

Runs two shifts on one battery charge – guaranteed

High performance and high energy efficiency with 4th generation AC technology

Ergonomic and easily adjustable operator compartment

soloPILOT or multiPILOT integrated into the adjustable armrest

Sealed components to help protect against dust and moisture



EFG 425 – S30

Electric Four-Wheel Counterbalanced Trucks (5,000 – 6,500 lbs.)

The advantages of electrics

The newest generation of 3-phase AC technology offers a number of benefits:

- Maximum throughput with high acceleration, travel and lift speeds.
- Minimal energy consumption due to high efficiency and energy recovery.
- Minimal service costs due to the reduction of mechanical and hydraulic components.

High energy efficiency

Run two shifts on one battery charge – The industry-exclusive Jungheinrich “2 Shifts, 1 Charge” program guarantees that the EFG 425-S30 series will run for two shifts on one battery charge – with no interim charging, no battery changing and no additional charging equipment needed.

Outdoor applications

Harsh environments are no problem for the EFG 425-S30 series of forklifts because major electrical components are highly sealed, including connectors, controllers, motors and more. The enclosed cabin option provides a comfortable and productive environment for operators – even in wet, cold or extreme conditions.

**JUNGHEINRICH**[®]

Technical data

					EFG 425k		EFG 425		EFG		
Characteristics	1	Capacity	at rated load center	lb	kg	4,928	2,500	4,928	2,500	5,917	
	2		at load center - distance	in	mm	24	500	24	500	24	
	3	Power	diesel, gasoline, LP gas, electric			electric		electric			
	4	Tire type	cushion, solid pneumatic			solid pneumatic		solid pneumatic			
	5	Wheels (x=driven)	number front / rear			2x / 2		2x / 2			
Dimensions	11	Lift with standard two-stage mast	maximum fork height	in	mm	122	3,100	122	3,100	122	
	12		free fork height	in	mm	5.9	150	5.9	150	5.9	
	13	Forks	thickness x width x length	in	mm	1.6x4.7x43	40x120x1,100	1.6x4.7x43	40x120x1,100	1.8x4.9x43	
	14	Fork spacing	out-to-out minimum / maximum	in	mm	13.25 / 40.25	335 / 1,022	13.25 / 40.25	335 / 1,022	13.75 / 40.5	
	15	Tilt	forward / backward	deg		6° / 8°		6° / 8°			
	16	Overall dimensions	width	length to fork face	in	mm	90.4	2,295	96.1	2,440	90.6
				standard	in	mm	47.2	1,198	47.2	1,198	47.2
			height	w/ wide stance drive wheels	in	mm	N/A		N/A		51.2
				with lowered mast	in	mm	88.2	2,240	88.2	2,240	88.2
	18		seat height to SIP	in	mm	46.9	1,190	46.9	1,190	46.9	
	19		to top of overhead guard	in	mm	88.2	2,240	88.2	2,240	88.2	
	20		with extended mast	in	mm	170	4,320	170	4,320	174	
	21	Minimum outside turning radius		in	mm	78.7	2,000	84.7	2,150	78.7	
22	Load moment constant		in	mm	16.7	425	16.7	425	16.9		
23	Minimum aisle - 90° stack - zero clearance without load		in	mm	95.5	2,425	101.4	2,575	95.7		
Performance	24	Speeds	travel speed	loaded / empty	mph	km/h	10.0 / 10.6	16.0 / 17.0	10.0 / 10.6	16.0 / 17.0	10.0 / 10.6
				HP loaded / empty	mph	km/h	11.8 / 12.4	19.0 / 20.0	11.8 / 12.4	19.0 / 20.0	11.8 / 12.4
		lift speed	loaded / empty	fpm	m/s	84.7 / 108.3	0.43 / 0.55	84.7 / 108.3	0.43 / 0.55	78.7 / 108.3	
			HP loaded / empty	fpm	m/s	94.5 / 118.1	0.48 / 0.60	94.5 / 118.1	0.48 / 0.60	84.7 / 118.1	
	26	lowering speed	loaded / empty	fpm	m/s	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	
			HP loaded / empty	fpm	m/s	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	
	27	Drawbar pull (max.)	60 min. rating	loaded / empty	lb-f	N	809 / 899	3,600 / 4,000	787 / 877	3,500 / 3,900	1,012 / 1,124
			HP loaded / empty	lb-f	N	1,147 / 1,259	5,100 / 5,600	1,102 / 1,237	4,900 / 5,500	1,124 / 1,304	
5 min. rating	loaded / empty	lb-f	N	2,810 / 2,923	12,500 / 13,000	2,810 / 2,923	12,500 / 13,000	3,147 / 3,260			
	HP loaded / empty	lb-f	N	3,597 / 3,664	16,000 / 16,300	3,597 / 3,664	16,000 / 16,300	3,530 / 3,597			
28	Gradeability	maximum	loaded / empty			17 / 25		17 / 25			
			HP loaded / empty			19 / 27		19 / 27			
Weight	29	Empty	with minimum weight battery	lb	kg	10,472	4,750	10,311	4,677	11,530	
	30	Axle load	with rated load	front	lb	kg	14,191	6,437	14,321	6,496	16,152
				rear	lb	kg	1,793	813	1,502	681	1,992
			without load	front	lb	kg	5,443	2,469	5,858	2,657	5,558
rear				lb	kg	5,029	2,281	4,453	2,020	5,950	
Chassis	31	Tire size	front, standard solid pneumatic tires			225/75-10		225/75-10			
			rear solid pneumatic tires			180/70-8		180/70-8			
	32	Wheelbase		in	mm	62.0	1,575	67.7	1,720	62.0	
	33	Tread width	front, standard solid pneumatic tires	in	mm	39.0	990	39.0	990	37.4	
			rear solid pneumatic tires	in	mm	37.0	940	37.0	940	37.0	
	35	Ground clearance	at lowest point at mast	in	mm	4.7	120	4.7	120	4.7	
at center of wheelbase			in	mm	5.3	135	5.3	135	5.3		
37	Brakes	service			mechanical		mechanical				
		parking			electric		electric				
39	Battery	dimensions (length x width x height)	in		27.99x40.47x30.87		33.66x40.47x30.87				
40		maximum capacity at 6 hr. discharge rate	Ah	kWh	700	54.4	700	54.4	700		
41		weight, minimum / maximum	lb	kg	3,263 / 4,037	1,480 / 1,831	3,902 / 4,436	1,770 / 2,012	3,263 / 4,037		
42	Motors	traction output (60 min. rating) / HP	HP	kW	16.1 / 20.1	12.0 / 15.0	16.1 / 20.1	12.0 / 15.0	16.1 / 20.1		
		lift output (15% rating) / HP	HP	kW	24.8 / 29.5	18.5 / 22.0	24.8 / 29.5	18.5 / 22.0	24.8 / 29.5		
44	Controls	drive			impulse / AC		impulse / AC				
		hydraulic			AC		AC				
46	Flow rate for attachments		gpm	lpm	6.6	25	6.6	25	6.6		
47	Relief pressure	for attachments at auxiliary	psi	bar	2,900	200	2,900	200	2,900		
48	Noise level	mean value at operator's ear			70		70				

HP = High Performance

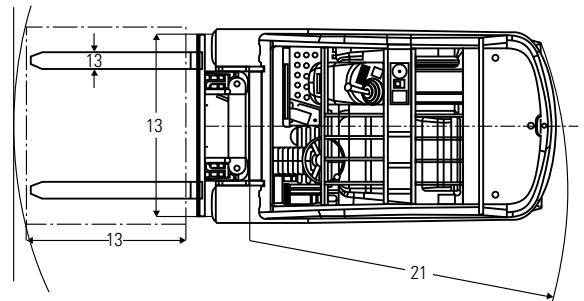
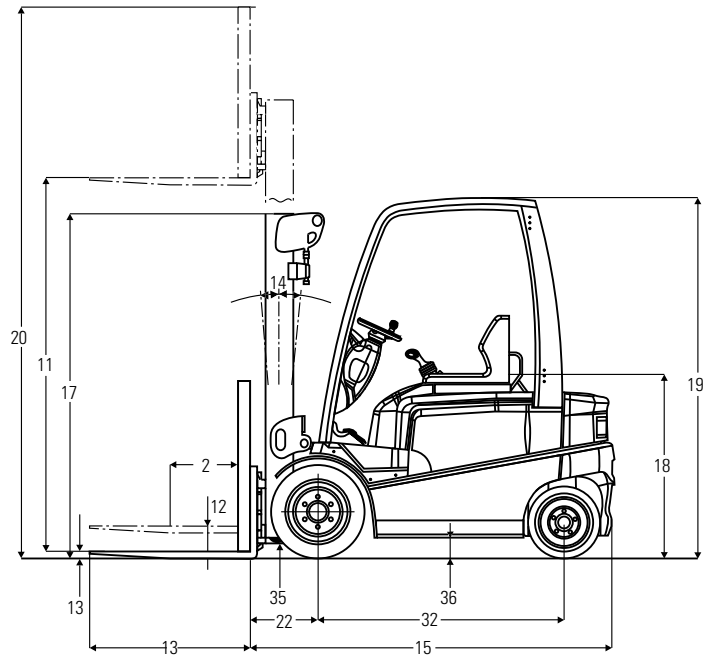
This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, different axle widths, additional equipment, etc. could produce other values.

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as of: 09/2012

EFG 425-S30

430k	EFG 430		EFG S30	
3,000	5,917	3,000	6,608	3,000
500	24	500	24	600
electric	electric		electric	
solid pneumatic	solid pneumatic		solid pneumatic	
2x / 2	2x / 2		2x / 2	
3,100	122	3,100	122	3,100
150	5.9	150	5.9	150
45x125x1,100	1.8x4.9x43	45x125x1,100	2.0x4.9x45	50x125x1,150
349 / 1,028	13.75 / 40.5	349 / 1,028	13.75 / 40.5	349 / 1,028
6° / 8°	6° / 8°		6° / 8°	
2,300	96.3	2,445	96.5	2,450
1,198	47.2	1,198	51.2	1,300
1,300	51.2	1,300	N/A	
2,240	88.2	2,240	88.2	2,240
1,190	46.9	1,190	46.9	1,190
2,240	88.2	2,240	88.2	2,240
4,430	174	4,430	174	4,430
2,000	84.7	2,150	84.7	2,150
430	16.9	430	16.9	430
2,430	101.6	2,580	101.6	2,580
16.0 / 17.0	10.0 / 10.6	16.0 / 17.0	10.0 / 10.6	16.0 / 17.0
19.0 / 20.0	11.8 / 12.4	19.0 / 20.0	11.8 / 12.4	19.0 / 20.0
0.40 / 0.55	78.7 / 108.3	0.40 / 0.55	78.7 / 108.3	0.40 / 0.55
0.43 / 0.60	84.7 / 118.1	0.43 / 0.60	84.7 / 118.1	0.43 / 0.60
0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58
0.58 / 0.58	114.2 / 114.2	0.58 / 0.58	114.2 / 114.2	0.58 / 0.58
4,500 / 5,000	1,012 / 1,124	4,500 / 5,000	1,012 / 1,124	4,500 / 5,000
5,000 / 5,800	1,124 / 1,304	5,000 / 5,800	1,124 / 1,304	5,000 / 5,800
14,000 / 14,500	3,147 / 3,260	14,000 / 14,500	3,147 / 3,260	14,000 / 14,500
15,700 / 16,000	3,530 / 3,597	15,700 / 16,000	3,530 / 3,597	15,700 / 16,000
15 / 23	15 / 23		15 / 23	
17 / 25	18 / 26		17 / 25	
5,230	11,303	5,127	11,876	5,387
7,327	16,086	7,297	16,462	7,467
903	1,831	830	2,005	910
2,521	5,846	2,652	5,876	2,665
2,699	5,457	2,475	5,985	2,715
250/60-12	250/60-12		315/45-12	
200/50-10	180/70-8		200/50-10	
1,575	67.7	1,720	67.7	1,720
950	37.4	950	39.4	1,000
940	37.0	940	37.0	940
120	4.7	120	4.7	120
135	5.3	135	5.3	135
mechanical	mechanical		mechanical	
electric	electric		electric	
27.99x40.47x30.87	33.66x40.47x30.87		33.66x40.47x30.87	
54.4	700	54.4	700	54.4
1,480 / 1,831	3,902 / 4,436	1,770 / 2,012	3,902 / 4,436	1,770 / 2,012
12.0 / 15.0	16.1 / 20.1	12.0 / 15.0	16.1 / 20.1	12.0 / 15.0
18.5 / 22.0	24.8 / 29.5	18.5 / 22.0	24.8 / 29.5	18.5 / 22.0
impulse / AC	impulse / AC		impulse / AC	
AC	AC		AC	
25	6.6	25	6.6	25
200	2,900	200	2,900	200
70	70		70	



The Jungheinrich Advantage

Superior operator comfort

The ergonomic operator compartment allows for relaxed and productive operation, particularly beneficial at the end of long shifts:

- Low, wide step with slip-resistant tread.
- Slim steering column for maximum knee and legroom.
- Ability to tilt and telescope the steering column to suit the operator's needs.
- All essential controls are located on the highly-adjustable armrest, allowing for easy, intuitive operator control.
- Operators will experience an extremely comfortable ride on rough or uneven floors with the combination of solid pneumatic tires, a full-suspension seat and floating cabin.
- Outstanding view thanks to an innovative overhead guard design and optimized mast channel nesting and hose routing.

Maintenance-free braking system

- Regenerative braking with the traction motor allows for smooth, energy efficient deceleration.
- Automatically engaging parking brake for secure stopping, even on ramps.
- Multiple wet disc brakes are highly sealed for extreme durability in harsh environments.

Maintenance-free motors

The new generation of 3-phase AC motors will impress – providing quiet and precise operation at all speeds.

- High torque for faster operation cycles.
- Lifetime lubrication of main components.
- Motor, brake and gears are integrated into the sealed drive axle.
- Dust and water protection to IP54.



Ergonomic operator compartment

Control systems

High performance also requires a high degree of control. That's why the EFG series includes a comprehensive range of equipment for more secure operation:

- Deactivation of all hydraulic functions when the operator seat is not occupied.
- No roll-back on ramps or inclines with the automatic parking brake, even when the vehicle is switched off.
- Automatic progressive reduction of the driving speed during cornering with Jungheinrich curveCONTROL.

Intelligent electronics

- Smooth travel / reversing and precise positioning.
- Optimally adapts to any situation using five individual work programs.
- Efficient communication between the truck and operator / technician with the highly informative, interactive display.



Speed reduction during cornering

Parts when you need them

Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 p.m. of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.

* Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.