

V202601-EN

MiMA[®]
Min Space, Max Performance

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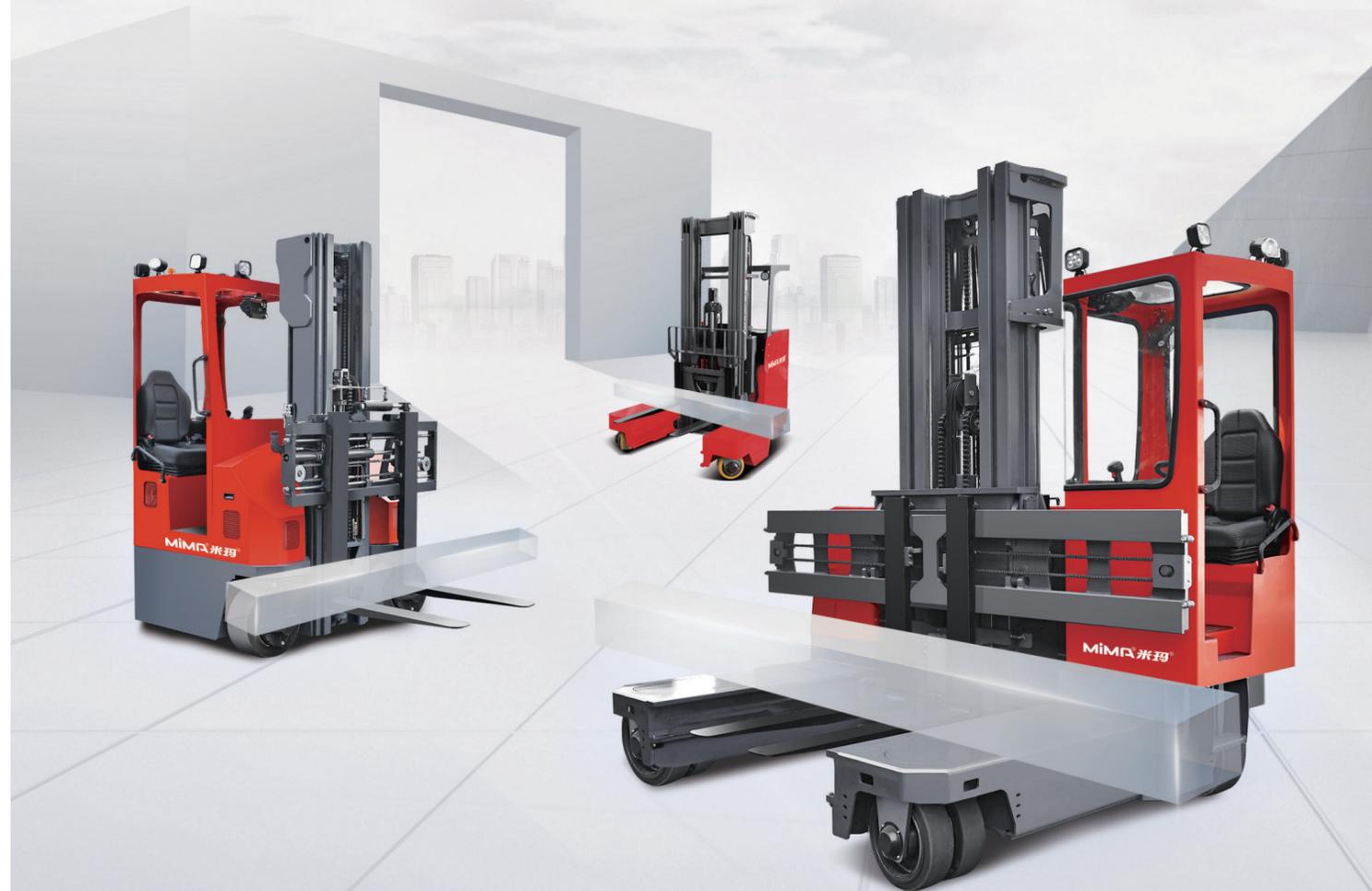
MiMA[®]
Min. Space Max. Performance

BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO.,LTD.

Since 1994

Multi-directional Forklift

Long Material Handling & High Density Storage Solution



www.mimaforklift.com | 9



FORKS

MiMA provide multiple specifications of forks, including standard fork, fork positioner, four-fork attachment, customized ultra-wide fork carriage to adapt to different lengths of materials. Longer materials require wider forks to ensure the safety movement of goods.



TIRES

We provide two options: polyurethane tires and solid rubber tires to meet various working conditions including smooth roads, rough terrain, indoor and outdoor environments. This enhances vehicle safety and driver comfort.

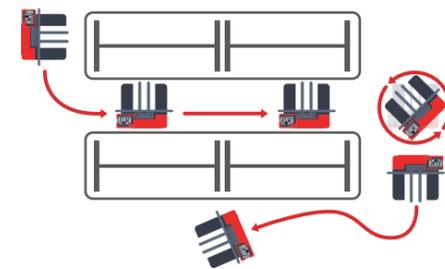
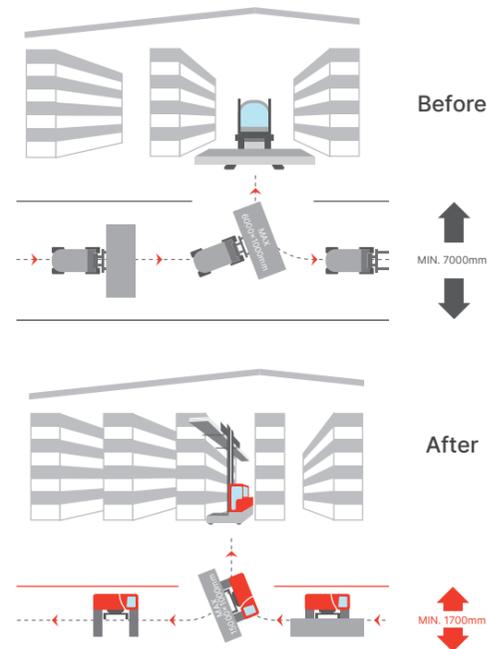


MULTI-DIRECTIONAL DRIVING MODES

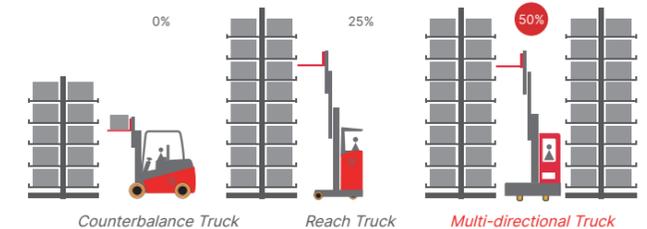
In sideways driving mode, the forklift can rapidly transport long materials through narrow aisles and door frames. In straight driving mode, it can carry long materials for rapid transportation. The 360 degree rotation and multiple driving modes make forklift steering more flexibly.

Multi-directional Forklifts and Multi-directional Counterbalance Forklift, with rated loads ranging from 1.5 to 5.0 tons and materials length up to 15 meters. These forklifts are widely used in various working conditions for handling and stacking materials, such as timber, aluminum, steel, window glasses, plastics, and textiles.

- Narrow Aisle Widths Reduced to 2.5m
- Maximum Lift Height up to 8.5m
- Increase Storage Capacity by 150%
- Straight, Sideways, Diagonal Driving Modes and in-situ Rotation
- Options: fork positioner, four-fork attachment, ultra-wide fork carriage



Multi-directional Driving Mode



Increase Storage Capacity

MQ25

Multi-directional Forklift (Stand-on)(2.5tons)

MQ series forklift is a multi-directional driving forklift suitable for narrow aisle stacking and long materials handling. Compared to traditional reach trucks, it features multiple driving modes including straight, sideways, diagonal driving, right-angle and in-situ rotation. Its diagonal driving capability makes it more suitable for handling long, narrow items such as metal profiles, rebar, and sheet materials. With multi-directional movement and EPS system, it is ideal for narrow aisle stacking operations.



Type	MQ2530
Rated capacity (kg)	2500
Load center (mm)	500
Max. Lifting height (mm)	8000
Service Weight (incl. Battery)	3830~4480
Overall length(incl. Fork length) (mm)	2250
Overall max. width (mm)	1595
Travelling speed, laden/unladen (km/h)	8
Lifting speed, laden/unladen (mm/s)	240/320
Battery voltage/nominal capacity (V/Ah)	48/400

MQC25

Multi-directional Forklift (Seated)(2.5tons)

MQC25 multi-directional reach truck, with a rated loads of 2.5 tons. The mast can move forward or retract entirely, equipped with wide fork positioner. It features independent control of four-wheel steering, allowing straight, sideways, diagonal driving and in-situ rotation. Its aisle width is narrower when moving sideways, making it perfectly suitable for handling long materials. Applied work conditions: ideal for stacking in narrow aisles and handling long or bulky materials.



Type	MQC25
Rated capacity (kg)	2500
Load center (mm)	600
Max. Lifting height (mm)	8000
Service Weight (incl. Battery)	5265~5570
Overall length(Without guide wheel) (mm)	2300
Overall max. width (mm)	2160
Travelling speed, laden/unladen (km/h)	6.0~7.0
Lifting speed, laden/unladen (mm/s)	200/300
Battery voltage/nominal capacity (V/Ah)	48/500

①: Standard model data, specifications may vary depending on configuration.

1MQ30

Multi-directional Forklift (Stand-on)(3tons)

MQ30 multi-directional reach truck, with a rated loads of 3.0 tons, capable of multi-directional movements: straight, sideways, diagonal driving, right-angle and in-situ rotation, suitable for handling and stacking long materials in narrow aisle.



Type	MQ30
Rated capacity (kg)	3000
Load center (mm)	600
Max. Lifting height (mm)	8000
Service Weight (incl. Battery)kg	5439~5856
Overall length(Without guide wheel)(mm)	2000
Overall width (mm)	2280/2860
Side travel speed, laden/unladen (km/h)	6.0~7.0
Lifting speed, laden/unladen (mm/s)	220/300
Battery voltage/nominal capacity (V/Ah)	48/300

①: Standard model data, specifications may vary depending on configuration. Note: This technical specifications list only partial parameters. For detailed specifications, please consult a professional sales engineer.

1MQC30

Multi-directional Forklift (Seated)(3tons)

The MQC30 series is a upgraded multi-directional reach truck, with a load capacity of 3.0 tons. Its mast can tilt forward or retract entirely, equipped with an extra-wide fork positioner. It features four-wheel independent steering, allowing straight, sideways, diagonal movement, and in-situ rotation. When moving sideways, it requires a smaller aisle, making it particularly suitable for handling long materials in narrow aisles.



Type	MQC30
Rated capacity (kg)	3000
Load center (mm)	600
Max. Lifting height (mm)	8500
Battery Weight	800
Overall length (mm)	2250
Overall width (mm)	1910/2400
Travelling speed, laden/unladen (km/h)	7/8
Lifting speed, laden/unladen (mm/s)	250/300
Battery voltage/nominal capacity (V/Ah)	48/500

①: Standard model data, specifications may vary depending on configuration.

MQC40/50

Multi-directional Forklift (Seated)(4-5tons)

MQC40/50 multi-directional reach truck, with a rated loads of 4.0-5.0 tons. The mast can move forward or retract entirely, equipped with wide fork positioner. It features independent control of four-wheel steering, allowing straight, sideways, diagonal driving and pivot turns. Its aisle width is narrower when moving sideways, making it perfectly suitable for handling long materials. Applied work conditions: stacking in narrow aisle, and long and bulk materials stacking.



Type	MQC40	MQC50
Rated capacity (kg)	4000	5000
Load center (mm)	600	
Max. Lifting height (mm)	8000	8000
Service Weight (incl. Battery)	6180~6820	7640~8180
Overall length(Without guide wheel) (mm)	2300	
Overall max. width (mm)	2435	2710
Travel speed, laden/unladen (km/h)	7.0~8.0	7.0
Lifting speed, laden/unladen (mm/s)	160/270	210/370
Battery voltage/nominal capacity (V/Ah)	48/560	80/500

①: Standard model data, specifications may vary depending on configuration. Note: This technical specifications list only partial parameters. For detailed specifications, please consult a professional sales engineer.

MQK30

Multi-directional Counterbalance Forklift(3tons)

MQK30 multi-directional counterbalance forklift, with a rated loads of 3.0 tons. The mast can tilt and is equipped with fork positioner and side-shifter forks. It features dual front-wheel driving with three-point support, and three-wheel independent steering, allowing for straight, sideways, diagonal driving and pivot turns with high flexibility. Its aisle width is narrower when moving sideways and straight, making it perfectly suitable for stacking long materials in narrow aisles. Compared with ordinary counterbalanced forklifts, the stacking aisle width reduced, and it has side travel mode and high flexibility; Compared with the reach truck, the stacking efficiency is improved, and there is no need to move the fork forward for stacking in the roadway.



Type	MQK30
Rated capacity (kg)	3000
Load center (mm)	500
Max. Lifting height (mm)	8000
Service Weight (incl. Battery)	7380~8020
Overall length(mm)	2520
Overall max. width (mm)	1640
Side travel speed, laden/unladen (km/h)	9.0-10.0
Lifting speed, laden/unladen (mm/s)	220/350
Battery voltage/nominal capacity (V/Ah)	48/880

Note: This technical specifications list only partial parameters. For detailed specifications, please consult a professional sales engineer.

MQZ25/30

Multi-directional Forklift (Seated)(2.5-3tons)

The MQZ series is a seated multi-directional reach truck, with a rated loads of 2.5/3.0 tons, featuring three-wheel independent steering, narrow body, reduced turning radius, and higher efficiency. Applied work conditions: medium-density storage and high turnover rate conditions, stacking long materials in narrow aisle.



Type	MQZ25M	MQZ30M
Rated capacity (kg)	2500	3000
Load center (mm)	500	
Max. Lifting height (mm)	10500	
Service Weight (incl. Battery)	4712~5511	4737~5536
Overall length(mm)	2583	2583
Overall width(mm)	1770/1270	
Travelling speed, laden/unladen (km/h)	10.0	
Lifting speed, laden/unladen (mm/s)	230/370	230/370
Battery voltage/nominal capacity (V/Ah)	48/700	

1MQK30/1MQK40

Multi-directional Counterbalance Forklift(Seated)(3-4tons)

The MQK40 counterbalanced forklift has a lifting capacity of 4 tons and features an inclinable mast. It is equipped with adjustable forks, three-point drive, and independent control of three wheels for steering, enabling straight, side, diagonal movement, and tight turns. This forklift offers high maneuverability with a compact aisle width for both side and straight movements. The aisle for stacking long materials is also minimized, and the aisle width for right-angle stacking of standard materials is significantly reduced compared to conventional counterbalanced forklifts, it is a forklift with excellent overall performance.

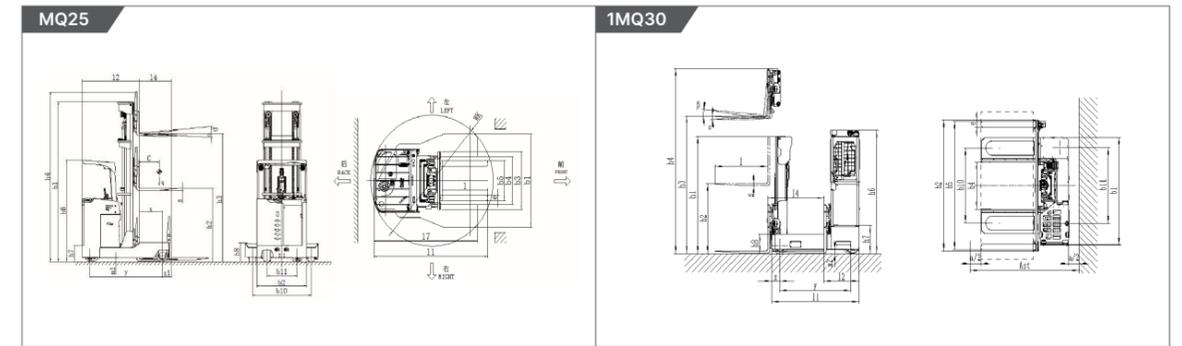


Type	1MQK30	1MQK40
Rated capacity (kg)	3000	4000
Load center (mm)	500	600
Max. Lifting height (mm)	8000	7500
Service Weight (incl. Battery)	6750~7120	8055~8420
Overall length(mm)	2560	3073
Overall max. width (mm)	1540	1650
Travelling speed, laden/unladen (km/h)	9~10	10~12
Lifting speed, laden/unladen (mm/s)	230/350	250/360
Lowering speed, laden/unladen	270/260	280/260
Battery voltage/nominal capacity (V/Ah)	48/900	80/600

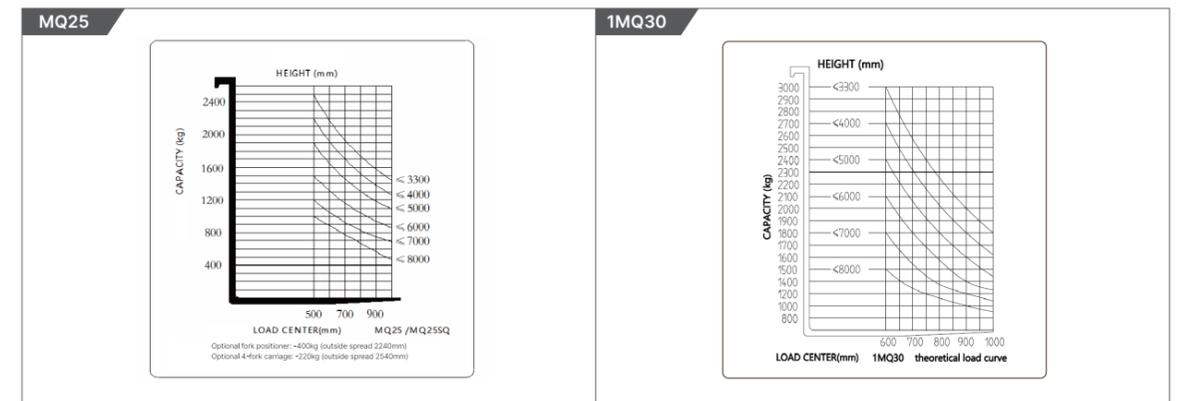
MQ25/1MQ30 SPECIFICATION

Characteristics				
Brand		MIMA	MIMA	MiMA
Model		MQ	MQ	1MQ
Vehicle Code		MQ25	MQ25SQ	1MQ30
Power type		Battery	Battery	Battery
Operation		Stand on	Stand on	Stand on
Load capacity	Q (t)	2.5	2.5	3000
Load center distance	C(mm)	500	500	600
Front axle to fork vertical plane distance	x(mm)	608	558	285(Fork forward in place)
Wheelbase	y(mm)	1700	1700	1625
Front overhang	x1(mm)	175	175	/
Wheels				
Tyre type		Polyurethane	Polyurethane	Solid rubber/Polyurethane (front/rear)
Tyre size, front		φ267×114	φ267×114	φ330×145
Tyre size, rear		φ380×165	φ380×165	φ204×76/ 381×203×285.8SM
Balance wheel		φ204×76	φ204×76	/
Wheels, number front/rear (X=driven)		2/1x+2	2/1x+2	2/2/1X
Track width, front	b10(mm)	1304	1304	1632
Track width, rear	b11(mm)	726	726	1660
Dimensions				
Fork tilt angle front/rear	α/β(°)	2/5	2/5	2/5
Mast retracted height	h1 (mm)	refer to the mast specification	refer to the mast specification	refer to the mast specification
Free Lift height	h2 (mm)	80	refer to the mast specification	refer to the mast specification
Lift height	h3 (mm)	refer to the mast specification	refer to the mast specification	refer to the mast specification
Mast extended height	h4 (mm)	refer to the mast specification	refer to the mast specification	refer to the mast specification
Overhead guard height	h6 (mm)	2300	2300	2700/2500(With lights/without lights)
Pedal height	h7 (mm)	350	350	620
Support arms height	h8 (mm)	405	405	420
Overall length	l1 (mm)	2250	2300	2000
Length to fork face	l2 (mm)	1330	1380	800
Overall width	b1/b2(mm)	1595/1190	1595/1190	2280/2860
Fork dimensions	l/e/s(mm)	40/122/920	40/122/920	1200/125/50
Backrest width	b3 (mm)	1088	1088	2860
Fork outside spread	b5 (mm)	772~292	772~292	2800-560
Support arms inner width	b4 (mm)	892	892	1000
Reach distance	l4 (mm)	783	733	1300
Ground clearance below mast, laden	m1 (mm)	80	80	75
Aisle width	Ast (mm)	Refer to the aisle width specification	Refer to the aisle width specification	Refer to the aisle width specification
Unladen in-situ rotation diameter	Wk (mm)	2420	2420	Refer to the aisle width specification
Performance				
Travelling speed, laden/unladen	km/h	8	8	6.0~7.0
Lift speed, laden/unladen	mm/s	240/320	220/300	220/300
Lowering speed, laden/unladen	mm/s	340/290	310/260	300/220
Reach distance, laden/unladen	mm/s	160	160	6/8
Straight driving gradeability, laden/unladen	%(tanθ)	10	10	/
Straight driving gradeability, laden/unladen	%(tanθ)	5	5	/
Service brake		Electromagnetic	Electromagnetic	Electromagnetic
Parking brake		Electromagnetic	Electromagnetic	Electromagnetic
Drive				
Drive motor, rating S2=60	kw	5.5 AC	5.5 AC	8AC
Lift motor, rating S3=15%	kw	8.6 AC	8.6 AC	12.5AC
Battery voltage/nominal capacity K5	V/Ah	48/400	48/400	48/300 (Lithium battery)
Battery weight	V/Ah	640	640	175
Lithium Battery voltage/nominal capacity	V/Ah	48/300	48/300	48/460/222
Lithium battery weight(optional)	kg	/	/	/
Others				
Video display		Customized camera	Customized camera	Customized camera
Fork positioner		Customized	Customized	Customized
Ultra wide fork carriage and four forks		Customized	Customized	Customized

2D VIEW



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MAST SPECIFICATION(MQ25)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height (with standard load backrest)	Service Weight (incl.battery)
		mm				±3% kg
		Model > MQ25				
Duplex mast	45	4500	2882	5460	80	3980
	40	4000	2632	4960	80	3930
	35	3500	2332	4460	80	3880
	30	3000	2082	3960	80	3830
Triplex full free mast	80SQ	8000	3559	8960	2586	4480
	75SQ	7500	3292	8460	2320	4410
	72SQ	7200	3192	8160	2220	4340
	70SQ	7000	3125	7960	2154	4270
	65SQ	6500	2959	7460	1986	4200
	60SQ	6000	2792	6960	1654	4130
	55SQ	5500	2625	5960	1654	4060
	50SQ	5000	2459	5960	1486	3990
45SQ	4500	2292	5460	1320	3920	

Note [1]: Includes free lift height with load backrest. For the three-stage full free mast without a load backrest, the free lift height increases by 230mm. For customized specifications, please contact us. Note [2]: The vehicle weight data is for reference only (excluding the mast, the vehicle body weight is 2750kg).

MAST SPECIFICATION(1MQ30)

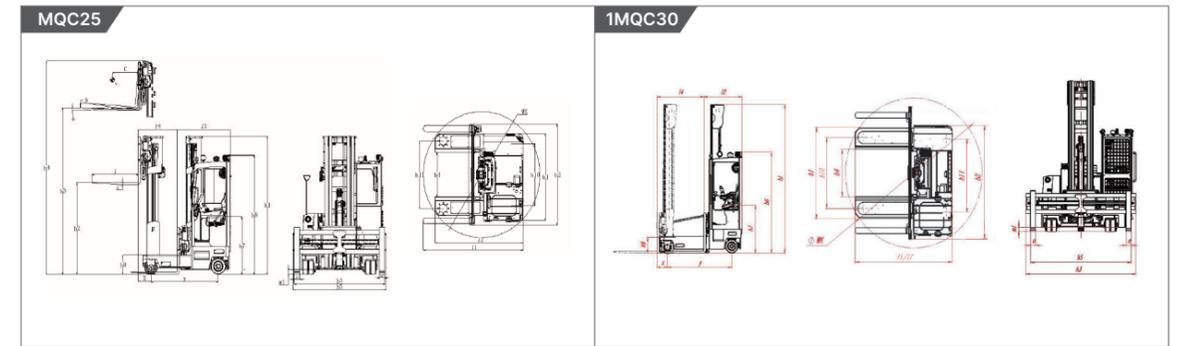
Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (without battery)	Mast tilt angle
						±3% kg	(°)
Triplex full free mast	80T	8000	3885	9050	2800	5856	2/4
	75T	7500	3780	8550	2675	5727	2/4
	70T	7000	3567	8050	2480	5676	2/4
	65T	6500	3320	7550	2235	5655	2/4
	60T	6000	3150	7050	2065	5620	2/4
	55T	5500	2990	6550	1905	5551	2/4
	50T	5000	2820	6050	1735	5478	2/4
	46T	4600	2555	5650	1470	5439	2/4

Note [1]: The above mast series are equipped with adjustable forks as standard; [2]: The free lifting height is the lifting height when it does not protrude from the mast. [3]: The above mast series are equipped with a single follow-up camera and screen display as standard; [4]: The vehicle body weight is approximately 3800kg;

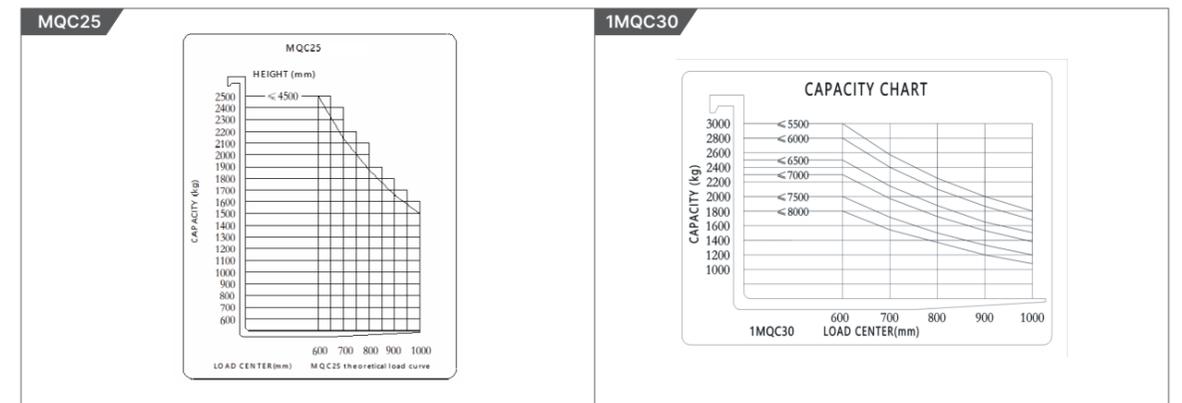
MQC25/1MQC30 SPECIFICATION

Characteristics			
Manufacturer		MIMA	MIMA
Model		MQC	MQC
Model code		MQC25	MQC30
Power Type		Battery	Battery
Operation type		Seated	Seated
Load capacity	Q (t)	2.5	3000
Load center	C(mm)	600	600
Front overhang	x(mm)	630	290
Wheelbase	y(mm)	1560	1790
Front overhang	x1(mm)	270	/
Wheels			
Tyre type, front/rear		Solid rubber	Solid rubber
Tyre size, front	mm	12×4.5×8	12×4.5-8
Tyre size, rear	mm	13.5×5.5-8	13.5×5.5-8
Wheels, number front/rear (X=driven)		4 / 2X	4 / 2X
Track width, front	b10(mm)	1442	1500
Track width, rear	b11(mm)	1320	1580
Dimensions			
Fork tilt, front/rear	α/β(°)	2/4	2/5.5
Mast retracted height	h1 (mm)	Refer to the mast specification	Refer to the mast specification
Free lift height	h2 (mm)	Refer to the mast specification	Refer to the mast specification
Lift height	h3 (mm)	Refer to the mast specification	Refer to the mast specification
Mast extended height	h4 (mm)	Refer to the mast specification	Refer to the mast specification
Cabin height (with/without light)	h6 (mm)	2550/2430	2610/2430
Seat height	h7(mm)	1235	1275
Support legs height	h8(mm)	410	410
Overall length(without guide wheel)	l1 (mm)	2300	2250
Length to face of forks	l2 (mm)	1230	1050
Overall width	b1/b2(mm)	1850/2160	1910/2400
Fork dimensions	s/e/l(mm)	45/125/1070	45/125/1200
Fork carriage width	b3 (mm)	2160	280
Fork outside spread	b5 (mm)	2100~550	2560~560
Support legs inner width	b4 (mm)	950	1000
Reach distance	l4 (mm)	900	1300
Min. ground clearance	m1 (mm)	100	100
Aisle width	Ast (mm)	Refer to the aisle width specification	Refer to the aisle width specification
Unladen in-situ rotation diameter	Wk (mm)	2660	3200
Body to support arms length	l7 (mm)	2030	2250
Performance			
Sideways travelling speed, laden/unladen	km/h	8/9	7/8
Straight travelling speed, laden/unladen	km/h	6/7	250/300
Lifting speed, laden/unladen	mm/s	200/300	300/250
Lowering speed, laden/unladen	mm/s	300/220	/
Reaching speed, laden/unladen	mm/s	/	/
Sideways driving gradeability, laden/unladen	%(tanθ)	8/10	10/10
Straight driving gradeability, laden/unladen	%(tanθ)	8/10	10/10
Service brake		Electromagnetic	Regenerative + Electromagnetic
Parking brake		Electromagnetic	Electromagnetic
Drive			
Drive motor, rating S2=60	kw	6.5 AC	AC6.5
Lift motor, rating S3=15%	kw	12.5 AC	AC14
Lead acid battery voltage/nominal capacity K5	V/Ah	48/500	48/500
Battery Weight	V/Ah	810	800
Lithium battery voltage/nominal capacity (Option)	V/Ah	48/460	48/600
Lithium battery weight(Option)	kg	162	320
Others			
Battery replacement method		Hoisting	

2D VIEW



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MAST SPECIFICATION(MQC25)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (without battery)
			mm			kg
			Model > MQC25			
Triplex full free mast	80SQ	8000	3740	9040	2680	5570
	75SQ	7500	3470	8540	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
	45SQ	4500	2640	6040	1580	5305
						5265

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

MAST SPECIFICATION(1MQC30)

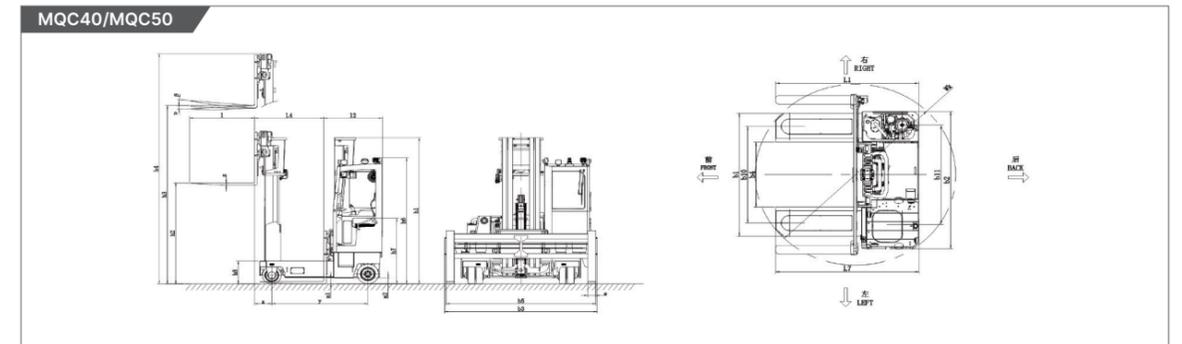
Triplex Full Free Mast										
Model	1QC30MT	1QC30M45T	1QC30M50T	1QC30M55T	1QC30M60T	1QC30M65T	1QC30M70T	1QC30M75T	1QC30M80T	1QC30M85T
Lifting height		4500	5000	5500	6000	6500	7000	7500	8000	8500
Mast extended height	h4(mm)	5510	6010	6510	7010	7510	8010	8510	9010	9510
Mast closed height	h1(mm)	2552	2719	2885	3052	3219	3479	3645	3812	3979
Full free lift	h2(mm)	1513	1680	1846	2013	2180	2440	2606	2773	2940
Mast weight	M (Kg)	1895	1940	1995	2045	2100	2195	2250	2300	2355
Vehicle weight (with standard Battery)	M±3% (Kg)	5515	5560	5615	5665	5720	5815	5870	5920	5975

Note[1]: The above mast series is standard with adjustable fork positioner. [2]: The free lift height refers to the lifting height without the mast extending beyond the forklift. [3]: The above mast series is standard with a single follow-up camera and display. [4]: The weight of the body (with the mast removed) is about 3620kg.

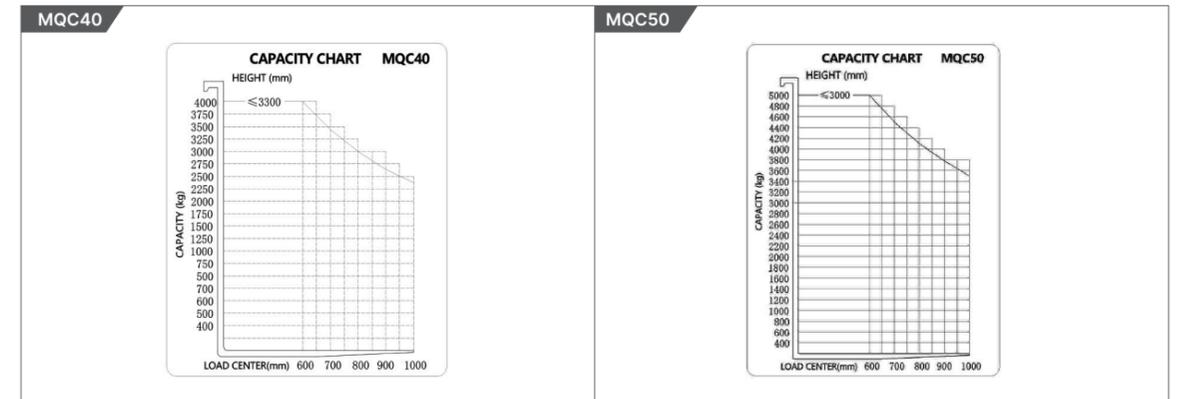
MQC40/MQC50 SPECIFICATION

Characteristics			
Manufacturer		MIMA	MIMA
Model		MQC	MQC
Model code		MQC40	MQC50
Power Type		Battery	Battery
Operation type		Seated	Seated
Load capacity	Q(kg)	4000	5000
Load center	C(mm)	600	600
Front overhang	x(mm)	325	330
Wheelbase	y(mm)	1800	1800
Wheels			
Tyre type, front/rear		Solid rubber	Solid rubber
Tyre size, front	in/mm	14×5-10	15×5-11.25
Tyre size, rear	in/mm	16×7-10.5	18×9-12.125
Wheels, number front/rear (X=driven)		4 / 2X	4 / 2X
Track width, front	b10(mm)	1712	1964
Track width, rear	b11(mm)	1760	2050
Dimensions			
Fork tilt, front/rear	α/β(°)	2/5.5	2/5.5
Mast retracted height	h1(mm)	Refer to the mast specification	Refer to the mast specification
Free lift height	h2(mm)	Refer to the mast specification	Refer to the mast specification
Lift height	h3(mm)	Refer to the mast specification	Refer to the mast specification
Mast extended height	h4(mm)	Refer to the mast specification	Refer to the mast specification
Cabin height (with/without light)	h6(mm)	2674/2547	2680/2550
Seat height	h7(mm)	1365	1375
Support legs height	h8(mm)	475	500
Overall length (without guide wheel)	l1(mm)	2300	2300
Length to face of forks	l2(mm)	1100	1100
Overall width	b1/b2(mm)	2183/2435	2440/2710
Fork dimensions	s/e/l(mm)	50/150/1200	50/150/1200
Fork carriage width	b3(mm)	2860	2960
Fork outside spread	b5(mm)	2800~560	2900~560
Support legs inner width	b4(mm)	1150	1340
Reach distance	l4(mm)	1300	1300
Ground clearance (laden, under mast)	m1(mm)	122	145
Ground clearance (laden, wheelbase center)	m2(mm)	120	150
Aisle width	Ast(mm)	Refer to the aisle width specification	Refer to the aisle width specification
Body to support arms length	l7(mm)	2300	2300
Unladen in-situ rotation diameter	Wk(mm)	3210	3400
Performance			
Straight travelling speed, laden/unladen	km/h	7/8	7
Sideways travelling speed, laden/unladen	km/h	7/8	8
Lifting speed, laden/unladen	mm/s	160/270	270/370
Lowering speed, laden/unladen	mm/s	330/300	330/300
Sideways driving gradeability, laden/unladen	%	8	8/10
Straight driving gradeability, laden/unladen	%	8	8/10
Service brake		Electromagnetic	Electromagnetic
Parking brake		Electromagnetic	Electromagnetic
Drive			
Drive motor, rating S2=60	kw	AC8	AC7
Lift motor, rating S3=15%	kw	AC15	AC25.4
Lead acid battery voltage/nominal capacity K5	V/Ah	48/560	80/500
Battery Weight	kg	910	1342
Lead-acid battery(700AH) voltage/capacity/weight		48/700/1058	/
Lithium battery(600AH) voltage/capacity/weight	V/Ah/kg	48/600/320	80/600/450
Lithium battery(460AH) voltage/capacity/weight	V/Ah/kg	48/460/240	80/460/365

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MAST SPECIFICATION(MQC40)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lift height	Service Weight (Inc battery)	Fork tilt angle front/rear
Triplex full free mast			mm			±3% kg	(°)
			Model > MQC40			MQC40	Standard
	80T	8000	3811	9135	2726	6820	2/6
	75T	7500	3544	8635	2459	6690	2/6
	70T	7000	3377	8135	2292	6630	2/6
	65T	6500	3210	7635	2125	6570	2/6
	60T	6000	3043	7135	1958	6370	2/6
	55T	5500	2876	6635	1791	6330	2/6
	50T	5000	2709	6135	1624	6260	2/6
	45T	4500	2542	5635	1457	6180	2/6

Note: Service Weight is for reference only (the service weight without mast is 4050 kg)

MAST SPECIFICATION(MQC50)

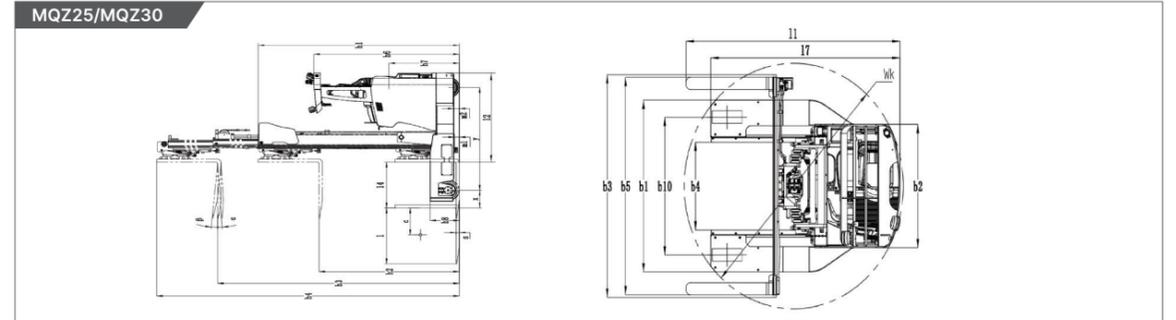
Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lift height	Service Weight (Inc battery)	Fork tilt angle front/rear
Triplex full free mast			mm			±3% kg	(°)
			Model > MQC50			MQC50	Standard
	80T	8000	3832	9135	2678	8180	2/6
	75T	7500	3565	8635	2410	8100	2/6
	70T	7000	3398	8135	2244	8040	2/6
	65T	6500	3232	7635	2078	7950	2/6
	60T	6000	3100	7135	1945	7900	2/6
	55T	5500	2935	6635	1780	7820	2/6
	50T	5000	2720	6135	1565	7760	2/6
	45T	4500	2550	5635	1395	7640	2/6

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

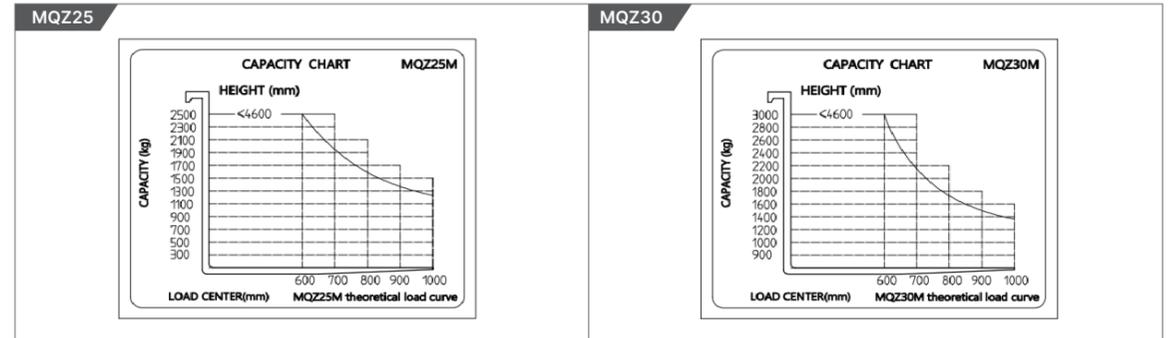
MQZ25/MQZ30 SPECIFICATION

Characteristics			
Brand		MIMA	MIMA
Model		MQZ	MQZ
Vehicle code		MQZ25M	MQZ30M
Power type		Battery	Battery
Operation		Seated	Seated
Load capacity	Q(kg)	2500	3000
Load center distance	C(mm)	500	500
Front overhang	x(mm)	263	263
Wheelbase	y(mm)	1650	1750
Wheels			
Tyre type		Polyurethane	Polyurethane
Tyre size, front		φ343×130	φ343×130
Tyre size, rear		φ343×140	φ343×140
Wheels, number front/rear (X=driven)		2/1X	2/1X
Track width, front	b11(mm)	1420	1420
Dimensions			
Fork tilt angle front/rear	α/β(°)	1/5	1/5
Mast retracted height	h1(mm)	Refer to the mast specification	Refer to the mast specification
Free Lift height	h2(mm)	Refer to the mast specification	Refer to the mast specification
Lift height	h3(mm)	Refer to the mast specification	Refer to the mast specification
Mast extended height	h4(mm)	Refer to the mast specification	Refer to the mast specification
Overhead guard height	h6(mm)	2200	2200
Seat height	h7(mm)	1117	1117
Support arms height	h8(mm)	440	440
Overall length	l1(mm)	2583	2583
Length to fork face	l2(mm)	1513	1513
Overall width	b1/b2(mm)	1770/1270	1770/1270
Fork dimensions	s/e/l(mm)	50/125/1070	50/125/1070
Backrest width	b3(mm)	2300	2300
Fork outside spread	b5(mm)	2240~400	2240~400
Support arms inner width	b4(mm)	906	906
Reach distance	l4(mm)	656	740
Ground clearance below mast, laden	m1(mm)	75	75
Ground clearance below wheelbase, laden	m2(mm)	83	83
Aisle width	Ast(mm)	Refer to the aisle specification	Refer to the aisle specification
Chassis to support leg length	l7(mm)	2083	2183
Unladen in-situ rotation diameter	Wk(mm)	2450	2450
Performance			
Travelling speed, laden/unladen	km/h	10	10
Sideways travelling speed, laden/unladen	km/h	8	8
Lift speed, laden/unladen	mm/s	230/370	230/370
Lowering speed, laden/unladen	mm/s	390/370	390/370
Straight driving gradeability, laden/unladen	%	10	10
Sideways driving gradeability, laden/unladen	%	8	8
Service brake		Electromagnetic	Electromagnetic
Parking brake		Electromagnetic	Electromagnetic
Others			
Drive motor, rating S2=60	kw	AC8	AC8
Lift motor, rating S3=15%	kw	AC14	AC14
Battery voltage/nominal capacity K5	V/Ah	48/700	48/700
Battery weight	kg	1100	1100
600AH Lithium battery voltage/nominal capacity/weight	V/Ah/kg	48/600/320	48/600/320
460AH Lithium battery voltage/nominal capacity/weight	V/Ah/kg	48/460/222	48/460/222

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MAST SPECIFICATION(MQZ25/MQZ30)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (incl. battery)	Fork tilt angle
		mm	mm	mm	mm	±3%kg	(°)
		Model > MQZ25M/MQZ30M				25M 30M	whole series
Triplex full free mast	105T	10500	4570	11419	3601	5420 5445	1/5
	100T	10000	4403	10919	3434	5369 5394	1/5
	95T	9500	4236	10419	3267	5317 5342	1/5
	90T	9000	4070	9919	3101	5266 5291	1/5
	85T	8500	3805	9419	2836	5215 5240	1/5
	80T	8000	3635	8919	2666	5164 5189	1/5
	75T	7500	3470	8419	2501	5112 5137	1/5
	71T	7150	3355	8069	2386	5071 5096	1/5
	70T	7000	3305	7919	2336	5061 5086	1/5
	67T	6750	3220	7669	2251	5030 5055	1/5
	65T	6500	3035	7419	2066	5010 5035	1/5
	63T	6300	2970	7219	2001	4989 5014	1/5
	60T	6000	2870	6919	1901	4958 4983	1/5
	57T	5700	2770	6619	1801	4928 4953	1/5
	54T	5400	2670	6319	1701	4897 4922	1/5
	48T	4800	2470	5719	1501	4835 4860	1/5
	46T	4600	2405	5519	1436	4815 4840	1/5
	43T	4300	2305	5219	1336	4784 4809	1/5
	40T	4000	2205	4919	1236	4753 4778	1/5
	36T	3600	2070	4519	1101	4712 4737	1/5

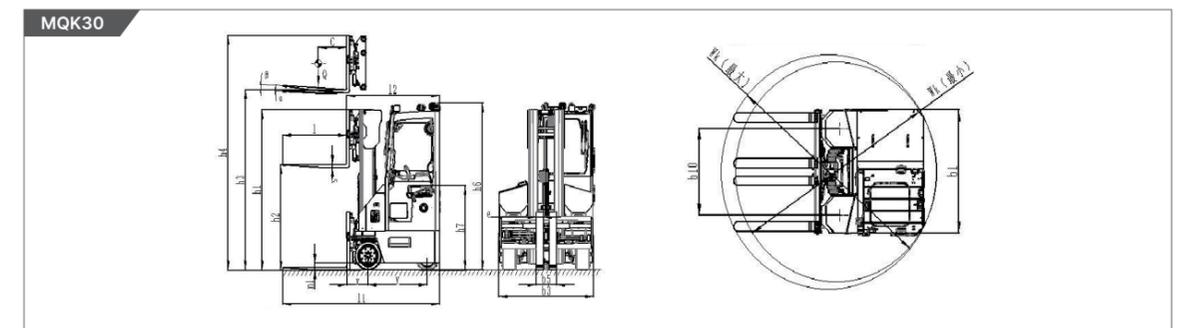
Note: 1. The vehicle weight parameters are for reference only. 2. The weight of the MQZ25M body (after mast removal) is approximately 3175 kg. 3. The weight of the MQZ30M body (after mast removal) is approximately 3200 kg.

Note: 1. The driving speed, lifting and lowering speed, climbing ability, and other parameters listed in the table above are for the standard model with a three-stage mast. 2. The data for the standard models in the series may vary depending on the configuration.

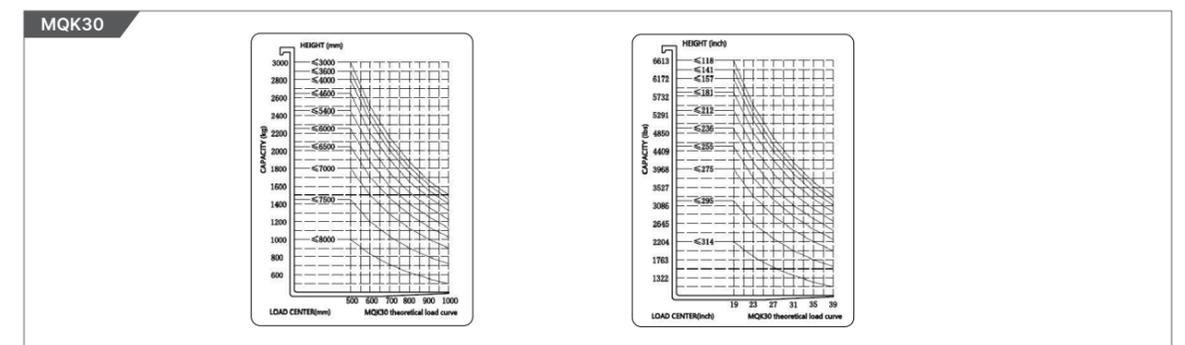
MQK30 SPECIFICATION

Characteristics		
Manufacturer		MIMA
Model		MQK30
Power Type		Battery
Operation type		Seated
Load capacity	Q(kg)	3000
Load center distance	C(mm)	500
Front overhang	x(mm)	367
Wheelbase	y(mm)	1015
Weight		
Service Weight(incl.battery)	kg	Refer to the mast specification
Wheel		
Tyre type		Solid rubber Tyre
Tyre size, front		18×9×12.125/457×229×308
Tyre size, rear		15×6×11.25/φ381×152×285.8
Wheels,number front/rear (X=driven)		2X/2
Track width, front	b10(mm)	1170
Dimensions		
Mast tilt angle,front/rear	α/β(°)	1/3.5
Mast retracted height	h1(mm)	Refer to the mast specification
Free lift height	h2(mm)	Refer to the mast specification
Lift height	h3(mm)	Refer to the mast specification
Mast extended height	h4(mm)	Refer to the mast specification
Overhead guard height (with/without light)	h6(mm)	2650/2515
Seat height	h7(mm)	1372
Overall length	l1(mm)	2520
Length to fork face	l2(mm)	1600
Overall width	b1(mm)	1640
Fork dimensions	l/e/s(mm)	920/125/50
Fork carriage width	b3(mm)	1600
Fork outside spread	b5(mm)	350~1450
Ground clearance(laden, under mast)	m1(mm)	70
Aisle width	mm	Refer to the stacking aisle specification
Mini. stacking asile width (1000×1200 cross fork)	mm	3100
Mini. stacking asile width (800×1200 along fork)	mm	2940
Unladen in-situ rotation diameter (Mini/Max.Fork outside spread)	Wk(mm)	2800/2900
Performance		
Sideways travelling speed, laden/unladen	km/h	7~8
Straight travelling speed, laden/unladen	km/h	9~10
Lifting speed, laden/unladen	mm/s	220/350
Lowering speed, laden/unladen	mm/s	360/260
Max straight driving gradeability, laden/unladen (S2-5min)	%(tanθ)	10/10
Max sideways driving gradeability, laden/unladen (S2-5min)	%(tanθ)	10/10
Service brake		Electromagnetic
Drive		
Drive motor, rating S2=60	kw	AC7
Lift motor, rating S3=15%	kw	AC12.8
Lead acid battery voltage/nominal capacity (Option)	V/Ah	48/880
Lead acid battery weight	kg	1320
Lithium battery voltage/capacity(Standard)	V/Ah	48/600
Lithium battery weight	kg	

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MAST SPECIFICATION(MK30)

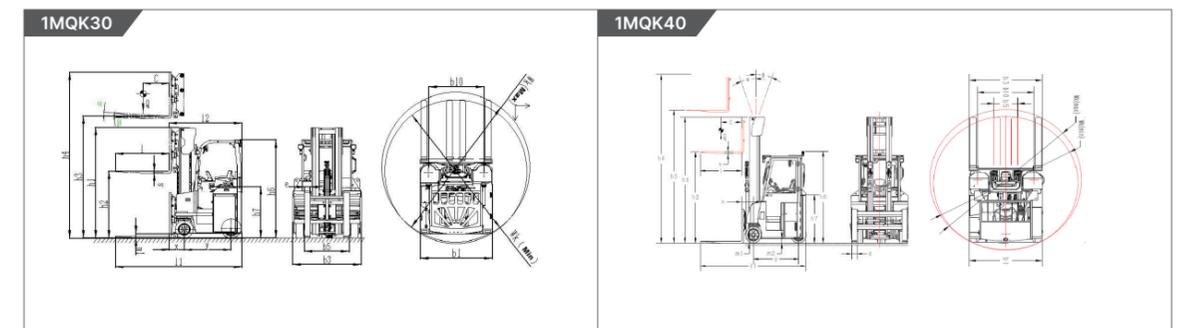
Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (incl.battery)	Mast tilt angle
			mm			kg	(°)
			Model > MQK30				
Triplex full free mast	80SQ	8000	3503	8910	2588	8020	1/3.5
	75SQ	7500	3337	8410	2422	7840	1/3.5
	70SQ	7000	3169	7910	2254	7760	1/3.5
	65SQ	6500	2902	7410	1987	7680	1/3.5
	60SQ	6000	2735	6910	1820	7620	1/3.5
	54SQ	5400	2535	6310	1620	7560	1/3.5
	48SQ	4800	2268	5510	1353	7500	1/3.5
	40SQ	4000	7	4910	1153	7440	1/3.5
	36SQ	3600	1935	4510	1022	7380	1/3.5

Note: Self-weight is for reference only(The forklift weight without mast is 6340kg)

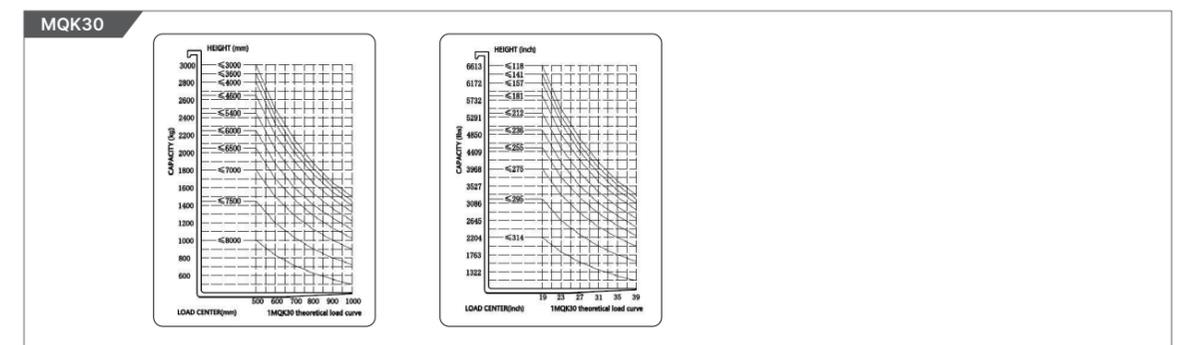
1MQK30/1MQK40 SPECIFICATION

Characteristics			
Manufacturer		MIMA	MIMA
Model		1MQK30	1MQK40
Power type		Battery	Battery
Operation		Seated	Seated
Load capacity	Q(kg)	3000	4000
Load center distance	C(mm)	500	600
Front overhang	x(mm)	346	346
Wheelbase	y(mm)	1055	1320
Weight			
Service Weight(incl.battery)	kg	Refer to the mast specification	
Wheel			
Tyre type		Solid Rubber Tyre	Solid rubber
Tyre size, front		16×7×10.5/406×178×266.7	18×9×12.125/457×229×308
Tyre size, rear		18×9×12.125/457×229×308	18×9×12.125/457×229×308
Wheels, number front/rear (X=driven)		2X/1	2X/1X
Track width, front	b10(mm)	1180	1280
Dimensions			
Mast tilt angle front/rear (standard)	α/β(°)	1/3.5	1/3.5
Mast retracted height	h1(mm)	Refer to the mast specification	Refer to mast parameter and self-weight table
Free lift height (standard)	h2(mm)	Refer to the mast specification	Refer to mast parameter and self-weight table
Lift height	h3(mm)	Refer to the mast specification	Refer to mast parameter and self-weight table
Mast extended height	h4(mm)	Refer to the mast specification	Refer to mast parameter and self-weight table
Overhead guard height	h6(mm)	2250	2400/2535
Seat SIP point ground clearance	h7(mm)	1230	1333
Overall length	l1(mm)	2560	3073
Length to fork face	l2(mm)	1640	1873
Overall width	b1(mm)	1540	1650
Fork dimensions	l/e/s(mm)	920/125/45	1200/150/50
Fork carriage width	b3(mm)	1540	1650
Fork outside spread (min~max)	b5(mm)	400~1400	550~1630
Ground clearance (laden, center of mast)	m1(mm)	80	110
Aisle width	mm	Refer to the aisle specification	See stacking aisle parameter table
Mini. stacking aisle width with pallet 1000×1200mm (load center 500mm)	mm	3140	/
Mini. stacking aisle width with 800×1200mm (load center 600mm)	mm	2940	/
Unladen in-situ rotation diameter (Mini/Max. Fork outside spread)	Wk(mm)	3200/3050	3500/3350
Performance			
Side travel speed, laden/unladen	km/h	7~8	10-12
Straight travel speed, laden/unladen	km/h	9~10	10-12
Lifting speed, laden/unladen	mm/s	230/350	250/360
Lowering speed, laden/unladen	mm/s	270/260	280/260
Max straight gradeability, laden/unladen (S2-5min)	%(tanθ)	10/10	10/10
Max sideways gradeability, laden/unladen (S2-5min)	%(tanθ)	8/8	10/10
Service brake		Electromagnetic	Electromagnetic
Drive			
Drive motor, rating S2=60	kw	AC7	AC4.5×3
Lift motor, rating S3=15%	kw	AC14	AC21
Lead-acid battery voltage/nominal capacity (standard)	V/Ah	48/900	80/600
Lead-acid battery weight	kg	1478	450
Lithium battery voltage/nominal capacity (optional)	V/Ah	48/600	/
Lithium battery weight	kg	934	/

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MAST SPECIFICATION(1MQK30)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (incl.battery)	Mast tilt angle
Triplex full free mast			mm Model> 1MQK30			kg	(°)
	80T	8000	3503	9360	2451	7120	1/3.5
	75T	7500	3337	8860	2287	7060	1/3.5
	70T	7000	3169	8360	2119	7000	1/3.5
	65T	6500	2902	7860	1852	6930	1/3.5
	60T	6000	2735	7360	1688	6870	1/3.5
	54T	5400	2535	6760	1486	6810	1/3.5
	46T	4800	2268	5960	1270	6750	1/3.5

Note: Self-weight is for reference only(The forklift weight without mast is 6340kg)

MAST SPECIFICATION(1MQK40)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (incl.battery)	Mast tilt angle
Triplex full free mast			mm Model> 1MQK40			kg	(°)
	75T	7500	3465	8501	2505	8420	1/3.5
	70T	7000	3298	/	2338	8360	1/3.5
	65T	6500	3132	7501	2172	8300	1/3.5
	60T	6000	2965	7001	2005	8240	1/3.5
	55T	5500	2798	6501	1838	8180	1/3.5
	50T	5000	2632	6001	1672	8120	1/3.5
	48T	4800	2565	5801	1605	8095	1/3.5
45T	4500	2465	5501	1505	8055	1/3.5	

Note: Vehicle weight is for reference only (excluding mast, the chassis weight is 6400 kg).