

# ELECRIC FORKLIFT TRUCK TKC16 / TKC20

Three-wheel counterbalanced forklift

**MiMA**<sup>®</sup>  
Min Space,Max Performance

BANYITONG SCIENCE & TECHNOLOGY DEVELOPING CO.,LTD

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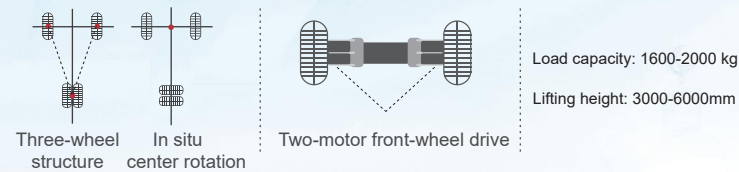
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Website



TKC series dual front-wheel drive counterbalanced forklift

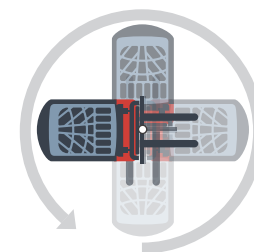


Model	TKC16	TKC20
Load capacity	1.6T	2.0T
Max. lifting height	6000mm	6000mm
Operation	Seat	Seat
Battery(V/Ah)	48/400	48/490

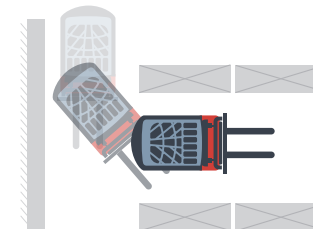
## Compact Flexible Smaller aisle

TKC series counterbalanced forklift is ideal for a wide range of transport and stacking tasks. Thanks to its compact design, the manoeuvrable three-wheel forklift is particularly impressive when it comes to flexible transport in cramped storage areas. The two-motor front-wheel drive and intelligent Curtis control technology ensures consistently high performance with low consumption.

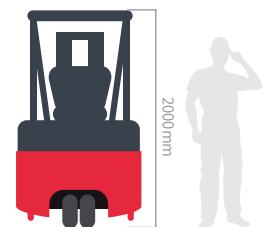
	 MK20	 TKC20	TKC20 VS MK20
Overall length	3410mm	3090mm	➔ Overall length 10% reduction
Turning radius	2100mm	1660mm	➔ Turning radius 20% reduction
Stacking aisle	3720mm	3350mm	➔ Stacking aisle 10% reduction
Service weight	3380kg	3200kg	➔ Service weight 5% reduction



In situ rotation  
More flexible



Minimized turning radius  
Reduce aisle width



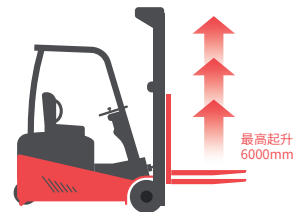
Low mast height low overhead guard height  
Cold storage/service elevators available



## Features

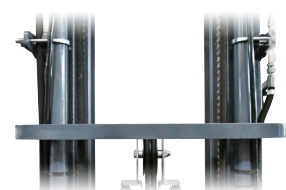
### Mast Lifting

Duplex mast/triplex mast optional  
Max.Lifting height:6000mm



### Wide-view Mast Design

Easy to operate and observe,  
improve work efficiency



### Attachments Available

Strong applicability, easy installation  
Applicable to various working conditions



### Two-motor Front-wheel Drive

Maintenance-free double AC motors  
Quicker response, Stronger power,  
Longer service life



### Solid Rubber Tires

Stronger road adaptability,  
suitable for indoor and outdoor use



### Three-wheel Design

Compact, more flexible  
Dual rear-wheel, guaranteed load weight

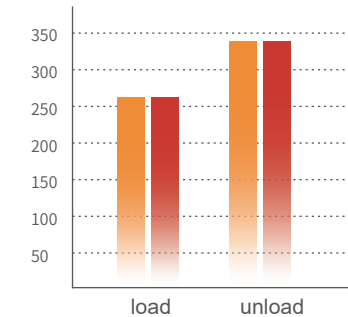


## Good performance

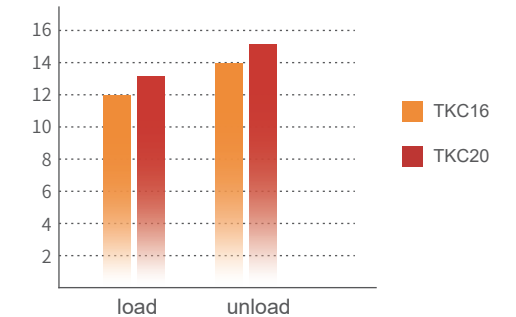
Travel speed(km/h)



Lifting speed(mm/s)



Gradeability[%(tanθ )]



## Li-ion Battery (optional)

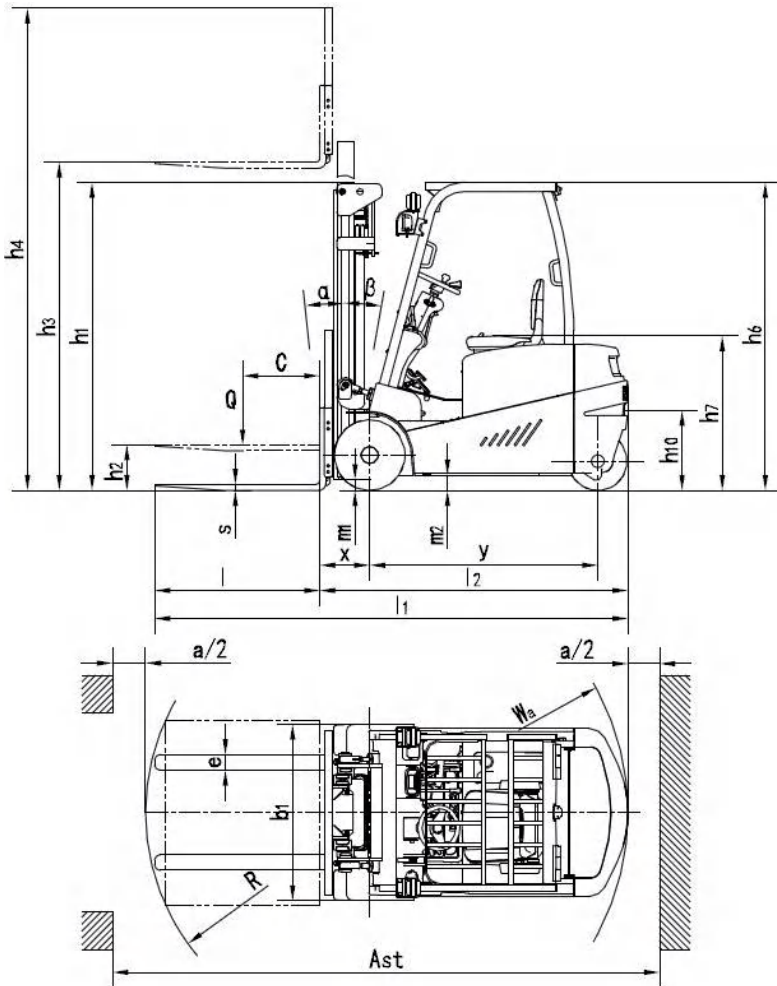
- Energy consumption >30% lower
- Enclosed sealed design, maintenance free
- LiFePO4 battery is more safer
- 5 years warranty, battery life up to 10 years
- Fast charging, 2 hours can be fully charged, no backup battery required
- Non-toxic and non-polluting, meets RoHS



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

Standard				
1.1	Model		TKC16	TKC20
1.2	Power Type		Battery	Battery
1.3	Operation Type		Seated	Seated
1.4	Load Capacity	Q(kg)	1600	2000
1.5	Load Center	C(mm)	500	500
1.6	Front Overhand	x(mm)	340	345
1.7	Wheelbase	y(mm)	1480	1480
Weight				
2.1	Service weight(incl.battery)	kg	3050	3200
Type				
3.1	Wheel type, drive side/load side		Solid tire	Solid tire
3.2	Loading wheel	in	15×4.5-8	15×4.5-8
3.3	Driving wheel	in	18×7-8	200/50-10
3.4	Types, front/rear		2x/2	2x/2
3.5	Tread, drive	b10(mm)	1080	1050
3.6	Tread, road	b11(mm)	180	180
Size				
4.1	Gantry tilt range, front/rear		α/β(°)	6/6
4.2	Height of mast closed		h1(mm)	1995
4.3	Full free lifting height		h2(mm)	140
4.4	Lifting height		h3(mm)	3000
4.5	Height of mast open		h4(mm)	4030
4.6	Overhead guard height		h6(mm)	2000
4.7	Seat height		h7(mm)	1055
4.8	Overall length		L1(mm)	3090
4.9	Length to fork face		L2(mm)	2020
4.10	Overall width		b1/b2(mm)	1250
4.11	Fork Dimensions		l/e/s(mm)	1070/100/35
4.12	Installation level		2A	2A
4.13	Fork carriage width		b3(mm)	1040
4.14	Width across forks		b5(mm)	222-1000
4.15	Mast clearance		m1(mm)	90
4.16	Body clearance		m2(mm)	100
4.17	Aisle width for pallet 1000*1200 crossway		Ast(mm)	3350
4.18	Turning radius		Wa(mm)	1660
Performance				
5.1	Driving speed(load/unload)		km/h	12/13
5.2	Lifting speed(load/unload)		mm/s	260/340
5.3	Max.climbing ability(S2-5min)		%(tanθ)	12/14
5.4	Brake type		Hydraulic	Hydraulic
Drive				
6.1	Driving motor(S2-60min)		kw	AC4.8×2
6.2	Lifting motor,(S3-15%)		kw	AC8.6
6.3	Battery Voltage/capacity		V/Ah	48/400
6.4	Battery weight		kg	645
Optional				
7.1	Lithium battery configuration		V/Ah	48/300
				48/460

## 2D View



## Load Chart

