



Electric three-wheel counterbalanced forklift truck

EFG MB 216k / 218k / 220

Lifting height: 3,000-6,500 mm / Load capacity: 1,600-2,000 kg

The EFG MB series is a highly-versatile truck designed for a wide range of transporting and stacking operations.

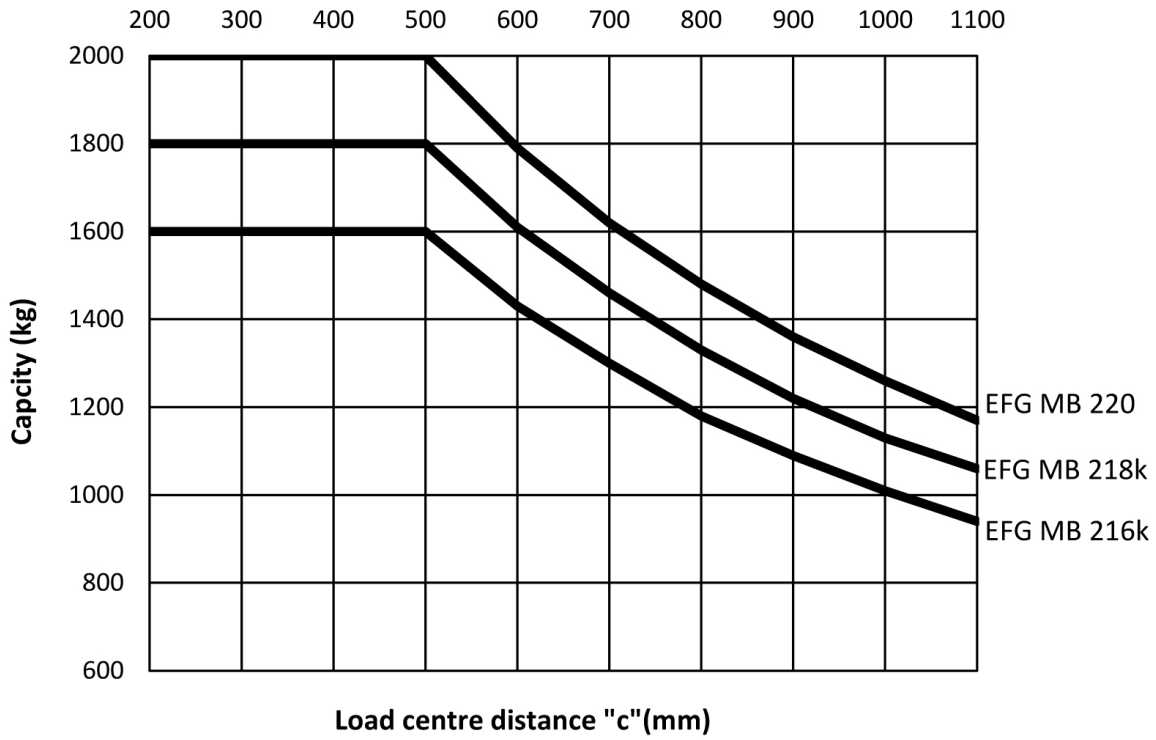
Equipped with the newest 3-phase AC technology, the EFG MB can operate up to a maximum of 2 shifts with 1 single charge. With excellent performance values for acceleration, travel and lift speed, the EFG MB is engineered to offer the highest level of energy efficiency. The vertical and side-battery exchange possibilities boost overall productivity and give maximum flexibility, especially in 3-shift operations.

For side-battery exchange, only a pallet mover is required to remove the battery.

The excellent mast visibility of the EFG MB offers operators an expanded field of vision. Thanks to the lowered position dashboard design, the front view visibility of the operator is also optimized.

Overall, the EFG MB offers outstanding performance and efficiency with lower total cost of ownership.

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EFG MB 216k	Lifting height (h3)	Height mast retracted (h1)	Free lift (h2)	Height mast extended (h4)	Tilt mast forward / backward
double-mast ZT	3000 mm	2000 mm	150 mm	3555 mm	7° / 5°
	3300 mm	2150 mm	150 mm	3855 mm	7° / 5°
	3600 mm	2300 mm	150 mm	4155 mm	7° / 5°
	4000 mm	2500 mm	150 mm	4555 mm	7° / 5°
	4500 mm	2800 mm	150 mm	5055 mm	7° / 5°
	5000 mm	3050 mm	150 mm	5555 mm	7° / 5°
double-mast ZZ	3300 mm	2105 mm	1545 mm	3855 mm	7° / 5°
	3600 mm	2255 mm	1695 mm	4155 mm	7° / 5°
	4000 mm	2455 mm	1895 mm	4555 mm	7° / 5°
triple-mast DZ	4500 mm	2005 mm	1445 mm	5055 mm	7° / 5°
	4800 mm	2105 mm	1545 mm	5355 mm	7° / 5°
	5000 mm	2180 mm	1620 mm	5555 mm	7° / 5°
	5500 mm	2355 mm	1795 mm	6055 mm	7° / 5°
	6000 mm	2555 mm	1995 mm	6555 mm	7° / 5°
	6500 mm	2805 mm	2245 mm	7055 mm	7° / 5°
EFG MB 218k, EFG MB 220	Lifting height (h3)	Height mast retracted (h1)	Free lift (h2)	Height mast extended (h4)	Tilt mast forward / backward
double-mast ZT	3000 mm	2000 mm	150 mm	3555 mm	7° / 5°
	3300 mm	2150 mm	150 mm	3855 mm	7° / 5°
	3600 mm	2300 mm	150 mm	4155 mm	7° / 5°
	4000 mm	2500 mm	150 mm	4555 mm	7° / 5°
	4500 mm	2800 mm	150 mm	5055 mm	7° / 5°
	5000 mm	3050 mm	150 mm	5555 mm	7° / 5°
double-mast ZZ	3300 mm	2105 mm	1488 mm	3855 mm	7° / 5°
	3600 mm	2255 mm	1638 mm	4155 mm	7° / 5°
	4000 mm	2455 mm	1838 mm	4555 mm	7° / 5°
triple-mast DZ	4500 mm	2005 mm	1388 mm	5055 mm	7° / 5°
	4800 mm	2105 mm	1488 mm	5355 mm	7° / 5°
	5000 mm	2180 mm	1563 mm	5555 mm	7° / 5°
	5500 mm	2355 mm	1738 mm	6055 mm	7° / 5°
	6000 mm	2555 mm	1938 mm	6555 mm	7° / 5°
	6500 mm	2805 mm	2188 mm	7055 mm	7° / 5°

VDI table

Mark	1.1	Manufacturer (short name)		Jungheinrich		
	1.2	Type symbol of the manufacturer		EFG MB		
	1.3	Drive		electric		
	1.4	Service		Seat		
	1.5	Load capacity	Q kg	1,600	1,800	2,000
	1.6	Load center	c mm	500		
	1.8	Load distance	x mm	352		
	1.9	Wheelbase	y mm	1,357		1,465
	Weights	2.1.1	Dead weight (including battery)	kg	3,310	3,327
2.2		Axle load with load front / rear	kg	4,210 / 700	4,490 / 637	4,894 / 743
2.3		Axle load without load front / rear	kg	1,616 / 1,694	1,564 / 1,763	1,728 / 1,909
Wheels / Suspension	3.1	Tires		SE		
	3.2	Tire size, front		18*7-8	200/50-10	
	3.3	Tire size, rear		140/55-9		140-55-9
	3.5	Wheels, number front / rear (x = driven)		2*/2		
	3.6	Gauge, in front	b ₁₀ mm	904	924	
	3.7	Gauge, rear	b ₁₁ mm	211		
	Basic dimensions	4.1	Tilt mast forward / backward	a/β °	7 / 5	
4.2		Height mast retracted (h1)	h ₁ mm	2,060	2,067	
4.3		Free lift (h2)	h ₂ mm	150		
4.4		Lifting height (h3)	h ₃ mm	3,000		
4.5		Height mast extended (h4)	h ₄ mm	3,590	3,612	
4.7		Height of protective roof (cabin)	h ₆ mm	2,080		
4.8		Seat height / standing height	h ₇ mm	1,030		
4.12		Coupling height	h ₁₀ mm	560		
4.12.1		2. coupling height	mm	0		
4.19		Overall length	l ₁ mm	2,899	3,007	
4.20		Length including fork back	l ₂ mm	1,899	2,007	
4.21		Overall width	b ₁ /b ₂ mm	1,060	1,120	
4.22		Fork dimensions	s/e/l mm	40 / 100 / 1,000		
4.23		Connection class		2A		
4.24		Fork carriage width	b ₃ mm	980		
4.31		Ground clearance with load under mast	m ₁ mm	97		
4.32		Ground clearance center wheelbase	m ₂ mm	90		
4.34		Working width at pallet 1000 x 1200 cross	Ast mm	3,224	3,332	
4.34.1		Working width for pallet 800 x 1200 along	Ast mm	3,348	3,456	
4.35		Turning radius	W _a mm	1,545	1,653	
4.36	Smallest pivot distance	b ₁₃ mm	0			
Performance data	5.1	Driving speed with / without load	km/h	16 / 16		
	5.2	Lifting speed with / without load	m/s	0.43 / 0.66	0.40 / 0.52	0.38 / 0.52
	5.3	Lowering speed with / without load	m/s	0.55 / 0.55		
	5.5	Traction with / without load	N	2.150 / 2.450	2.000 / 2.300	1.900 / 2.300
	5.6	Max. Traction with / without load	N	13.500 / 13.500		
	5.7	Gradeability with / without load	%	12 / 20		
	5.8	Max. Climbing ability with / without load	%	24 / 35	23 / 35	22 / 35
	5.9	Acceleration time with / without load	s	4 / 3.8	4.3 / 4	4.5 / 4
	5.10	Service brake		mechanical		
	6.1	Traction motor, power S2 60 min	kW	4.6		

Electric motor / Electronics	6.1.1	2nd traction motor, power S2 60 min	kW	4.6		
	6.2	Lifting motor, power at S3	kW	15.5		
	6.3	Battery according to DIN 43531/35/36		DIN 43531 A		
	6.4	Battery voltage / nominal capacity	V / Ah	48 / 625		48 / 750
	6.5	Battery weight	kg	856		1.013
	6.7	Throughput	t/h	118	130	138
	6.8	Energy consumption at max. Throughput	kWh/h	6.2	6.4	6.6
	Miscellaneous	8.1	Type of driving control		Pulse / AC	
10.1		Working pressure for attachment	bar	200		
10.2		Oil flow for attachments	l/min	25		
10.7		Sound pressure level according to EN12053, driver's tube	dB (A)	72		
10.8		Towbar, type / type DIN		DIN 15170 H		

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The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**

The Jungheinrich logo, featuring a red upward-pointing arrow above the word 'JUNGHEINRICH' in a bold, black, sans-serif font.