

V202602-EN-P202603

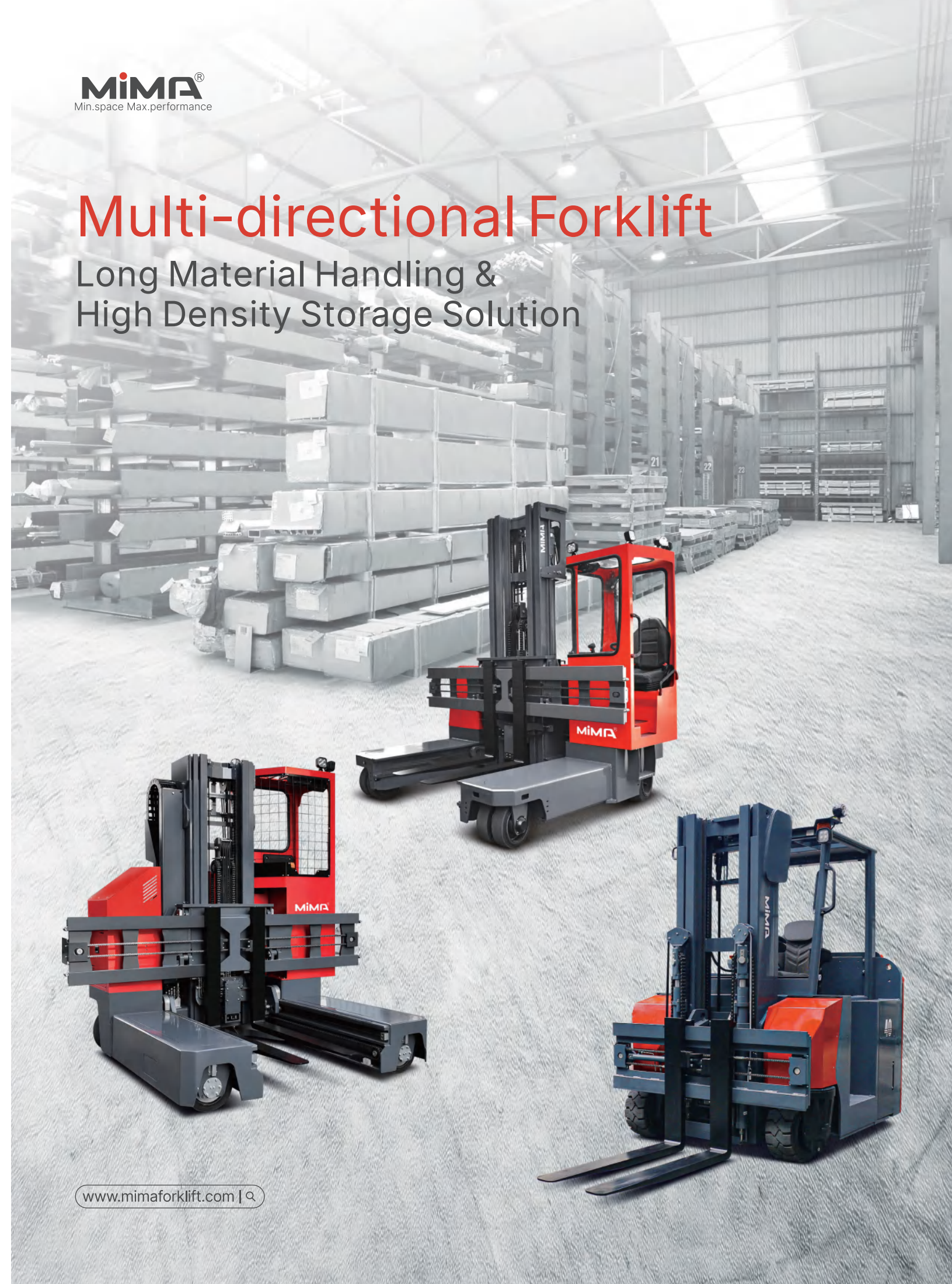


BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO.,LTD
Tel: +86 551 6219 3112
E-mail: sales@mimachina.com
Website: www.mimaforklift.com
Add: Crossing of Daihe Road and Cailun Road, Hefei, China



Multi-directional Forklift

Long Material Handling &
High Density Storage Solution



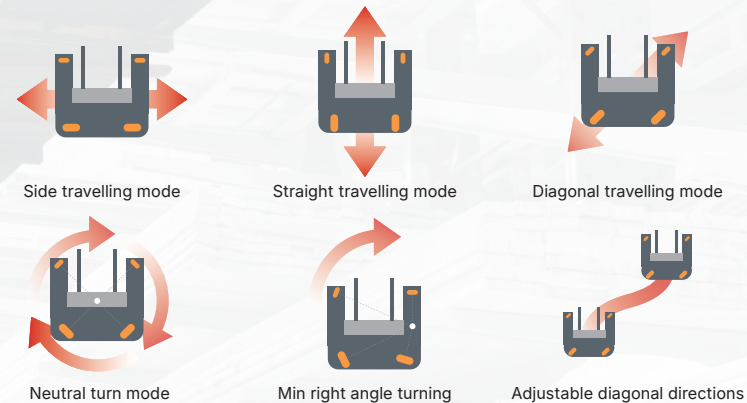
www.mimaforklift.com | Q

Handle Long & Awkward Loads Efficiently - In Every Direction

MiMA multi-directional forklifts are engineered for handling long and bulky materials in confined spaces.

With the ability to travel straight, sideways, diagonal travel, in-situ rotation, they allow operators to move loads smoothly, position them precisely, and work efficiently in complex warehouse and industrial environments.

Acting as three forklifts in one - reach truck, counterbalance, and VNA forklift, MiMA solutions reduce turning, minimize space requirements, and improve both handling efficiency and storage capacity.

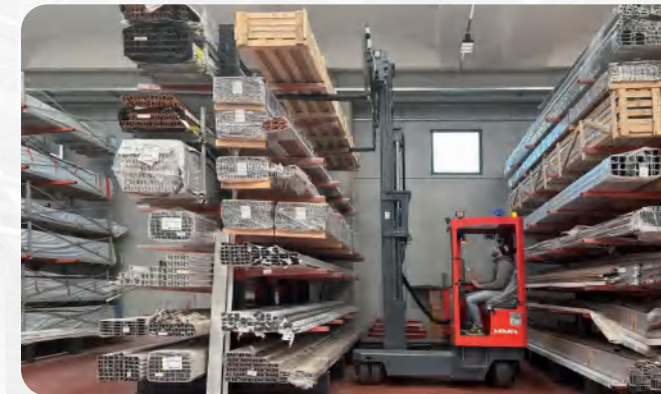


Efficiency, Everywhere

• High Lift & High Load

Narrow aisle and high racking maximize warehouse capacity, helping businesses reduce costs and increase efficiency.

MiMA MQC series with superior high-level load handling.



• Indoor/Outdoor Versatility

Suitable for indoor-only, outdoor-only, or combined indoor-outdoor applications.

Also suitable for cold storage environments (enclosed cab configuration available).



• Long Material Handling

Primarily used for long material handling (2-20 meter materials), In side travel mode, MiMA multi-directional forklift can move laterally through narrow aisles or doorways to handle long materials.



Industry Applications:

- Building Materials Industry: Steel profiles, lumber, long panels, piping
- Glass Manufacturing Industry
- Paper Manufacturing Industry
- Stamping Parts & Plastic Products Manufacturing Industry

• Ergonomic and Comfort

Comfortable cab and seat design;
Convenient integrated handle with linkage control;
Clear and concise instrument panel design;
Multifunctional intelligent dashboard with wheel display function.



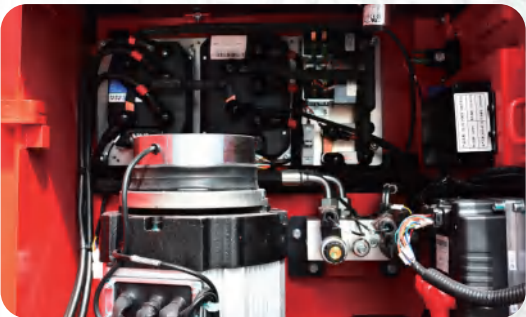
• Safety

All-wheel braking and dual-drive system for wet/icy conditions;
Equipped with an OPS suspension seat for safe operation;
LED headlight, warning light, safe and reliable, ensuring excellent illumination and visibility for nighttime operation.



• Precision

Advanced electronic control: Full AC system with brushless motors for low energy consumption, precise control, and extended lifespan;
EPS: All-wheel electric steering with quick mode switching reduces operator fatigue.



• Customization

Flexible capacity: 1500-8000kg range with heavier options available;
High reach: Up to 12-meter lift height;

Tailored solutions:

Platform length: Custom fit for warehouse aisles
Lift height: Matched to rack specifications
Cab: Closed cab available for cold and frozen environment
Smart options: Fork sensors, guidance radar, cushioning, multi-cameras



MQC SERIES

Seated Multi-directional Forklift

The MQC series are multi-directional forklifts with rated capacities ranging from 2.5 to 8.0 tons, featuring forward-retracting masts and extra-wide fork positioners. These seated-operation forklifts offer four-wheel independent steering between different moving modes. They achieve a standard maximum lift height of up to 8,500mm and operate efficiently in aisles as narrow as 2,530mm—with both parameters customizable to suit specific application requirements.

Key features include dual high-power AC drive motors with electromagnetic braking, ergonomically designed cabs with 270° visibility, OPS suspension seats for safety and comfort, solid rubber tires for all-terrain use, and integrated controls with intelligent dashboards for enhanced operational efficiency.

Advantages/Benefits for Your Warehouse

- Integrated joystick + smart dashboard (with wheel display)
- Power-saving electronic steering & adjustable premium seat for comfort
- Solid tires for indoor/outdoor use
- Dual-drive braking ensures safety on wet and icy surfaces



- Lift up to 8.5m, with a high-precision mast for strong high-load performance
- Extra-wide fork carriage with auto-adjust forks for long material handling
- High-capacity battery with lithium option
- Straight, sideways, diagonal, and in-situ rotation with ease
- 270° view for safer operation



MQC25/30/40/50/80

Seated Multi-directional Forklift

Load capacity: 2500/3000/4000/5000/8000kgs

Standard max. lift height: 8000/8500mm



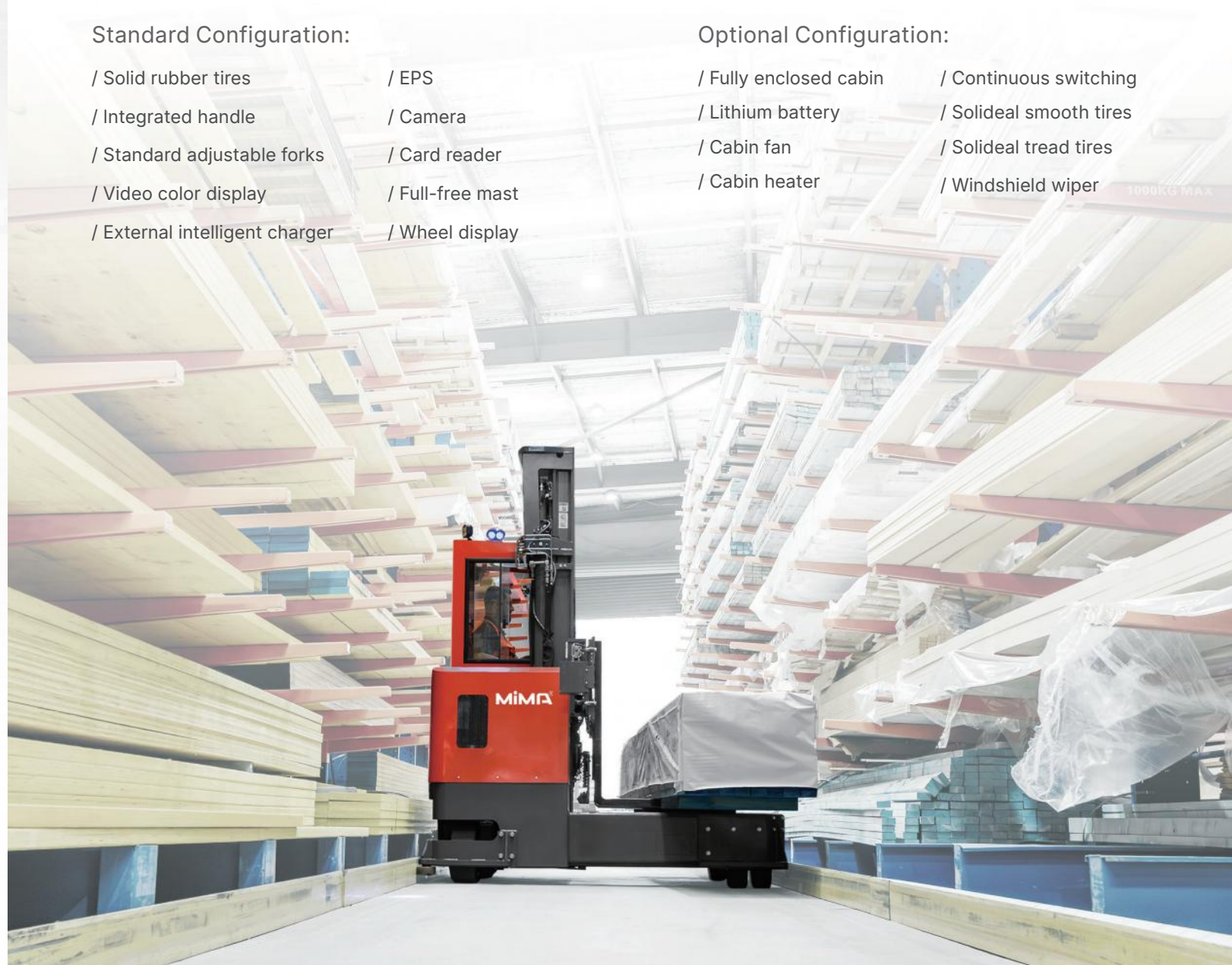
*Some features are optional

Standard Configuration:

- / Solid rubber tires
- / Integrated handle
- / Standard adjustable forks
- / Video color display
- / External intelligent charger
- / EPS
- / Camera
- / Card reader
- / Full-free mast
- / Wheel display

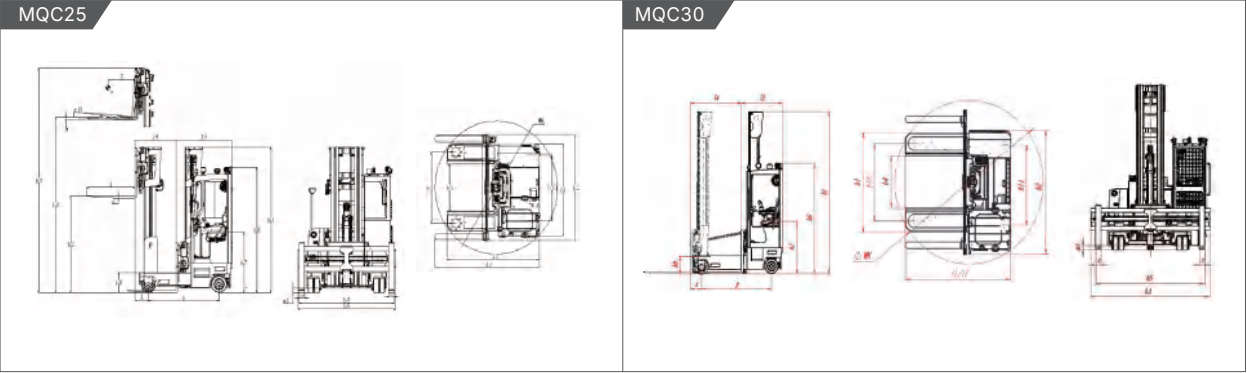
Optional Configuration:

- / Fully enclosed cabin
- / Lithium battery
- / Cabin fan
- / Cabin heater
- / Continuous switching
- / Solideal smooth tires
- / Solideal tread tires
- / Windshield wiper

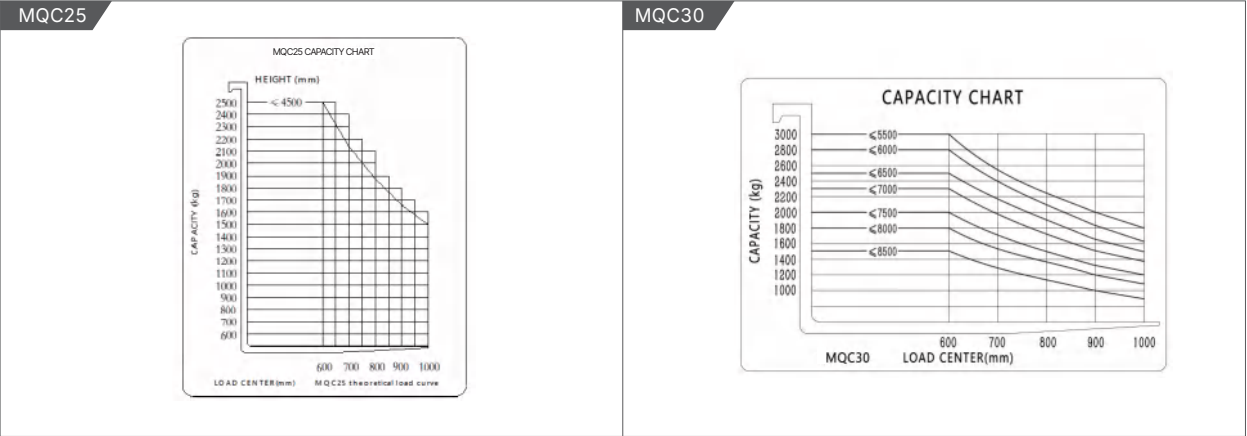


MQC25/MQC30 SPECIFICATION			
Characteristics			
Manufacturer		MIMA	MIMA
Model		MQC	MQC
Model code		MQC25	MQC30
Power Type		Battery	Battery
Operation type		Seated	Seated
Load capacity	Q (kg)	2500	3000
Load center	C (mm)	600	600
Front overhang	x (mm)	630	290
Wheelbase	y (mm)	1560	1790
Front overhang	x1 (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	2800
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	6/7
Lifting speed, laden/unladen	mm/s	200/300	250/300
Lowering speed, laden/unladen	mm/s	300/220	300/250
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



LOAD CHART



MAST SPECIFICATION(MQC25)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (with standard battery)
Triplex full free mast	mm					kg
	Model>MQC25					
	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
	50SQ	5000	2640	6040	1580	5305
	45SQ	4500	2470	5540	1415	5265

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

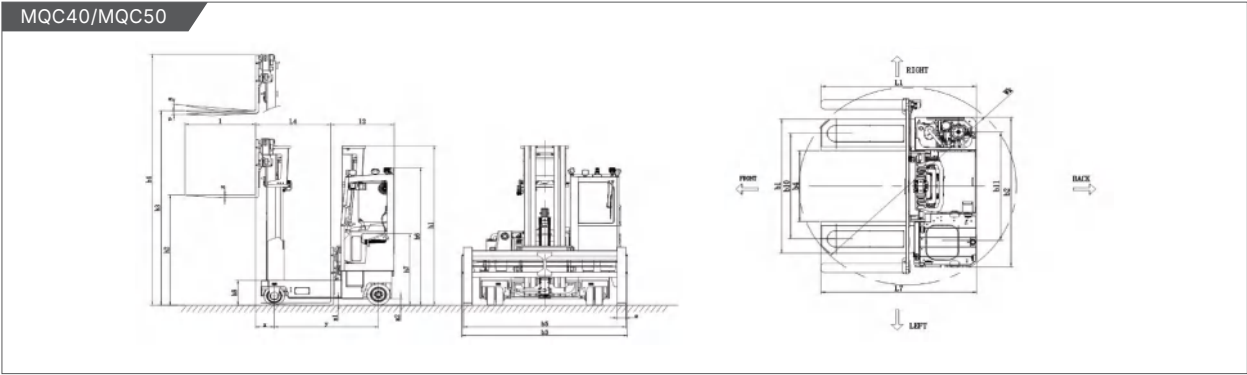
MAST SPECIFICATION(MQC30)

Triplex Full Free Mast										
Model	MQC30MT	MQC30M45T	MQC30M50T	MQC30M55T	MQC30M60T	MQC30M65T	MQC30M70T	MQC30M75T	MQC30M80T	MQC30M85T
Lifting height	h3 (mm)	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

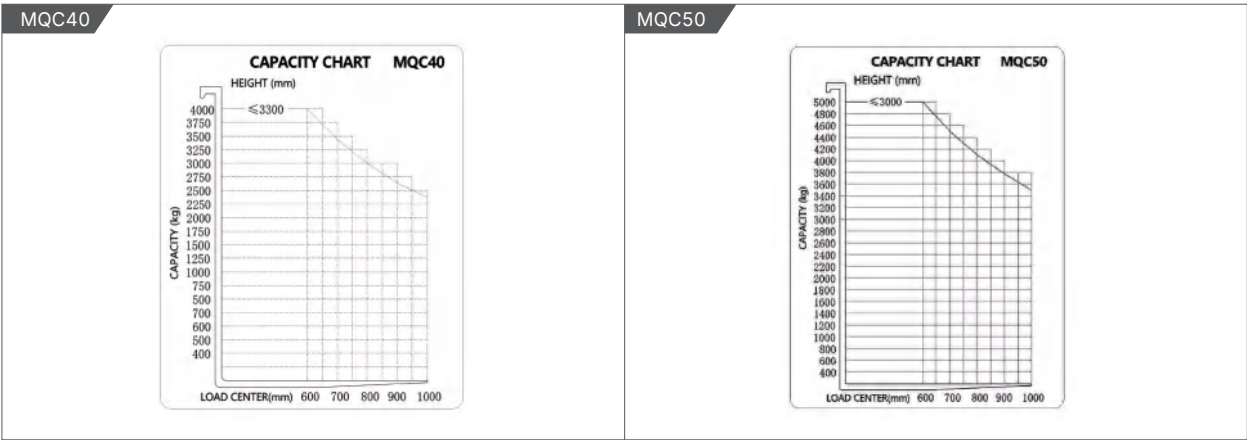
Note[1]: The above mast series are,full free lift standard with adjustable fork positioner. [2]: The free lift height refers to the lifting height without the mast extending beyond the forklift. [3]: The above mast series are,full free lift standard with a single follow-up camera and display. [4]: The 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	mm	14×5-10	15×5-11.25
Tyre size, rear	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

2D VIEW



LOAD CHART



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)

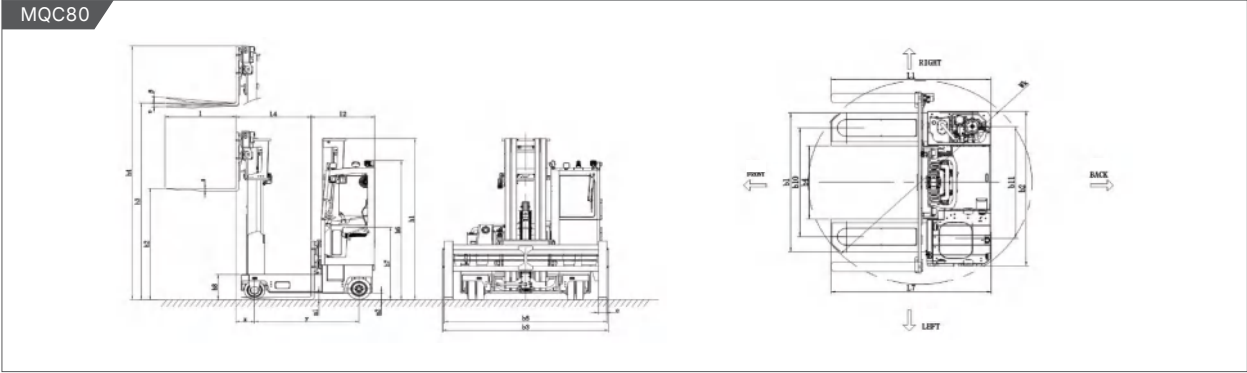
MAST SPECIFICATION (MQC50)

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

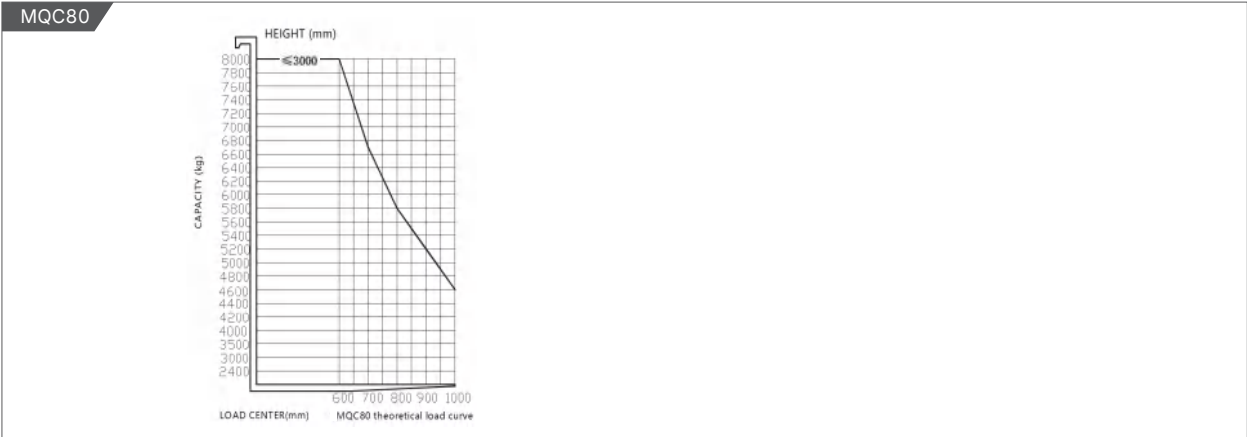
Service Weight is for reference only (the service weight without mast is 5200 kg)

MQC80 SPECIFICATION		
Characteristics		
Manufacturer		MIMA
Model		MQC
Model code		MQC80
Power Type		Battery
Operation type		Seated
Load capacity	Q (kg)	8000
Load center	C (mm)	600
Front overhang	x (mm)	330
Wheelbase	y (mm)	1775
Wheels		
Tyre type,front/rear		PU / Solid rubber
Tyre size, front	mm	350×140
Tyre size, rear	mm	18×9-12.125
Wheels,number front/rear (X=driven)		4 / 2X
Track width, front	b10 (mm)	2383
Track width, rear	b11 (mm)	2400
Dimensions		
Fork tilt angle, forward/backward	α/β (°)	3/5
Mast height, lowered	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 height, raised	h4 (mm)	Refer to the mast specification
Overhead guard height	h6 (mm)	2650/2490
Seat height	h7 (mm)	1360
Outrigger height	h8 (mm)	490
Overall length	l1 (mm)	2400
Length to face of forks	l2 (mm)	1200
Overall width	b1/b2 (mm)	2890/3170
Fork dimensions	s/e/l (mm)	60/180/1200
Fork carriage width	b3 (mm)	1610
Distance between outer forks	b5 (mm)	600~1550
Inner distance between outriggers	b4 (mm)	1630
Reach distance	l4 (mm)	1180
Ground clearance, loaded, under mast	m1 (mm)	150
Ground clearance, loaded, center of wheelbase	m2 (mm)	150
Aisle width	Ast (mm)	Refer to the stacking aisle specification
Length from body to outrigger end	l7 (mm)	2280
Turning diameter, unladen, spot turn	Wk (mm)	4100
Performance		
Travel speed, loaded/unladen	km/h	7-8
Travel speed, loaded/unladen, lateral	km/h	8-9
Lift speed, loaded/unladen	mm/s	250/350
Lowering speed, loaded/unladen	mm/s	350/250
Gradeability, loaded/unladen	%	8/10
Gradeability, loaded/unladen, lateral	%	8/10
Service brake		Regenerative + Electromagnetic
Parking brake		Electromagnetic
Motors		
Drive motor power, S2 60 min	kw	2×AC8
Lift motor power, S3 15%	kw	2×AC15
Battery voltage / rated capacity K5 (lithium-ion)	V/Ah	80/840
Battery weight	kg	600

2D VIEW



LOAD CHART



MAST SPECIFICATION(MQC80)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lift height	Service Weightrt (Inc battery)	Fork tilt angle front/rear
Triplex full free mast	mm					±3% kg	(°)
	Model>MQC80					MQC80	Standard
	80T	8000	3900	9000	2860	/	3/5
	75T	7500	3755	8500	2715	/	3/5
	70T	7000	3493	8000	2453	/	3/5
	65T	6500	3278	7500	2238	/	3/5
	60T	6000	3113	7000	2073	/	3/5
	55T	5500	2898	6500	1858	/	3/5
	50T	5000	2733	6000	1693	/	3/5
	45T	4500	2568	5500	1528	/	3/5

Note:1.The self-weight specification is for reference only.
2.The weight of the vehicle body (with mast removed) is approximately 7600 kg.

MQK30/40 CENTRAL CAB

Multi-directional Counterbalance Forklift, Central Cab

Load capacity: 3000/4000kgs

Standard max. lift height: 8000/7500mm

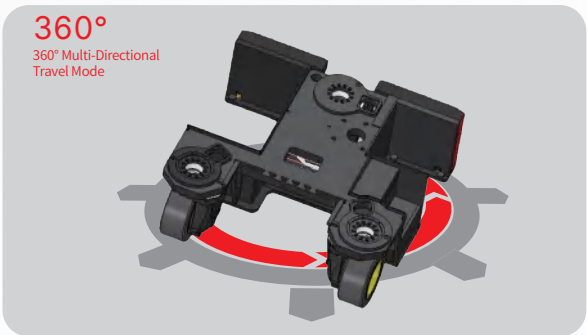


Building upon the MQK30 (side cab) excellent foundation of tilting mast, fork positioner, side-shifter capabilities, and flexible multi-directional movement, MiMA MQK30/40 (central cab) is next-generation multi-directional counterbalanced forklift. It introduces true three-wheel drive, a panoramic "two-stage-vision" triplex mast, and an 80 V lithium pack to deliver class-leading visibility, manoeuvrability, runtime and operator comfort in the most demanding long-load applications.

The centrally positioned operator compartment provides superior visibility compared to the original side-mounted design, delivering the same narrow aisle efficiency as its predecessor while providing superior operator experience and enhanced functionality.

Advantages/Benefits for Your Warehouse

- Three drive motors provide powerful performance.
- Three steering motors ensure smoother and superior steering performance.
- Joystick integrate all functions for convenient operation.
- Standard continuous switching provides excellent maneuverability and fast response.



- Large cab space with an adjustable seat for enhanced comfort.
- Central cab with all-around visibility.
- Low step for easier access
- Narrower body and lighter weight enhance both comfort and maneuverability



- Mount top and bottom buffers on mast ensure greater stability when stacking.
- Dual hydraulic cylinders at the front provide better visibility.
- Standard fork positioner.
- Smooth tires and tread pattern tires are available.
- Standard 80V/600AH Lithium battery.

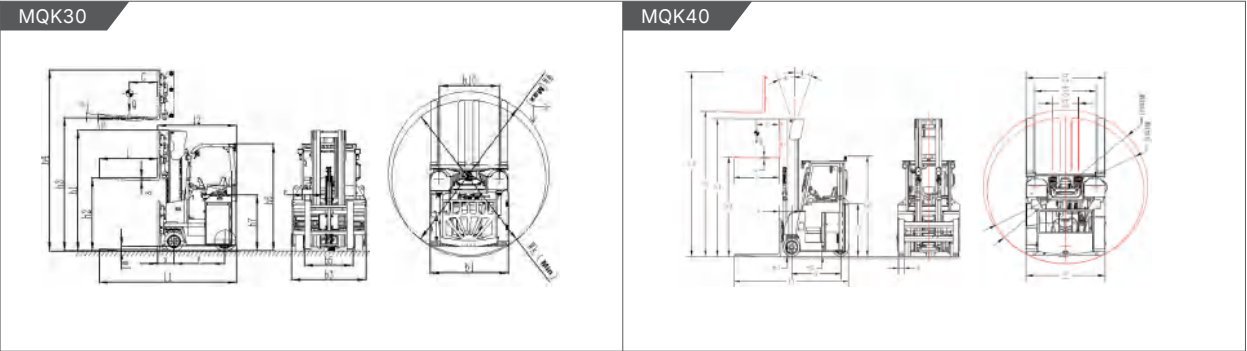


MiMA Multi-directional Counterbalance Forklift Configuration Comparison

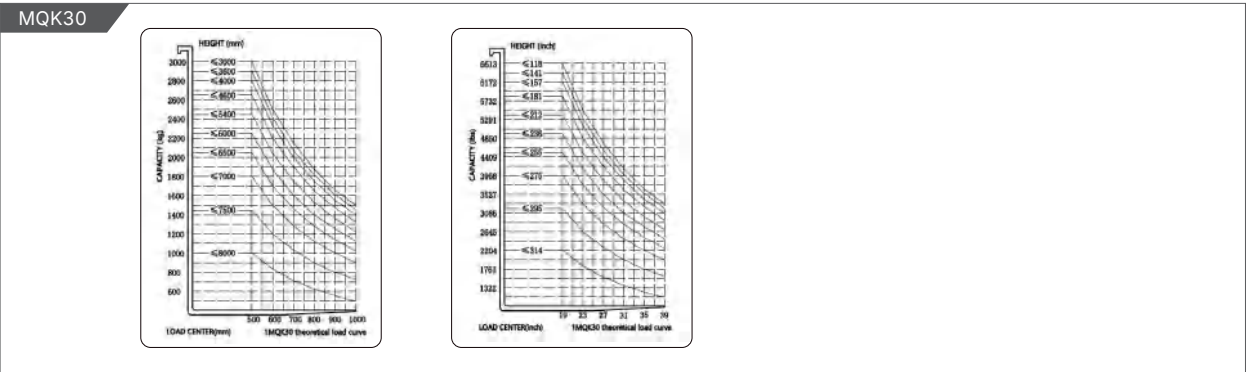
Configurations	MQK30 Side cab	MQK30 Central cab	MQK40 Central cab
EPS	Standard	Standard	Standard
Solid rubber tires	Standard	Standard	Standard
Integrated handle control	Standard	Standard	Standard
Side-shift adjustable forks	Standard	Standard	Optional
Camera	Standard	Standard	Optional
Lithium battery	Optional	Optional	Standard
Enclosed cabin	Optional	/	/
Adjustable forks	Standard	Standard	Standard
Side shifter	Standard	Standard	Optional
External intelligent charger	Standard	Standard	Standard

MQK30/40 (Central cab)			
Characteristics			
Manufacturer		MIMA	MIMA
Model		MQK30 (Central cab)	MQK40 (Central cab)
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
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/1
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 the mast specification
Free lift height (standard)	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)	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	Refer to the aisle specification
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	/

2D VIEW



LOAD CHART



MAST SPECIFICATION(MQK30)

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	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	1686	6870	1/3.5
	54T	5400	2535	6760	1486	6810	1/3.5
	46T	4600	2268	5960	1270	6750	1/3.5

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

MAST SPECIFICATION(MQK40)

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>MQK40				
Triplex full free mast	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).

MQ SERIES

Ultra Narrow Stand-on Multi-directional Forklift

MQ30 is an ultra-narrow, stand-on multi-directional forklift with a rated load of 3.0 tons. Its defining feature is an extremely compact chassis length of just 800mm, which, combined with customizable outrigger lengths, enables efficient operation in ultra-narrow stacking aisles. Designed for maneuverability in tight spaces, it also offers an extended fork adjustment range to handle long materials over 10 meters. Ideal for AGV customization.

Advantages/Benefits for Your Warehouse

- Enhanced Braking & Safety: All-wheel braking (front & rear) ensures better control on wet or icy surfaces.
- Front wheel speed sensing ensures smooth braking.
- Full AC system for quick response, precise control, low energy use, and long life.
- Pure electric all-wheel steering.



- Imported gear pump ensures smooth, low-noise use.
- Durable hydraulic hoses resist wear and stretching.
- Multi-function dashboard with wheel display.
- High-capacity power battery delivers strong, safe, and long-lasting performance.



MQ30 WIDE BODY

Designed for Ultra-narrow Aisles

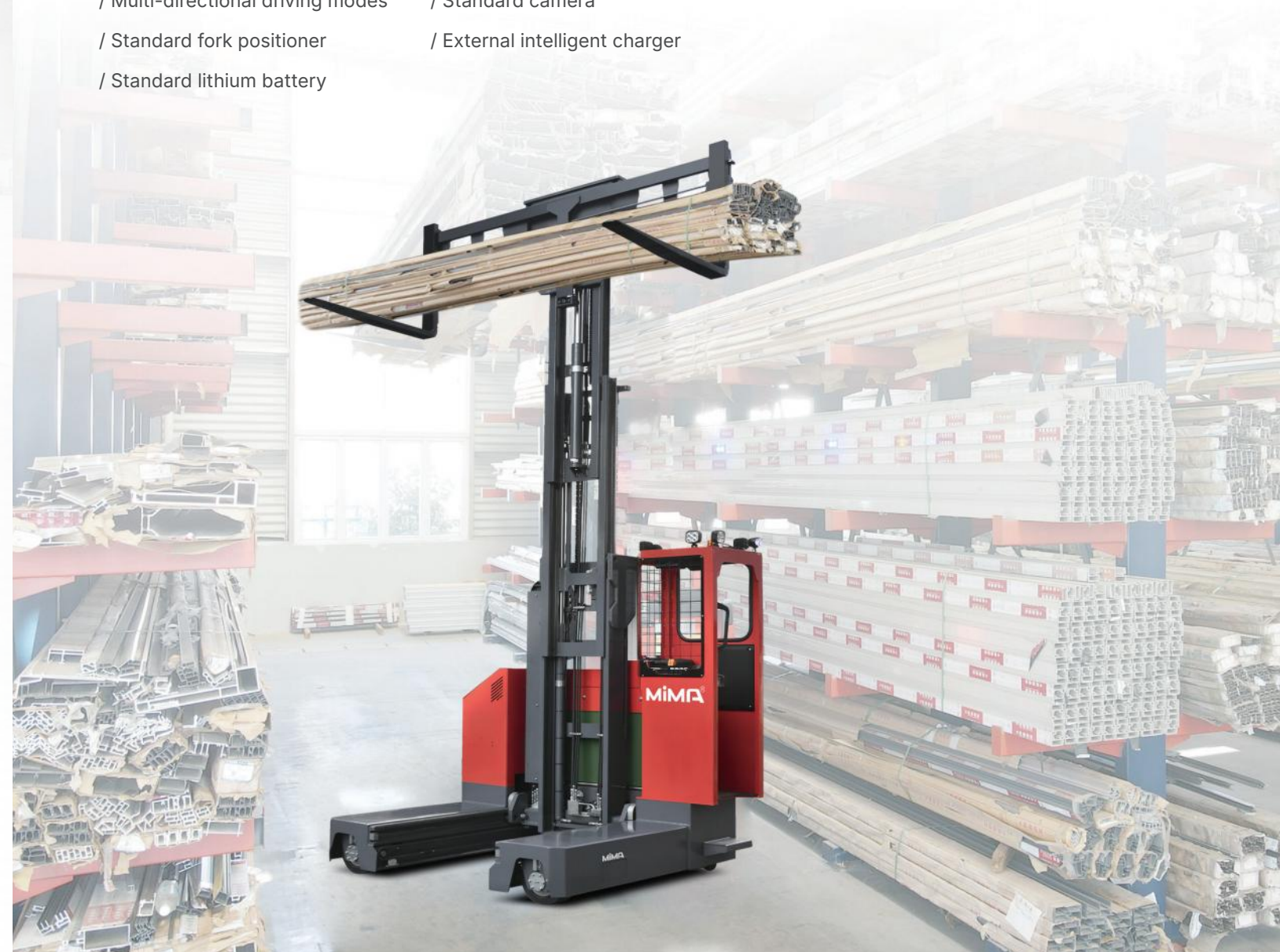
Load capacity: 3000kgs

Standard max. lift height: 8000mm



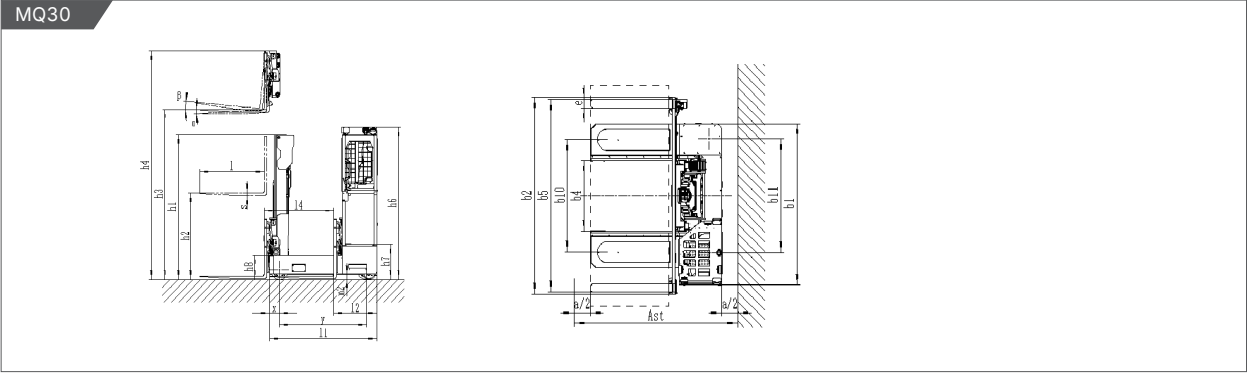
Standard Configuration:

- / Multi-directional driving modes
- / Standard camera
- / Standard fork positioner
- / External intelligent charger
- / Standard lithium battery

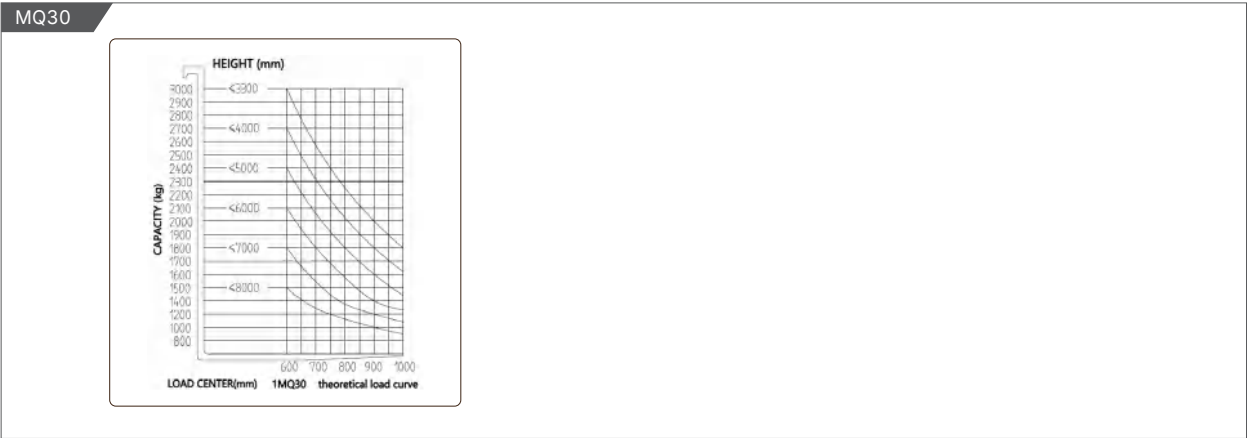


MQ30 (Wide body)		
Characteristics		
Brand		MiMA
Model		MQ30
Vehicle Code		MQ30
Power type		Battery
Operation		Stand on
Load capacity	Q (kg)	3000
Load center distance	C (mm)	600
Front axle to fork vertical plane distance	x (mm)	285 (Fork forward in place)
Wheelbase	y (mm)	1625
Front overhang	x1 (mm)	/
Wheels		
Tyre type		Solid rubber/Polyurethane (front/rear)
Tyre size, front		φ330×145
Tyre size, rear		φ204×76/ 381×203×285.8SM
Balance wheel		/
Wheels, number front/rear (X=driven)		2/2/1X
Track width, front	b10 (mm)	1632
Track width, rear	b11 (mm)	1660
Dimensions		
Fork tilt angle front/rear	α/β (°)	2/5
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	h6 (mm)	2700/2500 (With lights/without lights)
Pedal height	h7 (mm)	620
Support arms height	h8 (mm)	420
Overall length	l1 (mm)	2000
Length to fork face	l2 (mm)	800
Overall width	b1/b2 (mm)	2280/2860
Fork dimensions	l/e/s (mm)	1200/125/50
Backrest width	b3 (mm)	2860
Fork outside spread	b5 (mm)	2800-560
Support arms inner width	b4 (mm)	1000
Reach distance	l4 (mm)	1300
Ground clearance below mast, laden	m1 (mm)	75
Aisle width	Ast (mm)	Refer to the aisle width specification
Unladen in-situ rotation diameter	Wk (mm)	Refer to the aisle width specification
Performance		
Travelling speed, laden/unladen	km/h	6.0~7.0
Lift speed, laden/unladen	mm/s	220/300
Lowering speed, laden/unladen	mm/s	300/220
Reach distance, laden/unladen	mm/s	6/8
Straight driving gradeability, laden/unladen	% (tanθ)	/
Straight driving gradeability, laden/unladen	% (tanθ)	/
Service brake		Electromagnetic
Parking brake		Electromagnetic
Drive		
Drive motor, rating S2=60	kw	8AC
Lift motor, rating S3=15%	kw	12.5AC
Battery voltage/nominal capacity K5	V/Ah	48/300 (Lithium battery)
Battery weight	kg	175
Litium Battery voltage/nominal capacity	V/Ah	48/460/222
Lithium battery weight (optional)	kg	/
Others		
Video display		Customized camera
Fork positioner		Customized
Ultra wide fork carriage and four forks		Customized

2D VIEW



LOAD CHART



MAST SPECIFICATION(MQ30)

Mast type	Mast model	Lifting height	Mast retracted height	Mast extended height	Free lifting height	Service Weight (without battery)	Mast tilt angle
Triplex full free mast						±3% kg	(°)
	80T	8000	3885	9050	2800	5856	2/4
	75T	7500	3760	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;

MQZ SERIES

Narrow-body Seated Multi-directional Forklift

The MQZ series is a seated multi-directional forklift, with a rated loads of 2.5/3.0 tons, featuring three-wheel independent steering, narrow body, reduced turning radius, and higher efficiency. The MQZ series is equipped with a stable mast system and a rapid lifting system for better performance. Applied work conditions: medium-density storage and high turnover rate conditions, stacking long materials in VNA.

Advantages/Benefits for Your Warehouse

- Moves in all directions—straight, sideways, diagonal, in-situ rotation, and right-angle turns.
- Simple, fast, and reliable for narrow-aisle stacking.
- Full AC system for quick response, precise control, low energy use, and long life.
- Seated driving type for comfort and convenience.



- Imported gear pump ensures smooth, low-noise use.
- Durable hydraulic hoses resist wear and stretching.
- Multi-function dashboard with wheel display for precision.
- High-capacity power battery delivers strong, safe, and long-lasting performance.



MQZ25/30 NARROW-BODY

Narrow-body Seated Multi-directional Forklift

Load capacity: 2500kg/3000kgs

Standard max. lift height: 10500mm



Standard Configuration:

- / Multi-directional driving modes
- / Full-wheel EPS
- / Standard fork positioner
- / Front-pull suspended battery system
- / External intelligent charger

Optional Configuration:

- / Integrated handle
- / Lithium battery

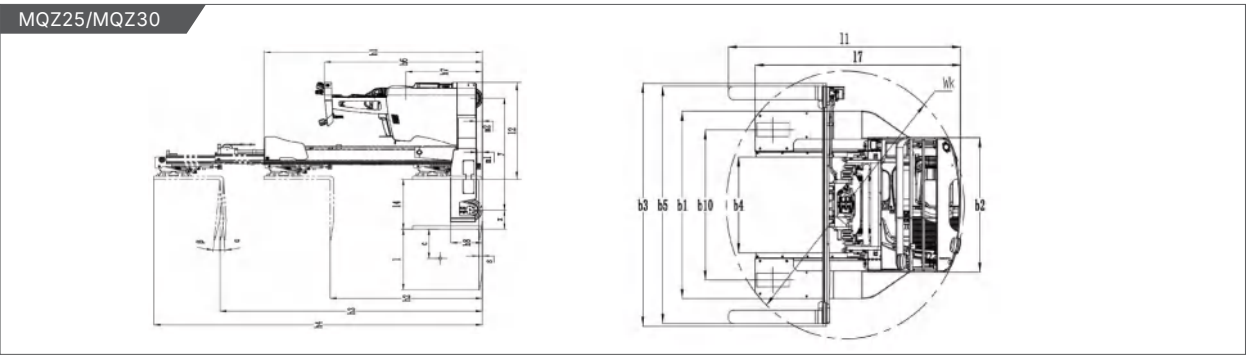


MQZ25/30 NARROW-BODY

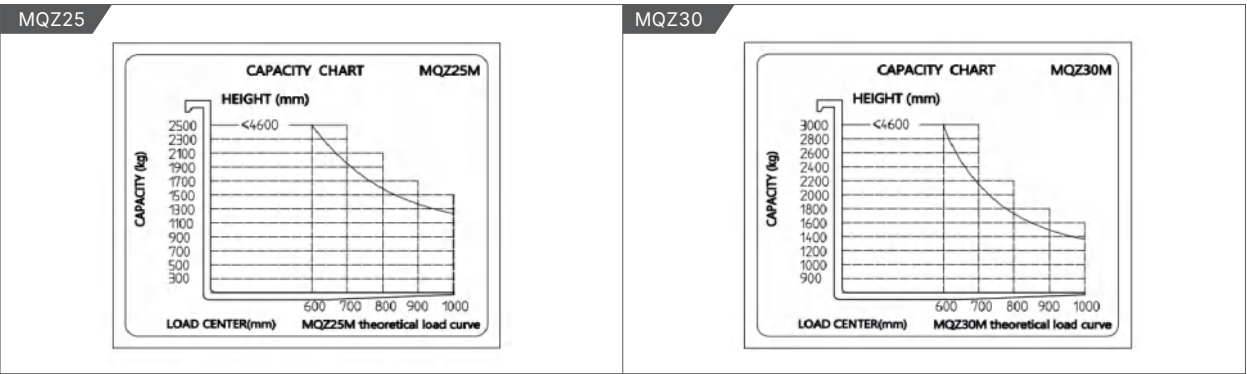
Characteristics			
Brand		MIMA	MIMA
Model		MQZ	MQZ
Vehicle code		MQZ25M	MQZ30M
Power type		Battery	Battery
Operation		Seated	Seated
Load capacity	Q (kg)	2500	3000
Load center distance	C (mm)	500	500
Front overhang	x (mm)	263	263
Wheelbase	y (mm)	1650	1750
Wheels			
Tyre type		Polyurethane	Polyurethane
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

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.

2D VIEW



LOAD CHART



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
Triplex full free mast	mm					±3%kg		(°)
	Model>MQZ25M/MQZ30M					25M	30M	whole series
	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.