

2023.4Version

MiMA[®]
Min Space, Max Performance

INTERTRAC

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Material Handling  **900 818 978**

MiMA[®]
Min Space, Max Performance



**ELECTRIC MULTI-DIRECTIONAL
COUNTERBALANCE FORKLIFT TRUCKS**

MQK30



Multi-directional Counterbalance Forklift Trucks —MQK30

MiMA launched a new multi-directional counterbalance forklift MQK30, **which combines the advantages of counterbalanced forklifts and reach trucks**. Compared with ordinary counterbalanced forklifts, the stacking aisle is 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. Suitable for working conditions inside and outside the warehouse, continuous transportation and transshipment of goods, **handling and stacking of long materials + ordinary pallet goods**, it is a multifunctional forklift with excellent operating performance, high efficiency and high comfort. **360° multidirectional driving mode**, adapting to complex working conditions, with high flexibility and high efficiency. Non-stop continuous operation mode, flexible and convenient direction switching, efficient and fast handling of goods. **Compact body design**, easy to carry long materials through narrow spaces such as factory doors, and has good trafficability.



✓ Long Materials



✓ Ordinary Pallet Cargo

VNA · LONG MATERIAL · HEAVY-DUTY · AGV BODY

Model	MQK30
Rated Load(kg)	3000
Max. Lifting Height(mm)	3000-8000
Overall Width(mm)	1640
Overall Length(mm)	2520
Number of Wheel ,front/rear(x=drive wheel)	2X/ 2
Fork Outside Width(mm)	460-1400
Battery Voltage/Capacity(V/Ah)	48/600
Driving Type	Seated
Top Driving Speed	10km/h



Sideways travel mode



Straight travel mode



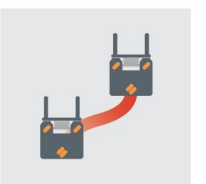
Diagonal travel mode



Center rotation mode



Minimum turning radius



Diagonal direction adjustment



- The best long-distance material handling and stacking solution, multi-directional long material long-distance transportation

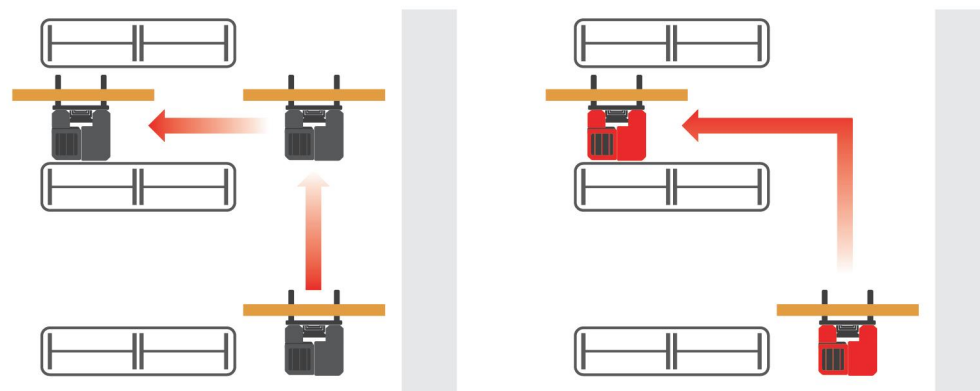


- Compact body design, narrow body width and length, suitable for ordinary pallet cargo

Long Materials + Ordinary Pallet Cargo

Continuous Driving Mode without Stopping

MQK30 has an unparalleled efficiency advantage, because this model has a non-stop continuous driving mode, no need to stop when switching directions during driving, simplifying the cumbersome operation steps of driving-parking-switching driving mode-re-driving, saving braking and deceleration + switching directions + time to accelerate from the start allows you to experience a smooth driving process, which greatly improves the operating efficiency and comfort, allowing you to handle more work with ease.

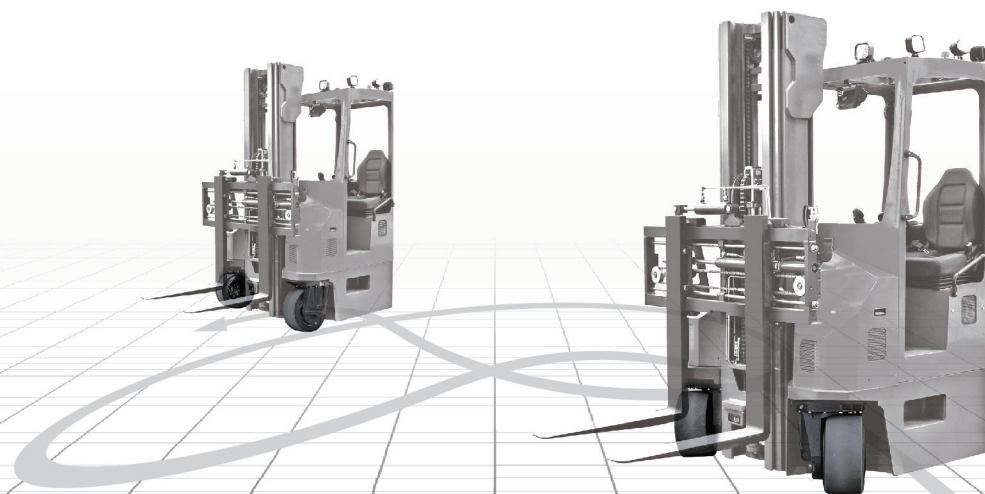


Traditional Way of Driving

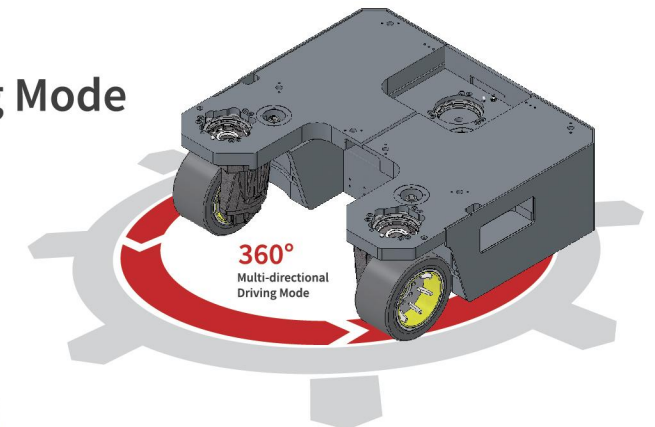
Driving straight → Parking → Switching Driving Modes → Driving sideways

MQK Non-stop Continuous Driving Mode

Driving straight → Driving sideways

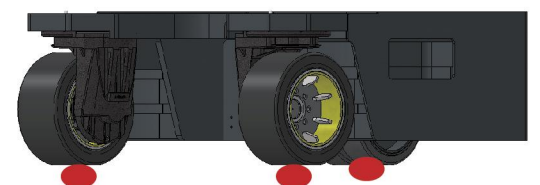


360° Multi-directional Driving Mode



MQK30 is equipped with a 360° multidirectional driving mode, and the switching from straight driving to side driving is more flexible and fast, which provides the vehicle with good maneuverability, reduces the time for vehicle adjustment and switching, and improves efficiency. It is especially suitable for warehouses that can move freely. When the direction changes, it can reflect the most prominent advantages of MQK30. MQK30 is equipped with rubber tires, which has good adaptability to road conditions. The three-pivot design ensures the maximum steering angle and minimum turning radius, which is beneficial to reduce tire wear.

Three-point Design



Drive Wheel Display

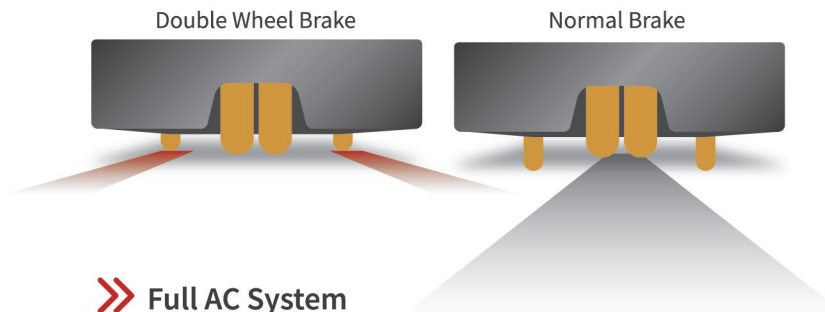




- ① Steering Wheel + Drive Wheel Display
- ② Integrated Operating Handle
- ③ HD Display
- ④ HD Camera

>> Dual Drive Braking

The braking effect is better, and it can be used on slippery and icy ground, making the operator's work safer.



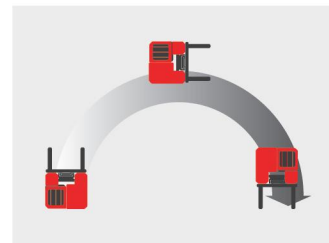
>> Full AC System

Strong endurance: full AC system design, using AC brushless motor, with high efficiency and energy saving, to meet the requirements of multiple operations under heavy working conditions.



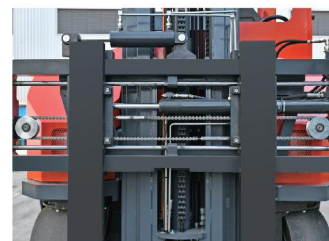
>> EPS

High operating comfort: Equipped with EPS steering, which makes steering more labor-saving, reduces fatigue strength and improves efficiency.



>> Configure Fork Positioner + Side Shift Fork

Equipped with fork positioner + side shifting forks, it has wide adaptability and high efficiency in picking and placing goods.



>> Ultra-narrow Mast Design with SuperiorVision

MQK30 adopts an ultra-narrow mast design with a narrow body, which can provide the operator with a good view and improve work efficiency.



VNA · LONG MATERIAL · HEAVY DUTY · AGV BODY



- A forklift that works seamlessly indoors and outdoors
- 13+ years of experience in R&D and production of multidirectional/four-directional forklifts
- Delivered more than 1,000 multi/fo-ur-way forklifts to global customers
- Complete sales service system, perfect after-sales service, worry-free follow-up

Aluminum Profile Industry



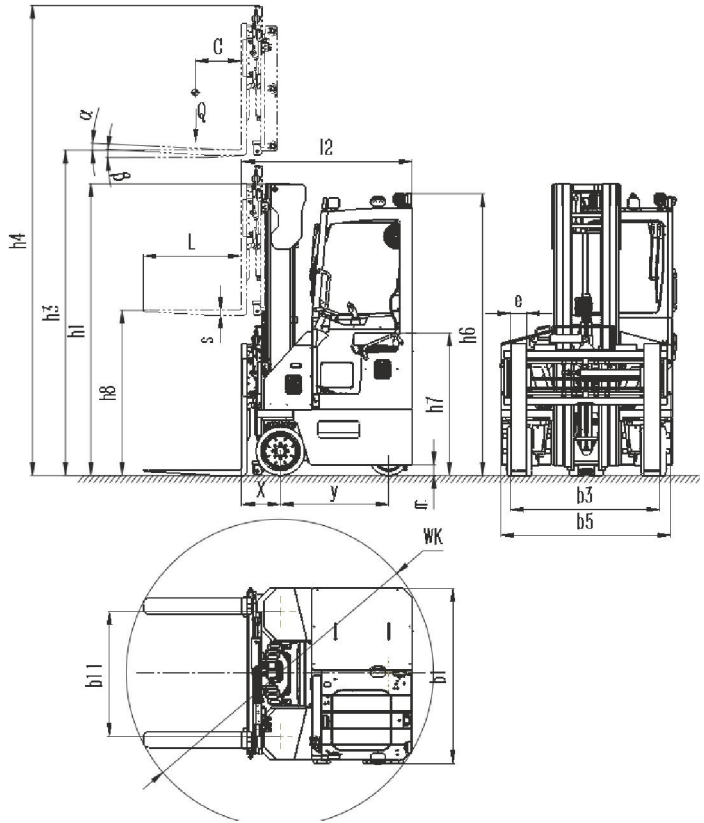
Pipeline and Timber Industry



Standra			
1.1	Manufacturer		MiMA
1.2	Model		MQK30
1.3	Power Type		Battery
1.4	Driving Type		Seated
1.5	Rated Load	Q(kg)	3000
1.6	Load Center	C(mm)	500
1.7	Front Overhang	x(mm)	367
1.8	Wheelbase	y(mm)	1015
Weight			
2.1	Service Weight(incl.battery)	kg	7900
Wheel			
3.1	Wheel Type,Drive/Load		Soild Rubber Type
3.2	Load Wheel Size	in/mm	15×6-11.25/φ381×152
3.3	Drive Wheel Size	in/mm	18×9-12.125/φ457×229
3.5	Number of Wheels,,front/rear(x=drive wheel)		2X/ 2
3.6	Wheel Tread, Drive	b10(mm)	1170
Size			
4.1	Mast Tilting	α/β(°)	1/3.5
4.2	Mast Closed Height	h1(mm)	2735
4.3	Free Lift Height	h2(mm)	1375
4.4	Lift Height	h3(mm)	6000
4.5	Mast Extended Height with Load-backrest	h4(mm)	7360
4.7	Cab Overall Height(with/without light)	h6(mm)	2650/2515
4.8	Seat Height	h7(mm)	1340
4.9	Leg Height	h8(mm)	/
4.10	Overall Length	l1(mm)	2520
4.11	Overall Width	b1(mm)	1640
4.12	Unload In-situ Rotation Diameter (fork outside distance 460-1400mm)	WK(mm)	2800/2900
4.13	Fork Size	l/e/s(mm)	920/150/50
4.14	Fork Carriage Width	b5(mm)	1600
4.15	Fork Outside Width	b3(mm)	460-1400
4.16	Side Shift Distance	b4(mm)	±100
4.17	Dimensions Between The Fork Surface and The Rear of The Forklift Body	l2(mm)	1600
4.18	Minimum Ground Clearance	ml(mm)	100
Function			
5.1	Driving Speed Side Driving,(Load/Unload)	km/h	7-8
5.2	Driving Speed Straight Driving,(Load/Unload)	km/h	9-10
5.3	Lifting Speed,(Load/Unload)	mm/s	200/240
5.4	Lowering Speed,(Load/Unload)	mm/s	300/240
5.5	Maximum Climbing Ability, Straight Driving Load/Unloaded (S2-5min)	%(tanθ)	10/10
5.6	Maximum Climbing Ability, Side Driving Load/Unloaded (S2-5min)	%(tanθ)	10/10
5.7	Brake Type	Electromagnetic	
Drive			
6.1	Drive Motor Power(S2-60min)	kw	7AC
6.2	Lift Motor Power(S3-15%)	kw	12.8AC
6.3	Lithium Battery,Voltage/Capacity	V/Ah	48/600
6.4	Battery Weight	kg	450
6.5	Steering ystem	EPS	
Other			
7.1	Battery Replacement		Hoisting

1. Standard fork positioner + side shift fork, side shift distance ±100mm;
2. Standard lithium battery;
3. The data of standard models will vary according to different configurations.

2D View



Load Chart

