
	70SQ	7000	3305	8040	2245	5455
	65SQ	6500	3140	7540	2080	5420
	60SQ	6000	2970	7040	1915	5380
	55SQ	5500	2805	6540	1745	5340
	50SQ	5000	2640	6040	1580	5305
	45SQ	4500	2470	5540	1415	5265

Note: Service Weight is for reference only (the service weight without mast is 3480 kg)
Please contact us for customized configurations

Mast & Service Weight Specifications MQC30

Mast type	Mast model	Lift height	Mast retracted height	Mast extended height	Free lift height	Service Weight
		mm				kg
	Model►MQC30					
Triplex Full Free Mast			3905	9080		
	30SQ	8000			2845	5575
	75SQ	7500	3640	8580	2580	5535
	70SQ	7000	3470	8080	2415	5500
	65SQ	6500	3305	7580	2245	5460
	60SQ	6000	3140	7080	2080	5420
	55SQ	5500	2970	6580	1915	5385
	50SQ	5000	2805	6080	1745	5350
	45SQ	4500	2640	5580	1580	5310

Note: Service Weight is for reference only (the service weight without mast is 3360 kg)
Please contact us for customized configurations.