

Standard configuration Optional

- | | |
|---|-------------------------------|
| Wide view standard mast | Without forks |
| Standard fork | Hook-on Sideshifter |
| Class II standard carriage | Integral Sideshifter |
| Three-spool control valve | Non-marking tires(white) |
| Battery | Lengthened forks |
| Standard seat | Auxiliary hydraulic component |
| Overhead guard | Seat armrest |
| LED combined display | Multipilot |
| Super elastic solid tires | Duopilot |
| 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 | |

1.6t

M series Three Wheel
AC Electric Forklift Truck



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.

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).

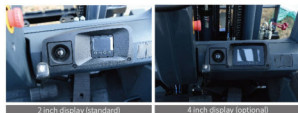
Fingertip Operation -Reduce fatigue, improve efficiency



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

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



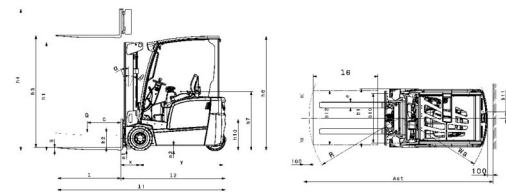
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Manufacturer's Data and Design Characteristics

Identification				Jungheinrich	
1.1	Manufacturer (short form)				EFG MB 215k
1.2	Model				Electrics
1.3	Drive				Seat
1.4	Manual, pedestrian, stand-on, seated, order picker operation				1600
1.5	Load capacity/rated load	Q	kg	500	352
1.6	Load centre distance	c	mm	242	1357
1.8	Load distance	x	mm	3310	4210/700
1.9	Wheelbase	y	mm	1616/1694	SE/SE
Weights					
2.1	Net weight incl. battery (see row 6.5)		kg	18x7-8	140/55-9
2.2	Axle load, w. load, front / rear		kg	242	904
2.3	Axle load, w.o. load, front / rear		kg	211	211
Wheels / chassis					
3.1	Tyres				SE/SE
3.2	Tyre size, at front		mm	18x7-8	140/55-9
3.3	Tyre size, at rear		mm	140/55-9	
3.5	Wheels number, front/rear (X = driven wheels)			242	904
3.6	Track width, front	b10	mm	211	211
3.7	Track width, rear	b11	mm	211	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	1050	
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	3224	
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	N	2150/2450	
5.6	Max. drawbar pull w. / w.o. load	N	N	13500/13500	
5.7	Gradeability laden/unladen	%	%	12/20	
5.8	Max. gradeability laden/unladen	%	%	24/25	
5.9.1	Standard Acceleration laden/unladen	s	s	4/3.8	
5.9.2	Plus Acceleration laden/unladen			3.5/3.1 (note 1)	
5.10	Service brake			Hydraulic/Mechanic	
Electrics					
6.1	Drive motor, output S2 60 min.		kW	4,6/4,6	
6.2	Lift motor, output at S3 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/Ah	48/625	
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			直流/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, 45 VDI working cycle per hour.
This data based on the VDI standard 2198 only marks the technical parameters of the standard model; non-standard tires, different mast types and ancillary devices will change the data above. HELI reserves the right to improvements and technology update.



WIDE VIEW MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 500mm)(kg)	Mast overall height (fork to the ground)(mm)	Free lifting height (mm)	Mast tilt angle (°) 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 center 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

配置前叉架的自由起升高度为165mm, Free lifted height 65mm decreased with backset.

WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. lifting height (mm)	Load capacity (load center 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	2105	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

配置前叉架的自由起升高度为165mm, Free lifted height 65mm decreased with backset.