



MQC MULTI DIRECTIONAL SERIES

MQC 35000 kgs - 5000 kgs



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

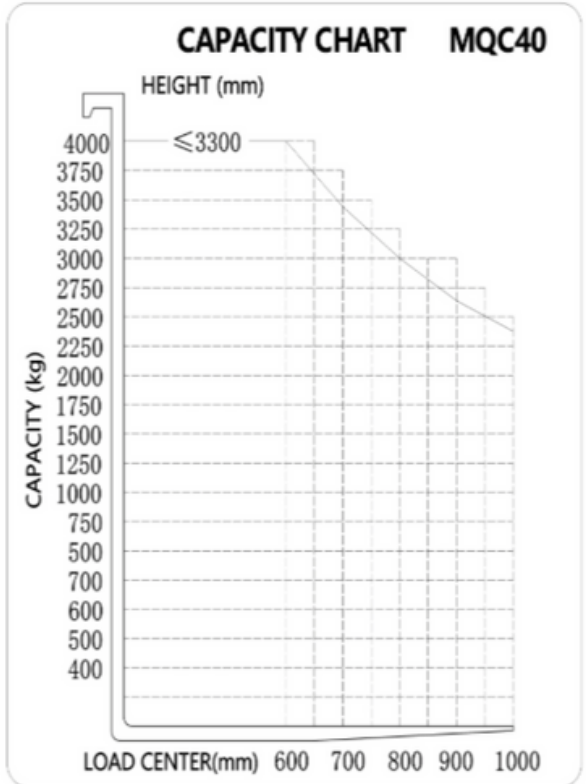
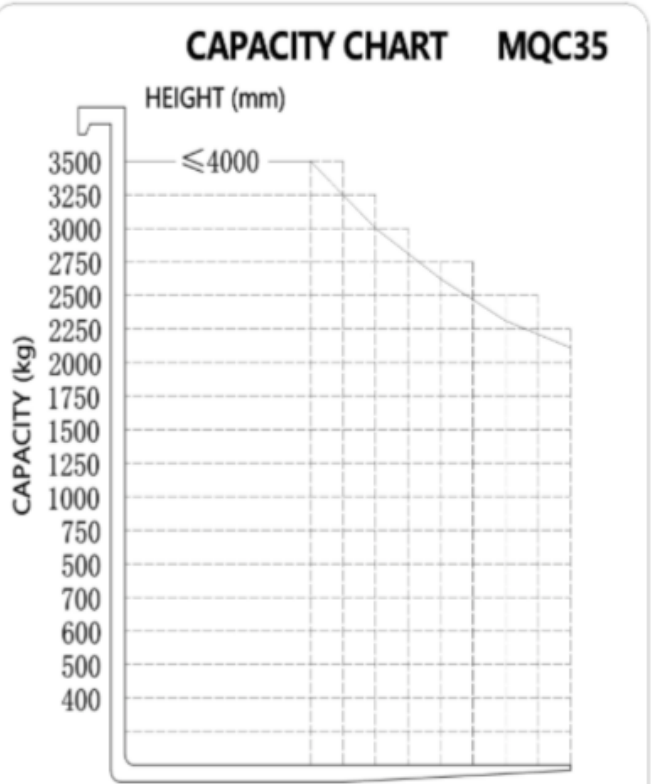
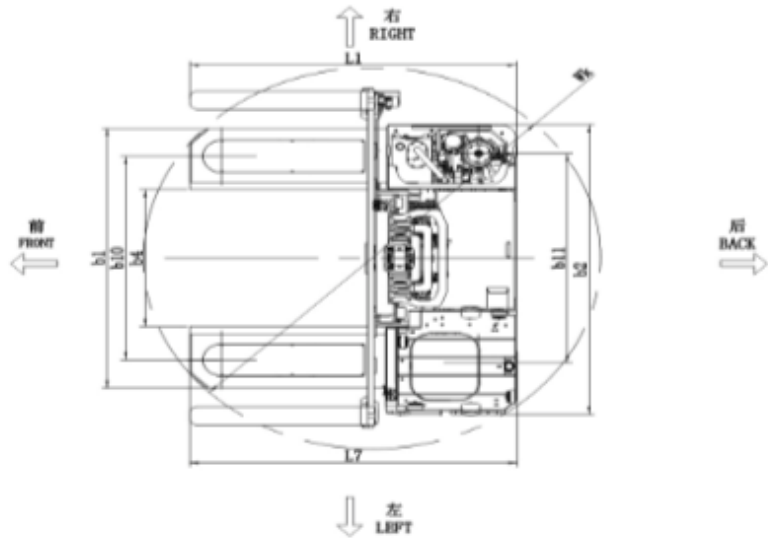
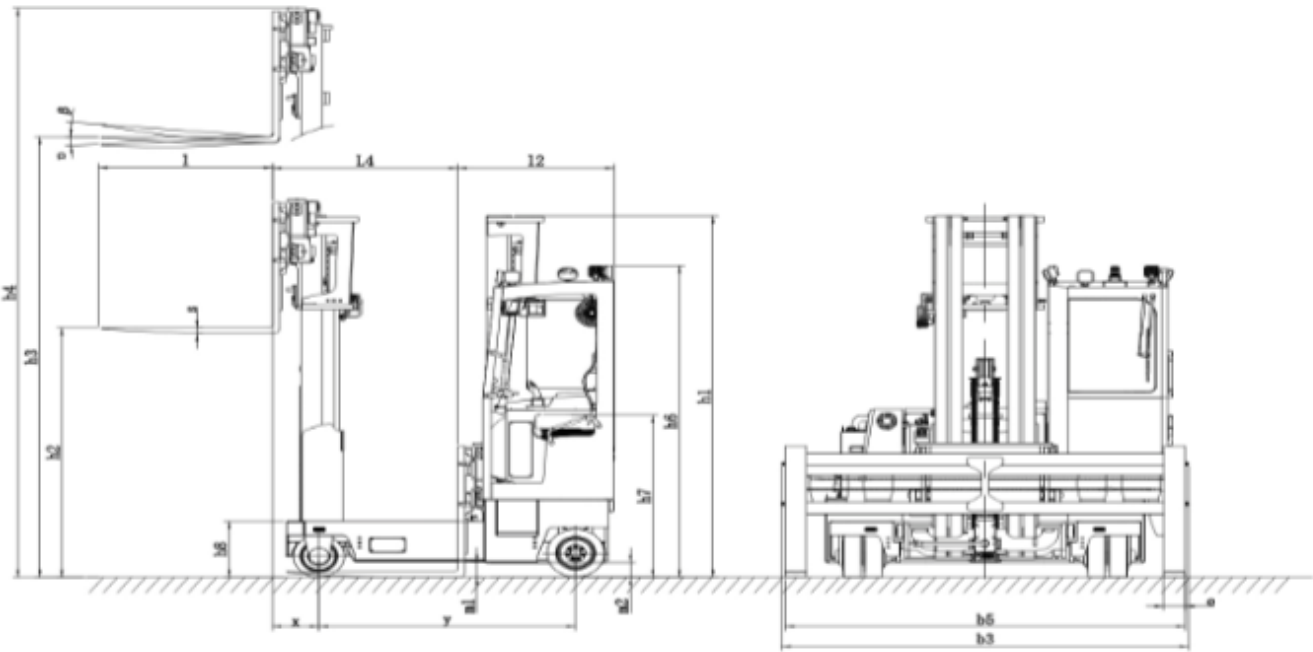
The MQC Series is a high-capacity, multi-directional reach truck designed for efficient handling of long and heavy loads in narrow aisle environments. With rated capacities from 2.5 to 5.0 tonnes, it features a mast that moves forward or retracts as a complete unit, and includes an extra-wide fork positioner 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

MQC 35/40

Characteristics	1.1	Manufacturer		MIMA	MIMA
	1.2	Model		MQC35	MQC40
		Model code		MQC35	MQC40
	1.3	Power Type		Battery	Battery
	1.4	Operation type		Seated	Seated
	1.5	Load capacity	Q(kg)	3500	4000
	1.6	Load center	C(mm)	600	600
	1.8	Front overhang	x(mm)	325	325
	1.9	Wheelbase	y(mm)	1800	1800
Wheels	3.1	Tyre type,front/rear		Solid rubber	Polyurethane/Solid rubber
	3.2	Tyre size, front	in/mm	14×5-10	φ350×110
	3.3	Tyre size, rear	in/mm	16×7-10.5	16×7-10.5
	3.5	Wheels,number front/rear (X=driven)		4 / 2X	4 / 2X
	3.6	Track width, front	b10(mm)	1712	1712
	3.7	Track width, rear	b11(mm)	1760	1760
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)	2674/2547	2674/2547
	4.8	Seat height	h7(mm)	1365	1365
	4.10	Support legs height	h8(mm)	475	475
	4.19	Overall length(without guide wheel)	l1(mm)	2300	2300
	4.20	Length to face of forks	l2(mm)	1100	1100
	4.21	Overall width	l1/b2(mm)	2183/2435	2183/2435
	4.22	Fork dimensions	s/e/l(mm)	50/150/1200	50/150/1200
	4.24	Fork carriage width	b3(mm)	2860	2860
	4.25	Fork outside spread	b5(mm)	2800 ~ 560	2800 ~ 560
	4.26	Support legs inner width	b4(mm)	1150	1150
	4.28	Reach distance	l4(mm)	1300	1300
	4.31	Ground clearance(laden, under mast)	m1(mm)	122	122
	4.32	Ground clearance(laden, wheelbase cen	m2(mm)	120	120
	4.34	Aisle width	Ast(mm)	Refer to the aisle width specificatio	Refer to the aisle width specification
	4.37	Body to support arms length	l7(mm)	2300	2300
		Unladen in-situ rotation diameter	Wk(mm)	3210	3210
Performance	5.1	Straight travelling speed, laden/unladen	km/h	7/8	7/8
		Sideways travelling speed, laden/unladen	km/h	7/8	7/8
	5.2	Lifting speed, laden/unladen	mm/s	150/250	150/250
	5.3	Lowering speed, laden/unladen	mm/s	195/160	195/160
	5.8	Sideways driving gradeability, laden/unla	%	8	8
		Straight driving gradeability, laden/unlad	%	8	8
	5.10	Service brake		Electromagnetic	Electromagnetic
		Parking brake		Electromagnetic	Electromagnetic
Drive	6.1	Drive motor, rating S2=60	kw	AC8	AC8
	6.2	Lift motor, rating S3=15%	kw	AC15	AC15
	6.4	Lead acid battery voltage/nominal capaci	V/Ah	48/560	48/560
	6.5	Battery Weight	kg	910	910
		Lead-acid battery(700AH) voltage/capacity/weight		48/700/1058	48/700/1058
		Lithium battery(600AH) voltage/capacity	V/Ah/kg	48/600/320	48/600/320
		Lithium battery(460AH) voltage/capacity	V/Ah/kg	48/460/240	48/460/240
	Note: 1. The driving speed, lifting and lowering speed, climbing ability and other parameters noted in the above sheet are for the triplex full free mast				
	2. Standard model data, will vary according to different configurations				



Load Parameter Sheet MQC35							
Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
Triplex Full Free Mast	C(mm)▶@		600	700	800	900	1000
	80T	8000	2000	1710	1500	1330	1200
	75T	7500	2250	1930	1690	1500	1350
	70T	7000	2500	2140	1875	1670	1500
	65T	6500	2750	2360	2060	1830	1650
	60T	6000	3000	2570	2250	2000	1800
	55T	5500	3125	2680	2340	2080	1875
	50T	5000	3250	2790	2430	2170	1950
	45T	4500	3375	2890	2530	2250	2025
	40T[2]	4000	3500	3000	2625	2330	2100

- Note:
- 1.The comprehensive load capacity of other attachments needs to be calculated;

2.Lifting height of 3300mm and 4000mm are only load-free height parameters, and the actual standard configuration does not have a mast with this height. ;

Load Parameter Sheet MQC40							
Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
Triplex Full Free Mast	C(mm)▶@		600	700	800	900	1000
	80T	8000	2000	1710	1500	1330	1200
	75T	7500	2250	1930	1690	1500	1350
	70T	7000	2500	2140	1875	1670	1500
	65T	6500	2750	2360	2060	1830	1650
	60T	6000	3000	2570	2250	2000	1800
	55T	5500	3125	2680	2340	2080	1875
	50T	5000	3250	2790	2430	2170	1950
	45T	4500	3375	2890	2530	2250	2025
	40T[2]	4000	3500	3000	2625	2330	2100
	33T[2]	3300	4000	3430	3000	2670	2400

- Note:
- 1.The comprehensive load capacity of other attachments needs to be calculated;

2. Lifting height of 3300mm and 4000mm are only load-free height parameters, and the actual standard configuration does not have a mast with this height.

Mini. stacking aisle specifications							
MQC35~MQC40							
Pallet Cross Fork (L)		Pallet Along Fork (W)					
	mm	1000	1200	1400	1600	1800	2000
	5000	2800	2800	3000	3200	3400	3600
	6000	2900	2900	3100	3300	3500	3700
	7000	3000	3000	3200	3400	3600	3800
	8000	3100	3100	3300	3500	3700	3900
	9000	3200	3200	3400	3600	3800	4000
	10000	3300	3300	3500	3700	3900	4100
	11000	3400	3400	3600	3800	4000	4200
	12000	3500	3500	3700	3900	4100	4300
	13000	3600	3600	3800	4000	4200	4400
	14000	3700	3700	3900	4100	4300	4500
	15000	3800	3800	4000	4200	4400	4600

- Note:
- 1.The table data indicates the minimum stacking aisle width, which is the clear aisle between two shelves.
2.The width of the asile needs to be calculated separately if to rotate in the asile.

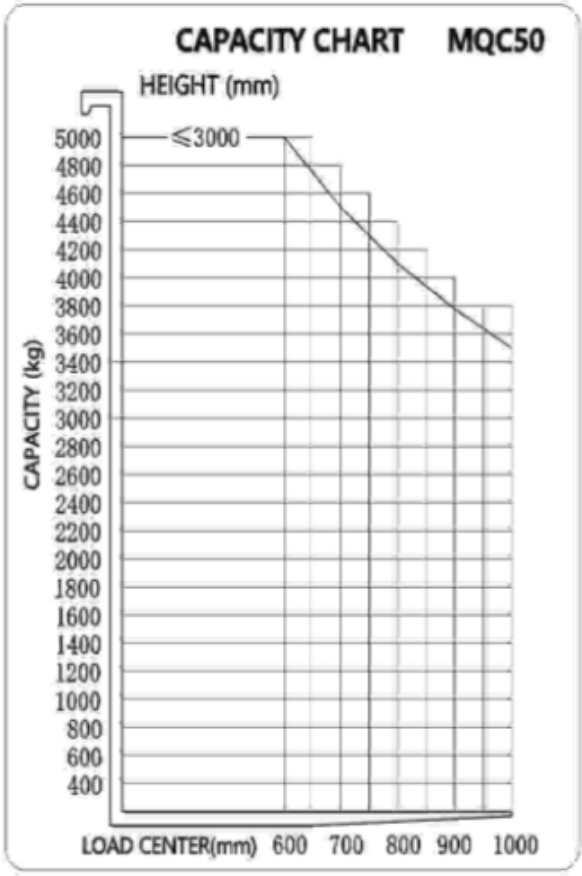
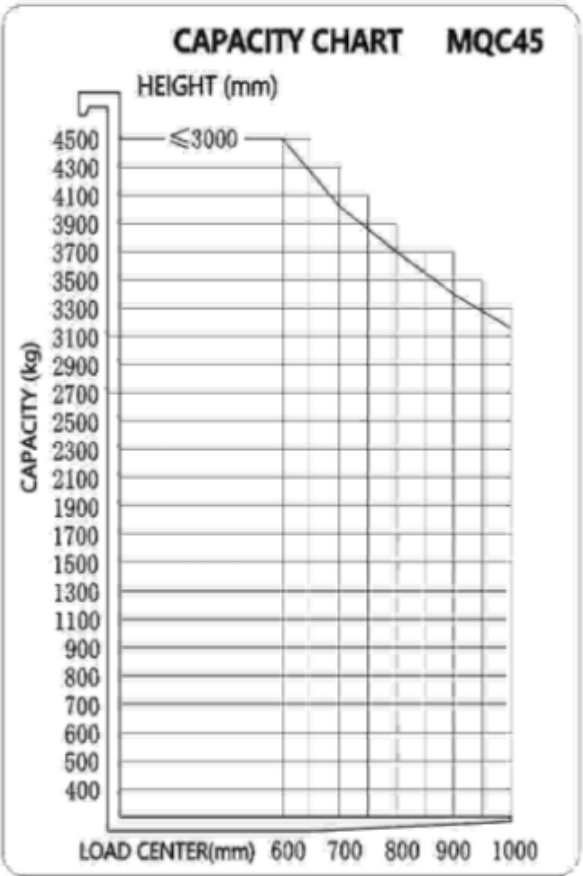
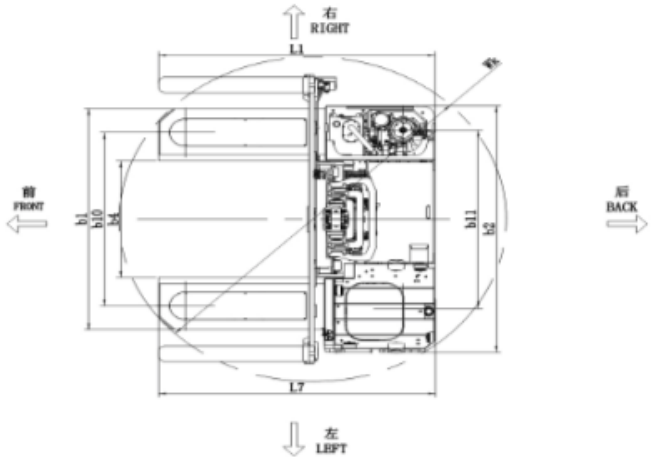
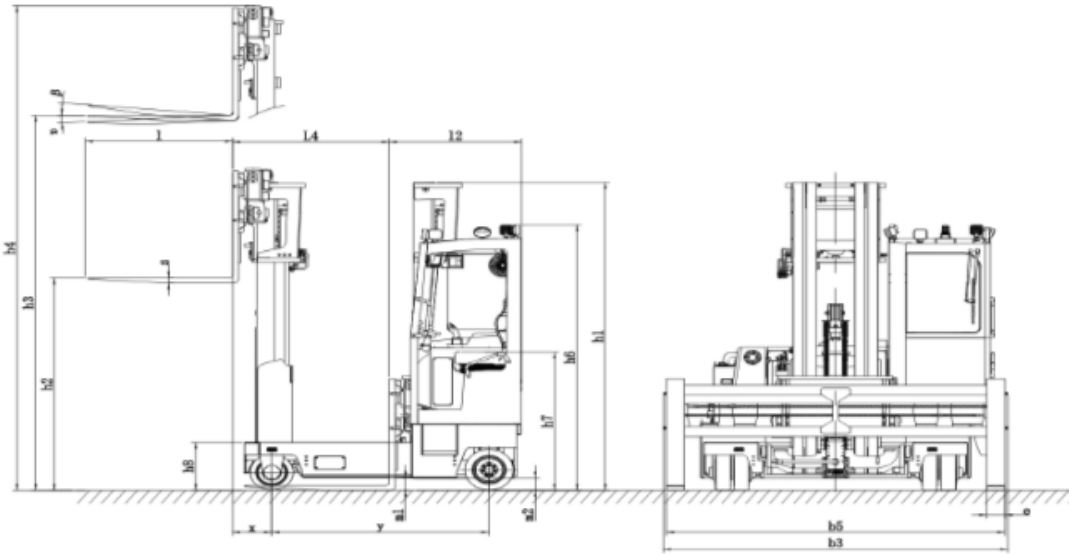
Mast & Servivce Weight Specifications						MQC35~MQC40	
Mast type	Mast model	Lift height	Mast retracted height	Mast extended height	Free lift height	Service Weighrt	Fork tilt angle
		mm				±3% kg	(°)
	Model▶MQC35/MQC40					MQC35/40	Standard
Triplex Full Free Mast	80T	8000	3811	9135	2726	6820	2/4
	75T	7500	3544	8635	2459	6690	2/4
	70T	7000	3377	8135	2292	6630	2/4
	65T	6500	3210	7635	2125	6570	2/4
	60T	6000	3043	7135	1958	6370	2/4
	55T	5500	2876	6635	1791	6330	2/4
	50T	5000	2709	6135	1624	6260	2/4
	45T	4500	2542	5635	1457	6180	2/4

Note:

Service Weight is for refereence only (the service weight without mast is 4050 kg)

MQC 45/50

Characteristics	1.1	Manufacturer		MIMA	MIMA
	1.2	Model		MQC45	MQC50
		Model code		MQC45	MQC50
	1.3	Power Type		Battery	Battery
	1.4	Operation type		Seated	Seated
	1.5	Load capacity	Q(kg)	4500	5000
	1.6	Load center	C(mm)	600	600
	1.8	Front overhang	x(mm)	330	330
	1.9	Wheelbase	y(mm)	1800	1800
Wheels	3.1	Tyre type,front/rear		Solid rubber	Solid rubber/Polyurethane
	3.2	Tyre size, front	in/mm	15×5-11.25/φ381×127	φ380×127
	3.3	Tyre size, rear	in/mm	18×9-12.125/φ457×229	18×9-12.125/φ457×229
	3.5	Wheels,number front/rear (X=driven)		4 / 2X	4 / 2X
	3.6	Track width, front	φ10(mm)	1964	1964
	3.7	Track width, rear	φ11(mm)	2050	2050
	Dimensions	4.1	Fork tilt,front/rear	α/β(°)	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)	2680/2550	2680/2550
4.8		Seat height	h7(mm)	1375	1375
4.10		Support legs height	h8(mm)	500	500
4.19		Overall length(without guide wheel)	l1(mm)	2300	2300
4.20		Length to face of forks	l2(mm)	1100	1100
4.21		Overall width	l/b2(mm)	2440/2710	2440/2710
4.22		Fork dimensions	√e/l(mm)	50/150/1200	50/150/1200
4.24		Fork carriage width	b3(mm)	2960	2960
4.25		Fork outside spread	b5(mm)	2900 ~ 560	2900 ~ 560
4.26		Support legs inner width	b4(mm)	1340	1340
4.28		Reach distance	l4(mm)	1300	1300
4.31		Ground clearance(laden , under mast)	m1(mm)	145	145
4.32		Ground clearance(laden , wheelbase center)	m2(mm)	150	150
4.34		Aisle width	Ast(mm)	Refer to the aisle width specification	Refer to the aisle width specification
4.37		Body to support arms length	l7(mm)	2300	2300
		Unladen in-situ rotation diameter	Wk(mm)	3400	3400
Performance	5.1	Straight travelling speed, laden/unladen	km/h	7	7
		Sideways travelling speed, laden/unladen	km/h	8	8
	5.2	Lifting speed, laden/unladen	mm/s	210/330	210/330
	5.3	Lowering speed, laden/unladen	mm/s	305/230	305/230
	5.8	Sideways driving gradeability, laden/unladen	%	8/10	8/10
		Straight driving gradeability, laden/unladen	%	8/10	8/10
	5.10	Service brake		Electromagnetic	Electromagnetic
		Parking brake		Electromagnetic	Electromagnetic
Drive	6.1	Drive motor, rating S2=60	kw	AC7	AC7
	6.2	Lift motor, rating S3=15%	kw	AC25.4	AC25.4
	6.4	Lead acid battery voltage/nominal capacity K:	V/Ah	80/500	80/500
	6.5	Battery Weight	kg	1342	1342
		Lithium battery(600AH) voltage/capacity/wei	V/Ah/kg	80/600/450	80/600/450
		Lithium battery(460AH) voltage/capacity/wei	V/Ah/kg	80/460/365	80/460/365
		Note: 1.The driving speed, lifting and lowering speed, climbing ability and other parameters noted in the above sheet are for th			
		2.Standard model data, will vary according to different configurations			



Load Parameter Sheet MQC45

Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
Triplex Full Free Mast	C(mm)►@		600	700	800	900	1000
	80T	8000	2100	1800	1575	1400	1260
	75T	7500	2400	2060	1800	1600	1440
	70T	7000	2700	2310	2025	1800	1620
	65T	6500	3000	2570	2250	2000	1800
	60T	6000	3300	2830	2475	2200	1980
	55T	5500	3500	3000	2625	2330	2100
	50T	5000	3700	3170	2775	2470	2220
	45T	4500	3900	3340	2925	2600	2340
	40T[2]	4000	4100	3510	3075	2733	2460
	33T[2]	3300	4500	3860	3375	3000	2700

Note:

1.The comprehensive load capacity of other attachments needs to be calculated;

2.Lifting height of 3300mm and 4000mm are only load-free height parameters, and the actual standard configuration does not have a mast with this height.

Load Parameter Sheet MQC50

Mast type	Mast model	Lift height	Load capacity				
		mm	kg				
Triplex Full Free Mast	C(mm)►@		600	700	800	900	1000
	80T	8000	2400	2060	1800	1600	1440
	75T	7500	2700	2310	2025	1800	1620
	70T	7000	3000	2570	2250	2000	1800
	65T	6500	3300	2830	2475	2200	1980
	60T	6000	3600	3090	2700	2400	2160
	55T	5500	3800	3260	2850	2530	2280
	50T	5000	4000	3430	3000	2670	2400
	45T	4500	4200	3600	3150	2800	2520
	40T[2]	4000	4400	3770	3300	2930	2640
	33T[2]	3300	5000	4290	3750	3330	3000

Note:

1.The comprehensive load capacity of other attachments needs to be calculated;

2.Lifting heights of 3300mm and 4000mm are only load-free height parameters, and the actual standard configuration does not have a mast with this height.;

Mast & Service Weight Specifications MQC45~MQC50

Mast type	Mast model	Lift height	Mast retracted height	Mast extended height	Free lift height	Service Weight	Fork tilt angle
		mm				±3% kg	(°)
	Model►MQC45/MQC50					MQC45/50	Standard
Triplex Full Free Mast	80T	8000	3832	9135	2678	8180	2/4
	75T	7500	3565	8635	2410	8100	2/4
	70T	7000	3398	8135	2244	8040	2/4
	65T	6500	3232	7635	2078	7950	2/4
	60T	6000	3100	7135	1945	7900	2/4
	55T	5500	2935	6635	1780	7820	2/4
	50T	5000	2720	6135	1565	7760	2/4
	45T	4500	2550	5635	1395	7640	2/4

Note: Service Weight is for reference only (the service weight without mast is 5200 kg)

Min. stacking aisle specifications

MQC45~MQC50							
Pallet Cross Fork (L)	Pallet Along Fork (W)						
	mm	1000	1200	1400	1600	1800	2000
	5000	2800	2800	3000	3200	3400	3600
	6000	2900	2900	3100	3300	3500	3700
	7000	3000	3000	3200	3400	3600	3800
	8000	3100	3100	3300	3500	3700	3900
	9000	3200	3200	3400	3600	3800	4000
	10000	3300	3300	3500	3700	3900	4100
	11000	3400	3400	3600	3800	4000	4200
	12000	3500	3500	3700	3900	4100	4300
	13000	3600	3600	3800	4000	4200	4400
	14000	3700	3700	3900	4100	4300	4500
	15000	3800	3800	4000	4200	4400	4600