



# Electric four wheel counterbalance forklift truck

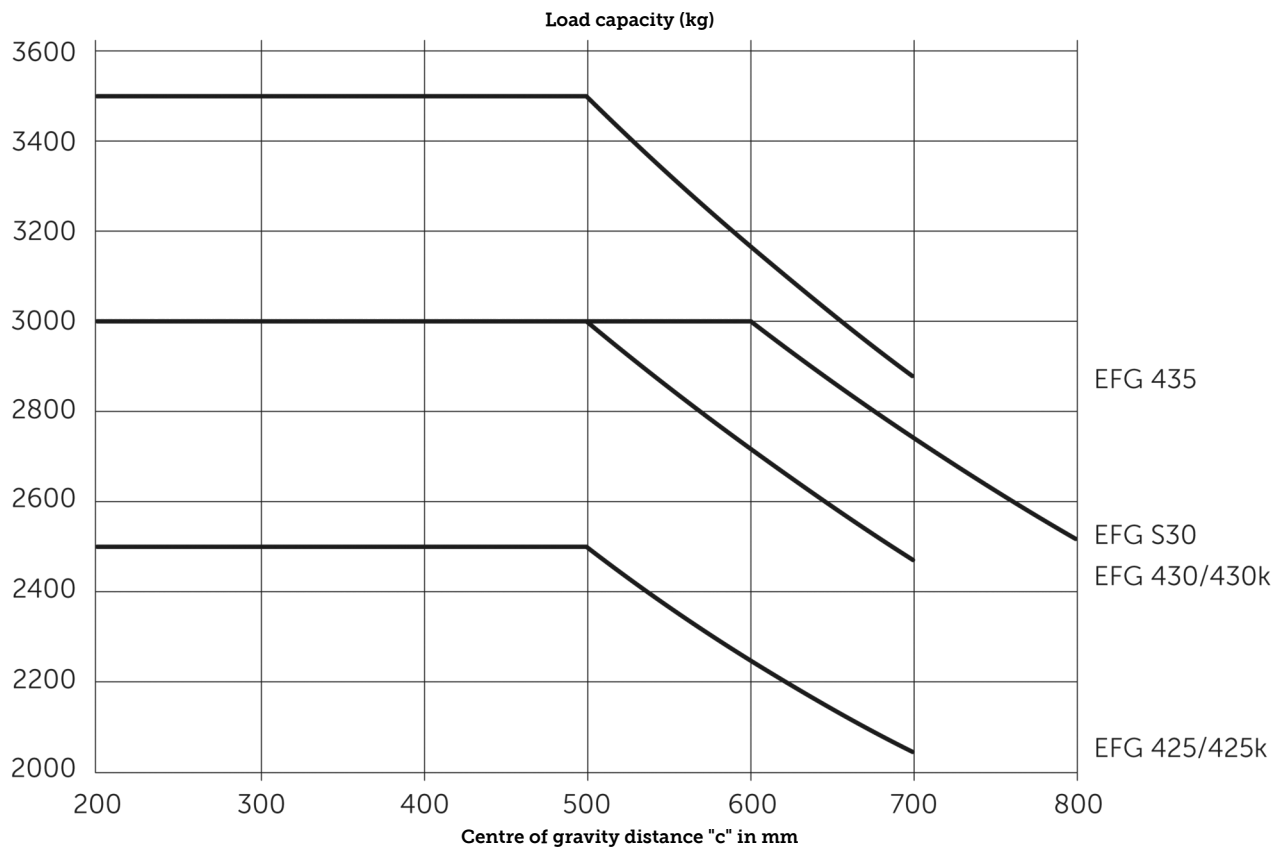
## **EFG 425-435**

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

# EFG 425-435



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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 °
	3300 mm	2325 mm	150 mm	3900 mm	6 / 8 °
	3500 mm	2425 mm	150 mm	4100 mm	6 / 8 °
	3700 mm	2525 mm	150 mm	4300 mm	6 / 8 °
	4000 mm	2675 mm	150 mm	4600 mm	6 / 8 °
	4300 mm	2875 mm	150 mm	4950 mm	6 / 8 °
	4500 mm	2975 mm	150 mm	5150 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2190 mm	1600 mm	3690 mm	6 / 8 °
	3300 mm	2290 mm	1700 mm	3890 mm	6 / 8 °
	3500 mm	2390 mm	1800 mm	4090 mm	6 / 8 °
	3700 mm	2490 mm	1900 mm	4290 mm	6 / 8 °
	4000 mm	2640 mm	2050 mm	4590 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 °
	5000 mm	2290 mm	1700 mm	5590 mm	6 / 8 °
	5500 mm	2490 mm	1900 mm	6090 mm	6 / 8 °
	6000 mm	2690 mm	2100 mm	6590 mm	6 / 8 °
	6500 mm	2890 mm	2300 mm	7090 mm	6 / 8 °
	7000 mm	3090 mm	2500 mm	7590 mm	6 / 8 °
	7500 mm	3290 mm	2700 mm	8090 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 °
	3100 mm	2222 mm	150 mm	3857 mm	6 / 8 °
	3300 mm	2322 mm	150 mm	4057 mm	6 / 8 °
	3500 mm	2422 mm	150 mm	4257 mm	6 / 8 °
	3700 mm	2522 mm	150 mm	4457 mm	6 / 8 °
	4000 mm	2672 mm	150 mm	4757 mm	6 / 8 °
	4300 mm	2872 mm	150 mm	5057 mm	6 / 8 °
	4500 mm	2972 mm	150 mm	5257 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2187 mm	1450 mm	3837 mm	6 / 8 °
	3300 mm	2287 mm	1450 mm	3837 mm	6 / 8 °
	3500 mm	2387 mm	1650 mm	4237 mm	6 / 8 °
	3700 mm	2487 mm	1750 mm	4437 mm	6 / 8 °
	4000 mm	2637 mm	1900 mm	4737 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 °
	5000 mm	2287 mm	1550 mm	5737 mm	6 / 8 °
	5500 mm	2487 mm	1750 mm	6237 mm	6 / 8 °
	6000 mm	2687 mm	1950 mm	6737 mm	6 / 8 °
	6500 mm	2887 mm	2150 mm	7237 mm	6 / 8 °
	7000 mm	3087 mm	2350 mm	7737 mm	6 / 8 °
	7500 mm	3287 mm	2550 mm	8237 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	<b>2900 mm</b>	<b>2152 mm</b>	<b>150 mm</b>	<b>3686 mm</b>	<b>6 / 8 °</b>
	3100 mm	2252 mm	150 mm	3886 mm	6 / 8 °
	3300 mm	2352 mm	150 mm	4086 mm	6 / 8 °
	3500 mm	2452 mm	150 mm	4286 mm	6 / 8 °
	3700 mm	2552 mm	150 mm	4486 mm	6 / 8 °
	4000 mm	2702 mm	150 mm	4786 mm	6 / 8 °
	4300 mm	2902 mm	150 mm	5086 mm	6 / 8 °
	4500 mm	3002 mm	150 mm	5286 mm	6 / 8 °
Duplex mast ZZ	<b>3100 mm</b>	<b>2217 mm</b>	<b>1451 mm</b>	<b>3866 mm</b>	<b>6 / 8 °</b>
	3300 mm	2317 mm	1551 mm	4066 mm	6 / 8 °
	3500 mm	2417 mm	1651 mm	4266 mm	6 / 8 °
	3700 mm	2517 mm	1751 mm	4466 mm	6 / 8 °
	4000 mm	2667 mm	1901 mm	4766 mm	6 / 8 °
Triplex mast DZ	<b>4400 mm</b>	<b>2117 mm</b>	<b>1351 mm</b>	<b>5166 mm</b>	<b>6 / 8 °</b>
	4700 mm	2217 mm	1451 mm	5466 mm	6 / 8 °
	5000 mm	2317 mm	1551 mm	5766 mm	6 / 8 °
	5500 mm	2517 mm	1751 mm	6266 mm	6 / 8 °
	6000 mm	2717 mm	1951 mm	6766 mm	6 / 8 °
	6500 mm	2917 mm	2151 mm	7266 mm	6 / 8 °
	7000 mm	3117 mm	2351 mm	7766 mm	6 / 8 °
	7500 mm	3317 mm	2551 mm	8266 mm	6 / 8 °

# VDI table

Stand-on: 12/2024

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				950	
	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		Mechanical					
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
6.8.1	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	Schalldruckpegel nach EN12053	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.									

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**