

HELI

Standard configuration

Wide view standard mast
Standard fork
Class II standard carriage
Three-spool control valve
Battery
Standard seat
Overhead guard
LED combined display
Super elastic solid tires
Traction pin
Automatic turning deceleration device
Front combined lights (headlights and turning lights)
Brake lights (rear lights)
Warning lights
Reversing buzzer
Load guard
Inner spherical mirror

Optional

Without forks
Hook-on Sideshifter
Class II Sideshifter
Non-marking tires(white)
Lengthened forks
Auxiliary hydraulic component
Seat armrest
Multipilot
Dupilot

1.6t**M series Three Wheel
AC Electric Forklift Truck****HELI****M SERIES 1.6t****Lateral battery exchange-Save operation time**

- Various of battery replacement methods: the battery can be removed from the side or lifted out from the top.

Safety

- Multiple oil disk brakes act as a safety back-up. Wear-free and fully enclosed.
- Curve Control automatically reduces travel speed when cornering.

**Intelligent electronics
(Intelligent control technology)**

- The display control panel controls all functions in vehicles in real time.
- Can choose five different applications to adapt to different conditions.
- The LED display shows working hours, battery power, lifting disconnect, time, error code and warnings.
- Indicate the current position of the steering wheel



2 inch display (standard)

4 inch display (optional)



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Fingertip Operation -Reduce fatigue, improve efficiency

Standard

Optional

- All hydraulic function can be controlled by fingertips, minimizing hand and arm movements.
- Easy control of integrated horn & direction switch in one hand
- Electronic proportional hydraulic control valve, more sensitive and precise control.

Ergonomic design cab

- The forklift operation status can be seen through the color display at a glance
- Comfortable suspension seat and armrest (optional).
- 2 USB interface can be used to charge the devices at any time (optional).



ANHUI HELI CO., LTD.
Add / No.688, FangXing Road, Hefei, China
Fax / +86-551-63639666

Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East);
63639530(Key Accounts Division); 63662105(Wheel loader)

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* Our products are subject to improvements and changes without notice.

M SERIES 1.6t

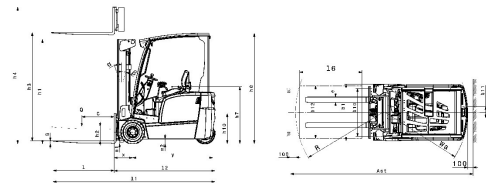
1.6t M series Three Wheel AC Electric Forklift Truck



Manufacturer's Data and Design Characteristics

Identification					
1.1	Manufacturer (short form)				Jungheinrich
1.2	Model				EGM 216k
1.3	Drive				Electrics
1.4	Manual, pedestrian, stand-on, seated, order picker operation				Seated
1.5	Load capacity/rated load	Q	kg		1600
1.6	Load centre distance	c	mm		500
1.8	Load distance	x	mm		352
1.9	Wheelbase	y	mm		1357
Weights					
2.1	Net weight incl. battery (see row 6.5)		kg		3310
2.2	Axle load, w. load, front / rear		kg		4210/700
2.3	Axle load, w.o. load, front / rear		kg		1616/1694
Wheels / chassis					
3.1	Tyres			SE/SE	
3.2	Tyre size, at front		mm		18x7-8
3.3	Tyre size, at rear		mm		140/55-9
3.5	Wheels number, front/rear [X = driven wheels]				2x2
3.6	Track width, front		mm		904
3.7	Track width, rear	b10	mm		904
		b11	mm		211
Basic dimensions					
4.1	Tilt of mast/fork carriage forward/backward	α/β	°		7/5
4.2	Mast height (lowered)	h1	mm		2000
4.3	Free lift height	h2	mm		150
4.4	Lift height	h3	mm		3000
4.5	Extended mast height	h4	mm		4220
4.7	Height of overhead guard	h6	mm		2080
4.8	Seat height/stand height	h7	mm		1030
4.12	Coupling height	h10	mm		560
4.12.1	Coupling 2 height		mm		0
4.19	Overall length	l1	mm		2899
4.2	Length incl. back of forks	l2	mm		1899
4.21	Total width	b1/b2	mm		1060
4.22	Fork dimensions	s/e/l	mm		40/100/1000
4.23	Fork carriage ISO 2328, class/type A, B	2A			
4.24	Fork carriage width	b3	mm		980
4.31	Floor clearance with load under mast	m1	mm		97
4.32	Floor clearance centre wheelbase	m2	mm		90
4.33	Aisle width for pallets 1000 x 1200 sideways	Ast	mm		2224
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm		3348
4.35	Turning radius	Wa	mm		1545
4.36	Smallest pivot point distance	b13	mm		0
Performance data					
5.1.1	Standard Travel speed, w. / w.o. load		km/h		16/16
5.1.2	Plus Travel speed, w. / w.o. load		km/h		17/17 (note 1)
5.2.1	Standard Lift speed, w. / w.o. load		m/s		0.43/0.66
5.2.2	Plus Lift speed, w. / w.o. load		m/s		0.57/0.82 (note 1)
5.3	Lower speed, w. / w.o. load		m/s		0.55/0.55
5.5	Drawbar pull w. / w.o. load		N		2150/2450
5.6	Max. drawbar pull w. / w.o. load		N		13500/13500
5.7	Gradeability laden/unladen		%		12/0
5.8	Max. gradeability laden/unladen		%		24/35
5.9.1	Standard Acceleration laden/unladen		s		4/3.8
5.9.2	Plus Acceleration laden/unladen		s		3.5/3.1 (note 1)
5.10	Service brake				Hydraulic/Mechanic
Electrics					
6.1	Drive motor, output 53 min.		kW		4.6/4.6
6.2	Lift motor, output at 53 15%		kW		15.5
6.3	Battery according to DIN 43531/35/36 A,B,C, no				DIN 43531 A
6.4	Battery voltage/nominal capacity K5		V/kAh		48/150
6.5	Battery weight		kg		856
6.6	Energy consumption according to VDI cycle		kWh/h		4.3 (note 2)
Misc.					
8.1	Type of drive control				MP/AC
8.2	Working pressure for attachments		bar		200
8.3	Oil flow for attachments		l/min		25
8.4	Sound pressure level at operator's ear as per EN 12053		dB (A)		72
8.5	Trailer coupling, model/type DIN				DIN 15170 H

Note: 1. Plus is option. 2. @ 100 working cycle per hour. The data based on the VDI standard 2198 only marks the technical parameters of the standard model. non-standard lines, different mast types and ancillary devices will change the data above. Heli reserves the right to improvements and technology updates.



WIDE VIEW MAST

Mast model	Max. lifting height (mm)	Load capacity (load centre 500mm)(kg)	Mast overall height (fork to the ground)(mm)	Free lifting height (mm)	Mast tilt angle (Deg.) α/β
M300	3000	1600	2000	150	7/5
M330	3300	1600	2150	150	7/5
M360	3600	1600	2300	150	7/5
M400	4000	1600	2500	150	7/5
M450	4500	1500	2800	150	7/5
M500	5000	1400	3050	150	7/5

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load centre 500mm)(kg)	Mast overall height (fork to the ground)(mm)	Free lifting height (mm)	Mast tilt angle (°) α/β
ZM330	3300	1600	2105	1545	7/5
ZM360	3600	1600	2255	1695	7/5
ZM400	4000	1600	2455	1895	7/5

配置货叉架自由提升高度减小95mm, Free lifting height 65mm decreased with backward.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load centre 500mm)(kg)	Mast overall height (fork to the ground)(mm)	Free lifting height (mm)	Mast tilt angle (°) α/β
ZSM450	4500	1550	2005	1445	7/5
ZSM480	4800	1500	2155	1545	7/5
ZSM500	5000	1400	2180	1620	7/5
ZSM550	5500	1250	2355	1795	7/5
ZSM600	6000	1000	2555	1995	7/5
ZSM650	6500	800	2805	2245	7/5

配置货叉架自由提升高度减小95mm, Free lifting height 65mm decreased with backward.