



Electric four wheel counterbalanced forklift truck

EFG 425-S30

Lift height: 2900-7500 mm / Capacity: 2500-3000 kg

Our versatile and efficient series 4 electric four-wheel forklifts are ideal for a great variety of indoor and outdoor applications, especially when using tailor-made attachments for industry-specific work orders.

With our technology concept PureEnergy, we provide advanced 3-phase AC technology as well as compact control and hydraulic units that ensure optimal energy and cost efficiency at maximum performance.

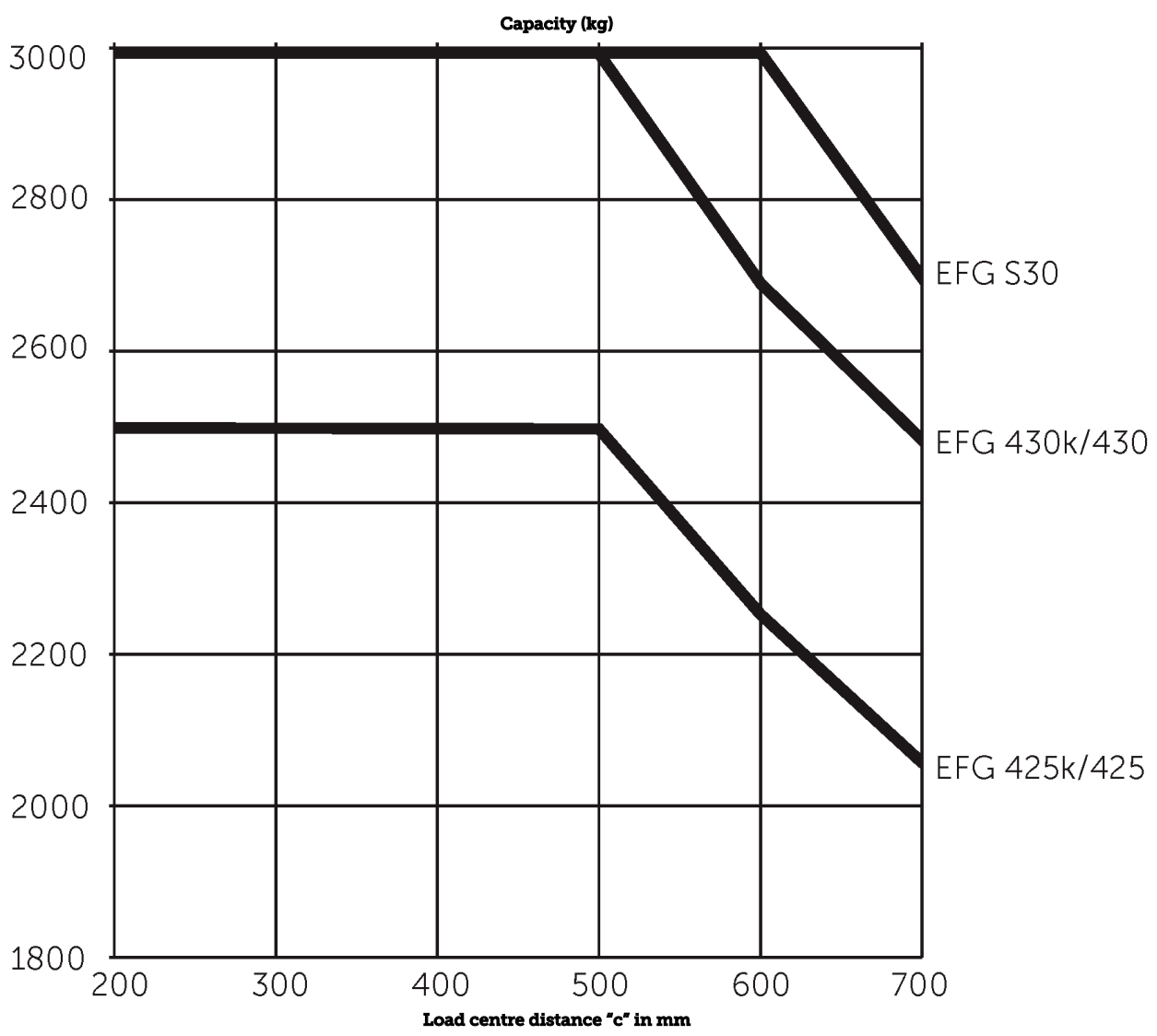
The series 4 EFG trucks offer optimum visibility thanks to the compact lift mast with extended field of vision. Your driver benefits from the standard safety system curveCONTROL as well as from optional assistance systems like liftCONTROL and driveCONTROL for safe driving and high operating comfort.

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

- h_4 : Total height of the mast.
- h_3 : Height of the mast at the top.
- h_1 : Height of the mast at the base.
- h_2 : Height of the mast at the base.
- h_6 : Height of the operator's compartment.
- h_7 : Height of the rear wheel.
- h_{10} : Height of the front wheel.
- Q : Load capacity.
- C : Distance from the load center to the mast.
- s : Distance from the front wheel to the mast.
- m_1 : Mass of the mast.
- m_2 : Mass of the operator's compartment.
- x : Distance from the mast to the front wheel.
- y : Distance from the operator's compartment to the front wheel.
- l : Distance from the front wheel to the mast.
- l_1 : Total length of the forklift.
- l_2 : Distance from the front wheel to the rear wheel.
- 80 : Width of the front wheel.



EFG 425-S30



EFG 425-S30

EFG 425k, EFG 425	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Tilt of mast forwards/backwards
Duplex mast ZT	2900 mm	2125 mm	150 mm	3655 mm	6 ° / 8 °
	3100 mm	2225 mm	150 mm	3855 mm	6 ° / 8 °
	3300 mm	2325 mm	150 mm	4055 mm	6 ° / 8 °
	3500 mm	2425 mm	150 mm	4255 mm	6 ° / 8 °
	3700 mm	2525 mm	150 mm	4455 mm	6 ° / 8 °
	4000 mm	2675 mm	150 mm	4755 mm	6 ° / 8 °
	4300 mm	2875 mm	150 mm	5055 mm	6 ° / 8 °
	4500 mm	2975 mm	150 mm	5255 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 ° / 5.5 °
	5000 mm	2290 mm	1700 mm	5590 mm	6 ° / 5.5 °
	5500 mm	2490 mm	1900 mm	6090 mm	6 ° / 5.5 °
	6000 mm	2690 mm	2100 mm	6590 mm	6 ° / 5.5 °
	6500 mm	2890 mm	2300 mm	7090 mm	6 ° / 3 °
	7000 mm	3090 mm	2500 mm	7590 mm	6 ° / 3 °
	7500 mm	3290 mm	2700 mm	8090 mm	6 ° / 3 °
EFG 430k, EFG 430	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Tilt of mast forwards/backwards
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	1550 mm	4037 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 ° / 5.5 °
	5000 mm	2287 mm	1550 mm	5737 mm	6 ° / 5.5 °
	5500 mm	2487 mm	1750 mm	6237 mm	6 ° / 5.5 °
	6000 mm	2687 mm	1950 mm	6737 mm	6 ° / 5.5 °
	6500 mm	2887 mm	2150 mm	7237 mm	6 ° / 3 °
	7000 mm	3087 mm	2350 mm	7737 mm	6 ° / 3 °
	7500 mm	3287 mm	2550 mm	8237 mm	6 ° / 3 °
EFG S30	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Tilt of mast forwards/backwards
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	1550 mm	4037 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 ° / 5.5 °
	5000 mm	2287 mm	1550 mm	5737 mm	6 ° / 5.5 °
	5500 mm	2487 mm	1750 mm	6237 mm	6 ° / 5.5 °
	6000 mm	2687 mm	1950 mm	6737 mm	6 ° / 5.5 °
	6500 mm	2887 mm	2150 mm	7237 mm	6 ° / 3 °
	7000 mm	3087 mm	2350 mm	7737 mm	6 ° / 3 °
	7500 mm	3287 mm	2550 mm	8237 mm	6 ° / 3 °

VDI table

Stand-on: 02/2020

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich					
	1.2	Manufacturer's type designation		EFG 425k	EFG 425	EFG 430k	EFG 430	EFG S30	
	1.3	Drive		Electric					
	1.4	Operation		Seat					
	1.5	Capacity/load	Q kg	2.500		3.000			
	1.6	Load centre distance	c mm	500				600	
	1.8	Load distance, centre of drive axle to fork	x mm	425		447		452	
	1.9	Wheelbase	y mm	1.575	1.720	1.575	1.720		
Weights	2.1.1	Service weight (incl. battery)		kg	4.770	4.680	5.260	5.080	5.330
	2.2	Axle load laden front/rear		kg	6.440 / 830	6.590 / 590	7.360 / 910	7.450 / 630	7.620 / 710
	2.3	Axle load unladen front/rear		kg	2.450 / 2.320	2.720 / 1.960	2.530 / 2.730	2.770 / 2.310	2.780 / 2.550
Wheels/suspension system	3.1	Tyres		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	b ₁₀ mm	990		950		1.000	
	3.7	Tread width, rear	b ₁₁ mm	940					
Basic dimensions	4.1	Tilt of mast forwards/backwards	a/β °	6 / 8					
	4.2	Retracted mast height (h1)	h ₁ mm	2.225		2.222			
	4.3	Free lift (h2)	h ₂ mm	150					
	4.4	Lift (h3)	h ₃ mm	3.100					
	4.5	Extended mast height (h4)	h ₄ mm	3.855		3.857			
	4.7	Height of overhead guard (cab)	h ₆ mm	2.240					
	4.8	Seat height/stand height	h ₇ mm	1.190					
	4.12	Coupling height	h ₁₀ mm	385					
	4.12.1	2. Coupling height	mm	540					
	4.19.4	Length including fork length	l ₁ mm	3.446	3.591	3.467	3.612	3.617	
	4.20	Length including fork shank	l ₂ mm	2.296	2.441	2.317	2.462	2.467	
	4.21	Overall width	b ₁ /b ₂ mm	1.198					1.300
	4.22	Fork dimensions	s/e/l mm	40 / 120 / 1.150		45 / 125 / 1.150		50 / 125 / 1.150	
	4.23	Fork carriage connection class		2A		3A			
	4.24	Fork carriage width	b ₃ mm	1.120					
	4.31	Ground clearance laden under mast	m ₁ mm	117					
	4.32	Ground clearance centre of wheelbase	m ₂ mm	135					
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast mm	3.625	3.775	3.647	3.797	3.802	
	4.34.1	Aisle width (pallet 800x1200 length)	Ast mm	3.825	3.975	3.847	3.997	4.002	
	4.35	Turning radius	W _a mm	2.000	2.150	2.000	2.150		
	4.36	Smallest pivot point distance	b ₁₃ mm	600					650
Performance data	5.1	Travel speed laden/unladen		km/h	19 / 20				
	5.2	Lift speed laden/unladen		m/s	0.48 / 0.60		0.43 / 0.60		
	5.3	Lowering speed laden/unladen		m/s	0.58 / 0.58				
	5.5	Drawbar pull laden/unladen		N	5.100 / 5.600	4.900 / 5.500	5.000 / 5.800		
	5.6	Max. drawbar pull laden/unladen		N	16.000 / 16.300		15.700 / 16.000		
	5.7	Gradeability laden/unladen		%	10 / 16		9 / 15		8 / 14

	5.8	Max. gradeability laden/unladen	%	19 / 27		17 / 25	18 / 26	17 / 25
	5.9	Acceleration time laden/unladen	s	4.5 / 4				
	5.10	Service brake		Mechanical				
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	15				
	6.2	Lift motor, performance with S3	kW	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	1.540	1.863	1.540	1.863	
	6.6.1	Energy consumption according to EN cycle	kWh/h	6		6.9		7.8
	6.6.2	CO2 equivalent as per EN 16796	kg/h	3,24		3,73		4,21
	6.7	Throughput	t/h	196		225		220
	6.8.1	Energy consumption with max. throughput	kWh/h	7		7.2		8.1
Miscellaneous	8.1	Type of drive control		Impulse/AC				
	10.1	Working pressure for attachment	bar	200				
	10.2	Oil flow for attachments	l/min	25				
	10.7	Sound level as per EN12053, operator's ear	dB (A)	70				
	10.8	Trailer coupling, model/type DIN		DIN 15170 H				
- In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.								

- 1.8: for EFG 425 +10 mm for DZ mast - 5.1: With drive&liftPLUS options package - 5.2: With drive&liftPLUS options package - 5.3: With drive&liftPLUS options package - 5.5: With drive&liftPLUS options package - 5.6: With drive&liftPLUS options package - 5.7: With drive&liftPLUS options package - 5.8: With drive&liftPLUS options package - 5.9.1: With drive&liftPLUS options package - 6.1: With drive&liftPLUS options package - 6.2: With drive&liftPLUS options package - 6.6.1: 60 VDI working cycles / h - 6.6: With drive&liftPLUS options package - 6.7: With drive&liftPLUS options package - 6.8: With Efficiency options package

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

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**