



Electric four wheel counterbalance forklift truck

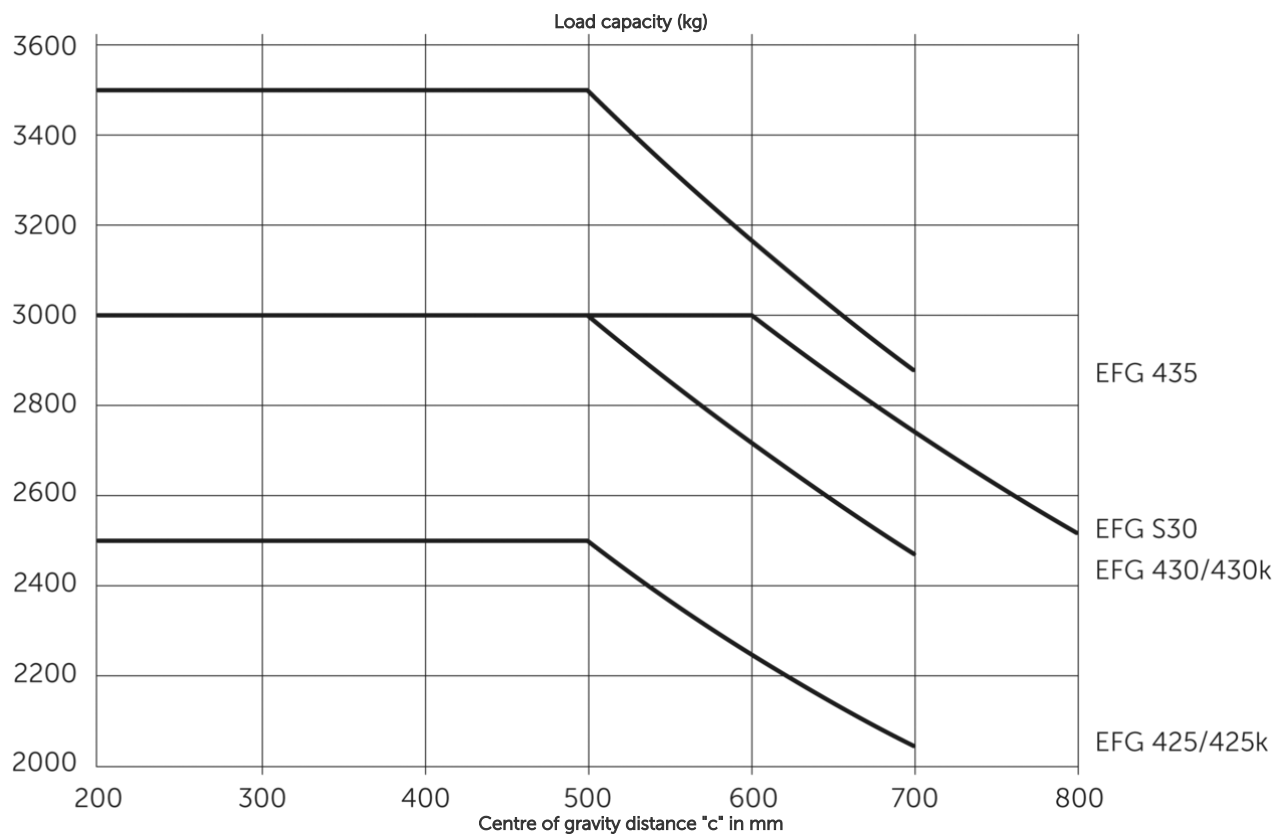
EFG 425-435

Lift height: 2900-7500 mm / Load capacity: 2500-3500 kg



EFG 425-435





EFG 425-435

EFG 425k, EFG 425	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast
Duplex mast ZT	2900 mm	2125 mm	150 mm	3500 mm	6 / 8 °
	3100 mm	2225 mm	150 mm	3700 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2190 mm	1600 mm	3690 mm	6 / 8 °
Triplex mast DZ	4400 mm	2090 mm	1500 mm	4990 mm	6 / 8 °
	4700 mm	2190 mm	1600 mm	5290 mm	6 / 8 °
EFG 430k, EFG 430, EFG S30	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast
Duplex mast ZT	2900 mm	2122 mm	150 mm	3657 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2187 mm	1450 mm	3837 mm	6 / 8 °
Triplex mast DZ	4400 mm	2087 mm	1350 mm	5137 mm	6 / 8 °
	4700 mm	2187 mm	1450 mm	5437 mm	6 / 8 °
EFG 435	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast
Duplex mast ZT	2900 mm	2152 mm	150 mm	3686 mm	6 / 8 °
	3100 mm	2252 mm	150 mm	3886 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2217 mm	1451 mm	3866 mm	6 / 8 °
Triplex mast DZ	4400 mm	2117 mm	1351 mm	5166 mm	6 / 8 °
	4700 mm	2217 mm	1451 mm	5466 mm	6 / 8 °

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich					
	1.2	Manufacturer's type designation		EFG 425k	EFG 425	EFG 430k	EFG 430	EFG S30	EFG 435
	1.3	Drive		Electric					
	1.4	Operation		Seat					
	1.5	Load capacity/load	Q kg	2500		3000			3500
	1.6	Load centre distance	c mm	500				600	500
	1.8	Load distance, centre of drive axle to fork	x mm	442		447			
	1.9	Wheelbase	y mm	1595	1740	1595	1745		
Weights	2.1.1	Service weight (incl. battery)	kg	4691	4642	5298	5143	5435	5664
	2.2	Axle load laden front/rear	kg	6414 / 776	6466 / 676	7404 / 895	7395 / 748	7605 / 829	8239 / 926
	2.3	Axle load unladen front/rear	kg	2419 / 2272	2595 / 2047	2594 / 2704	2741 / 2402	2771 / 2664	2805 / 2859
Wheels/suspension system	3.1	Tyres		Super-elastic (SE)					
	3.2	Tyre size, front		225/75-10		250/60-12		315/45-12	
	3.3	Tyre size, rear		180/70-8		200/50-10	180/70-8	200/50-10	
	3.5	Wheels, number front/back (x=driven)				2x / 2			
	3.6	Tread width, front	b10 mm	990		950		1000	
	3.7	Tread width, rear	b11 mm	940					
Basic dimensions	4.1	Forward/backward tilt of mast	a/β °	6 / 8					
	4.2	Retracted mast height (h1)	h1 mm	2325		2322			2352
	4.3	Free lift (h2)	h2 mm	150					
	4.4	Lift (h3)	h3 mm	3300					
	4.5	Extended mast height (h4)	h4 mm	3900		4057			4086
	4.7	Height of overhead guard (cab)	h6 mm	2240					
	4.8	Seat height/stand height	h7 mm	1226					
	4.12	Coupling height	h10 mm	380					
	4.12.1	2. Coupling height	mm	530					
	4.19	total length	l1 mm	3484	3632	3489	3637		
	4.20	Length including fork shank	l2 mm	2334	2482	2339	2487		
	4.21.1	total width	b1 mm	1200				1300	
	4.22	Fork dimensions	s/ e/l mm	40 x 100 x 1150		45 x 125 x 1150			
	4.23	Fork carriage connection class		2A		3A			
	4.24	Fork carriage width	b3 mm	1120					
	4.31	Ground clearance laden under mast	m1 mm	110					
	4.32	Ground clearance centre of wheelbase	m2 mm	135					
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	3722	3872	3727	3877		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	3922	4072	3927	4077		
	4.35	Turning radius	Wa mm	2080	2230	2080	2230		
	4.36	Smallest pivot point distance	b13 mm	580	630	580	630		

Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	17 / 17 20 / 20					
	5.2	Lift speed laden/unladen (Efficiency liftPLUS)	m/s	0.58 / 0.62 0.64 / 0.68		0.5 / 0.52 0.57 / 0.63		0.44 / 0.51 0.5 / 0.53	
	5.3	Lowering speed laden/unladen (Efficiency liftPLUS)	m/s	0.59 / 0.62 0.59 / 0.62		0.58 / 0.64 0.58 / 0.64		0.56 / 0.59 0.56 / 0.59	
	5.5	Drawbar pull laden/unladen (Efficiency drivePLUS)	N	8000 / 8000 10000 / 10000		7000 / 7000 10000 / 10000			
	5.6	Max. drawbar pull laden/unladen (Efficiency drivePLUS)	N	16000 / 16000 19500 / 18600	16000 / 16000 19500 / 19500				
	5.7	Gradeability laden/unladen (Efficiency drivePLUS)	%	12 / 18 19 / 30		10 / 15 16 / 25		10 / 15 14 / 23	
	5.8	Max. gradeability laden/unladen (Efficiency drivePLUS)	%	18 / 28 27 / 34	18 / 28 27 / 38	18 / 28 22 / 33		17 / 28 20 / 33	
	5.9	Acceleration time laden/unladen (Efficiency drivePLUS)	s	6.1 / 5.7 5.3 / 5		6.1 / 5.4 5.5 / 5		6.4 / 5.5 5.6 / 5.1	
	5.10	Service brake		Reibbremse (hydraulisch betätigt)					
E-motor/Electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	8.9 11.3					
	6.1.1	2. Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	8.9 11.3					
	6.2	Lift motor, performance with S3 (Efficiency liftPLUS)	kW	19.5 22					
	6.3	Battery according to DIN 43531/35/36		DIN 43536 A					
	6.4	Battery voltage/nominal capacity	V / Ah	80 / 620	80 / 775	80 / 620	80 / 775		
	6.5	Battery weight	kg	1558	1863	1558	1863		
	6.6.1	Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	6.2 6.2		7.2 7.2	7.1 7.1	7.4 7.4	8.1 8.3
	6.6.2	CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	3.4 3.4		3.9 3.9	3.8 3.8	4 4	4.4 4.5
	6.7	Throughput (Efficiency PLUS)	t/h	173 188		204 219		201 219	224 238
	6.8	Turnover efficiency according to VDI 2198 (Efficiency PLUS)	t/kWh	22.2 20		22.9 21.3		22.8 21.3	24.3 22.2
6.8.1	Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	7.8 9.4		8.9 10.3		8.8 10.3	9.2 10.7	
Other	8.1	Type of drive control		Impulse/AC					
	10.1	Operating pressure for attachment	bar	240					
	10.2	Oil flow for attachments	l/min	45					
	10.7	Sound level as per EN12053, operator's ear	dB (A)	69					
	10.8	Trailer coupling, model/type DIN		DIN 15170 H					
- 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.									

Please note:

The values specified for the standard truck were determined using Continental tyres. Different tyres on the standard truck 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.

 **JUNGHEINRICH**