

MIMA®
Min Space, Max Performance



ELECTRIC FORKLIFT TRUCK

Compact Three-wheel Counterbalanced Forklift

- TKA10
- TKA15

BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO., LTD

Add: Crossing of Daihe Road and Caitun Road, Hefei, China

Tel: +86 551 6425 5078

Fax: +86 551 6211 3877



E-mail: sales@mimaforklift.com

Website: www.mimaforklift.com

FINAL INTERPRETATION IS OWNED BY BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO., LTD

Compact Lightweight

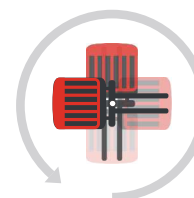
TKA series three-wheel counterbalance forklift is specially designed for traveling and working in a tight space. Compared with standard counterbalance forklifts with the same load, TKA series forklifts have smaller sizes and lighter weight. Good passability for cold storage/elevators etc., suitable for various industrial floors.

	 MK15	 TKA15	TKA15 VS MK15
Height mast closed	1995mm	1995mm	Height mast closed same
Overall length	3205mm	2496mm	➔ Overall length 22% reduction
Overall width	1110mm	912mm	➔ Overall width 18% reduction
Turning radius	2000mm	1415mm	➔ Turning radius 33% reduction
Stacking aisle	3580mm	2925mm	➔ Stacking aisle 21% reduction
Service weight	2900kg	1990kg	➔ Service weight 41% reduction

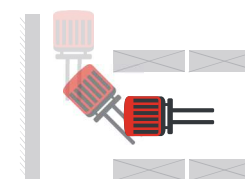
Lightweight Three-wheel Counterbalanced Forklift - TKA series

TKA series counterbalanced forklift, three-wheel design, compact and lightweight, more suitable for narrow spaces and floor operations. Small turning radius and small stacking aisle, improve space utilization. Flexible steering, easier operation. It is suitable for horizontal handling and stacking in narrow aisle.

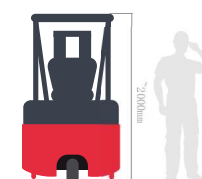
Model	MKA10	MKA15	TKA15F09
Load Capacity	1.0T	1.5T	1.5T
Max.lifting height	4000mm	3500mm	4500mm
Operation type	Seat	Seat	Seat
Battery(V/Ah)	24/300	24/350	24/480



In situ rotation
More flexible



Minimized turning radius
Reduce aisle width



Low mast height low overhead guard height
Cold storage/service elevators available

Comfortable seat

Ergonomic design
More comfortable

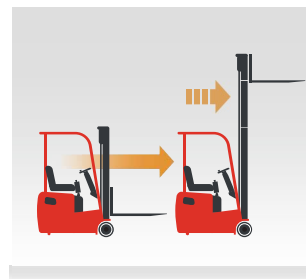


Imported controller

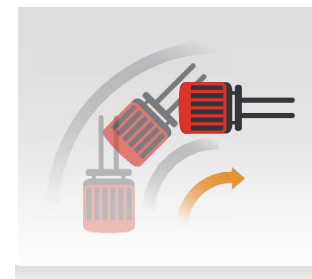
Imported controller
More stable and safer



Configuration



Automatic speed limit at high lifting



Automatic speed limit at cornering



Electric limit when lifting

Wide-view mast design

Easy to operate and observe,
improve work efficiency



Pure electric steering

Easier steering Easier controlling
Comfortable and green



Li-ion battery (optional)

- Energy consumption: more than 30% lower
- Enclosed design, maintenance free
- LiFePO4 battery is more safer
- 5 years warranty, battery life up to 10 years
- Fast charging, 2 hours can be fully charged, no backup battery required
- Non-toxic and non-polluting, meets RoHS

Small diameter load wheels

Reduced front overhang, more safer
Rubber tires optional



Three-wheel design

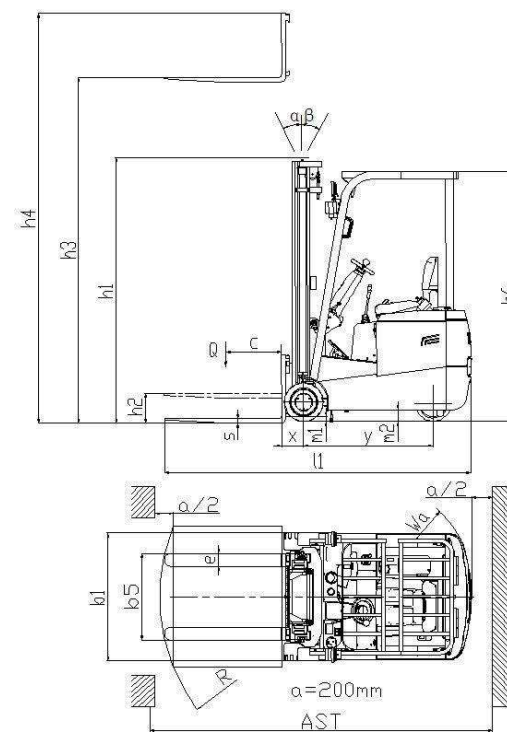
Compact and flexible
Can rotate in place



[Notice] All the above configurations may include optional configurations.
Please consult relevant salesman before purchasing

Standard				
1.1	Model	MKA10	MKA15	TKA15F09
1.2	Power type	Battery	Battery	Battery
1.3	Operation type	Seated	Seated	Seated
1.4	Rated capacity	Q(kg)	1000	1500
1.5	Load center	C(mm)	500	500
1.6	Front overhang	x(mm)	168	175
1.7	Wheelbase	y(mm)	975~990~1020	1127~1142~1172
Weights				
2.1	Service weight (incl. battery)	kg	1700	1990
2.2	Axle loading, load rear/front	kg	335 /2365	390/3170
2.3	Axle loading, unload rear/front	kg	1045 /655	1250/750
Wheels				
3.1	Wheel type, drive/load	PU	PU	PU/Solid rubber tires
3.2	Load wheel	mm	φ285×100	φ285×100
3.3	Drive wheel	mm	φ230×110	φ280×135
3.4	Number of wheels, front/rear (x=drive wheel)		2 / 1X	2 / 1X
3.5	Wheel tread, drive side	b10(mm)	/	/
3.6	Wheel tread, load side	b11(mm)	804	810
Dimensions				
4.1	Tilt of mast, forward/backward	α/β(°)	2/4	2/4
4.2	Mast closed height	h1(mm)	1995	2065
4.3	Free lift height	h2(mm)	90	90
4.4	Lift height	h3(mm)	3000	3000
4.5	Mast extended height with backrest	h4(mm)	3530	3560
4.6	Cab height	h6(mm)	1965	1965
4.7	Seat height	h7(mm)	930	930
4.8	Overall length	L1(mm)	2330	2496
4.9	Length to fork face	L2(mm)	1410	1576
4.10	Overall width	b1/b2(mm)	912	1010
4.11	Fork size	l/e/s(mm)	920/100/35	920/100/35
4.12	Installation level		2A	2A
4.13	Fork-carriage width	b3(mm)	620	620
4.14	Outside distance between forks	b5(mm)	220-620	220-620
4.15	Mast ground clearance	m1(mm)	90	90
4.16	Body ground clearance	m2(mm)	90	90
4.17	Aisle width for pallet 1000*1200mm crossways	Ast(mm)	2760	2925
4.18	Aisle width for pallet 8000*1200mm lengthways	Ast(mm)	2870	3037
4.19	Turning radius	Wa(mm)	1255	1415
Performance				
5.1	Drive speed (load/unload)	km/h	6/7	6/7
5.2	Lift speed (load/unload)	mm/s	150/190	125/200
5.3	Lowering speed (load/unload)	mm/s	350/250	350/250
5.4	Traction (S2-5min)	%(tanθ)	8/10	5/10
5.5	Brake type(front/rear)		Hydraulic Electromagnetic brake	Hydraulic Electromagnetic brake
Driving				
6.1	Drive motor rating (S2-60min)	kw	1.5	2.3
6.2	Lift motor rating (S3-15%)	kw	2	3
6.3	Lead-acid battery, voltage/rated capacity	V/Ah	24/300	24/350
6.4	Battery weight	kg	277	305
6.5	Steering system		Electric	Electric
Options				
7.1	Li-ion battery, voltage/rated capacity	V/Ah	24/200	24/200

2D View



Load Chart

