



Electric three-wheel counterbalance forklift truck

EFG BB 216k

Lift height: 3000-6500 mm / Load capacity: 1600 kg

Technical drawing of a forklift showing dimensions and labels. The drawing includes the following labels and dimensions:

- Dimensions:**
 - h_4 : Total height from the ground to the top of the mast.
 - h_3 : Height from the ground to the top of the mast when the forks are lowered.
 - h_1 : Height from the ground to the top of the mast when the forks are raised.
 - h_6 : Height from the ground to the top of the operator's platform.
 - h_7 : Height from the ground to the top of the rear counterweight.
 - h_{10} : Height from the ground to the top of the rear counterweight.
 - $80_{\pm 0}$: Ground level reference dimension.
 - 1 : Distance from the front of the mast to the front axle.
 - x : Distance from the front axle to the rear axle.
 - y : Distance from the rear axle to the rear of the counterweight.
 - 11 : Total wheelbase (distance between front and rear axles).
 - 12 : Distance from the rear axle to the rear of the counterweight.
- Labels:**
 - ω : Angle of the mast tilt.
 - α : Angle of the mast tilt.
 - β : Angle of the mast tilt.
 - γ : Angle of the mast tilt.
 - δ : Angle of the mast tilt.
 - ϵ : Angle of the mast tilt.
 - ζ : Angle of the mast tilt.
 - η : Angle of the mast tilt.
 - θ : Angle of the mast tilt.
 - φ : Angle of the mast tilt.
 - ψ : Angle of the mast tilt.
 - ω : Angle of the mast tilt.
 - α : Angle of the mast tilt.
 - β : Angle of the mast tilt.
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 - φ : Angle of the mast tilt.
 - ψ : Angle of the mast tilt.



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EFG BB 216k	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast
Duplex 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 °
Duplex mast ZZ	3300 mm	2105 mm	1470 mm	3855 mm	7 / 5 °
	3600 mm	2255 mm	1620 mm	4155 mm	7 / 5 °
	4000 mm	2455 mm	1820 mm	4555 mm	7 / 5 °
Triplex mast DZ	4500 mm	2005 mm	1360 mm	5055 mm	7 / 5 °
	4800 mm	2105 mm	1460 mm	5355 mm	7 / 5 °
	5000 mm	2180 mm	1530 mm	5555 mm	7 / 5 °
	5500 mm	2355 mm	1710 mm	6055 mm	7 / 5 °
	6000 mm	2555 mm	1910 mm	6555 mm	7 / 5 °
	6500 mm	2805 mm	2160 mm	7055 mm	7 / 5 °

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich
	1.2	Manufacturer's type designation		EFG BB 216k
	1.3	Drive type		electric
	1.4	Operation		Seat
	1.5	Load capacity/load	Q kg	1600
	1.6	Load centre distance	c mm	500
	1.8	Load distance, centre of drive axle to fork	x mm	352
	1.9	Wheelbase	y mm	1357
Weights	2.1.1	Service weight (incl. battery)	kg	3044
	2.2	Axle load laden front/rear	kg	4102 / 544
	2.3	Axle load unladen front/rear	kg	1473 / 1571
Wheels/chassis	3.1	Tyres		Super-elastic (SE)
	3.2	Tyre size, front		18 x 7 - 8
	3.3	Tyre size, rear		140 / 55 - 9
	3.5	Wheels, number front/back (x=driven)		2x / 2
	3.6	Tread width, front	b10 mm	904
	3.7	Tread width, rear	b11 mm	211
Basic dimensions	4.1	Forward/backward tilt of mast	a/β °	7 / 5
	4.2	Retracted mast height (h1)	h1 mm	2000
	4.2.1	Total height	h15 mm	2080
	4.3	Free lift (h2)	h2 mm	150
	4.4	Lift (h3)	h3 mm	3000
	4.5	Extended mast height (h4)	h4 mm	3555
	4.7	Height of overhead guard (cab)	h6 mm	2080
	4.8	Seat height/stand height	h7 mm	1030
	4.12	Coupling height	h10 mm	560
	4.12.1	2. Coupling height	mm	0
	4.19	Total length	l1 mm	2899
	4.20	Length including fork shank	l2 mm	1899
	4.21.1	total width	b1 mm	1060
	4.22	Fork dimensions	s/e/l mm	40 x 100 x 1000
	4.23	Fork carriage connection class		2A
	4.24	Fork carriage width	b3 mm	980
	4.31	Ground clearance laden under mast	m1 mm	97
	4.32	Ground clearance centre of wheelbase	m2 mm	88
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	3224
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	3348
	4.35	Turning radius	Wa mm	1545
	4.36	Smallest pivot point distance	b13 mm	0

Performance data	5.1	Travel speed laden/unladen	km/h	15 / 15
	5.2	Lift speed laden/unladen	m/s	0.43 / 0.53
	5.3	Lowering speed laden/unladen	m/s	0.51 / 0.55
	5.5	Drawbar pull laden	N	1300
	5.6	Max. drawbar pull laden/unladen	N	9000 / 9400
	5.7	Gradeability laden/unladen	%	6.5 / 14
	5.8	Max. gradeability laden/unladen	%	13.5 / 16
	5.9	Acceleration time laden/unladen	s	5.5 / 5
	5.10	Service brake		mechanical/hydraulic
Electric motor/electronics	6.1	Drive motor, performance S2 60 min	kW	3.7
	6.1.1	2. Drive motor, performance S2 60 min	kW	3.7
	6.2	Lift motor, performance with S3	kW	10
	6.3	Battery according to DIN 43531/35/36		DIN 43531 A
	6.4	Battery voltage/nominal capacity	V / Ah	48 / 500
	6.5	Battery weight	kg	708
	6.6.1	Energy consumption according to EN cycle	kWh/h	4.25
	6.6.2	CO2 equivalent as per EN 16796	kg/h	2.3
	6.7	Throughput	t/h	113
	6.8.1	Energy consumption with max. throughput	kWh/h	5.13
Other	8.1	Type of drive control		Impulse/AC
	10.1	Operating pressure for attachment	bar	230
	10.2	Oil flow for attachments	l/min	24
	10.7	Sound pressure level according to EN12053	dB (A)	75
	10.8	Trailer coupling, model/type DIN		Bolts
- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.				

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified as well as our Genuine Parts
Center in Kaltenkirchen.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**