

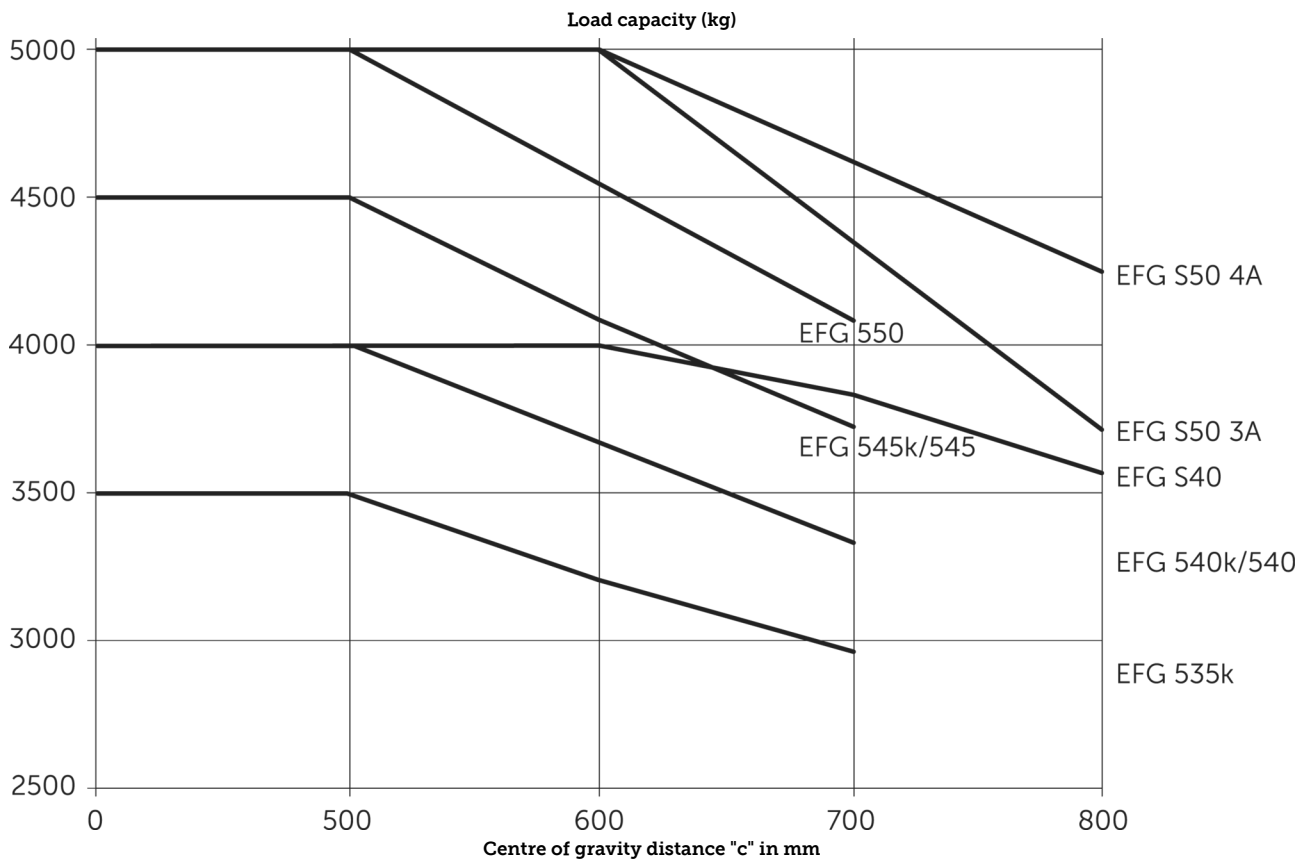


Electric four wheel counterbalance forklift truck

EFG 535-S50

Lift height: 2480-7500 mm / Load capacity: 3500-5000 kg

EFG 535-S50



EFG 535-S50



Technical drawing EFG 5 (2015)

EFG 535-S50

VDI table

Stand-on: 07/2024

Characteristic	1.1	Manufacturer (abbreviated description)	Jungheinrich								
	1.2	Manufacturer's type designation	EFG 535k	EFG 540k	EFG 540	EFG S40	EFG 545k	EFG 545	EFG 550	EFG S50	
	1.3	Drive	Electric								
	1.4	Operation	Seat								
	1.5	Load capacity/load	Q kg	3500	4000			4500		4990	5000
	1.6	Load centre distance	c mm	500			600	500			600
	1.8	Load distance, centre of drive axle to fork	x mm	519	532					547	
	1.9	Wheelbase	y mm	1856		2000	2080	1856	2000		2080
Weights	2.1.1	Service weight (incl. battery)	kg	5968	6711	6701	7143	7153	7143	7592	8036
	2.2	Axle load laden front/rear	kg	8521 / 947	9752 / 959	9726 / 975	9992 / 1151	10575 / 1078	10468 / 1160	11434 / 1158	11677 / 1359
	2.3	Axle load unladen front/rear	kg	3097 / 2871	3536 / 3175	3706 / 2995	3858 / 3285	3626 / 3527	3744 / 3399	3836 / 3756	3932 / 4104
Wheels/suspension system	3.1	Tyres	Super-elastic (SE)								
	3.2	Tyre size, front	250-15			28x12,5-15		28 x 12, 5-15			
	3.3	Tyre size, rear	21 x 8-9			23x10-12		21 x 8-9			23x10-12
	3.5	Wheels, number front/back (x=driven)	2x/2								
	3.6	Tread width, front	b10 mm	1115			1155				
	3.7	Tread width, rear	b11 mm	950			1200	950			1200
	Basic dimensions	4.1	Forward/backward tilt of mast	a/β °	6 / 8						
4.2		Retracted mast height (h1)	h1 mm	2300	2290					2440	
4.3		Free lift (h2)	h2 mm	150							
4.4		Lift (h3)	h3 mm	3100	3000					3030	
4.5		Extended mast height (h4)	h4 mm	3889	3715		3858	3715		3858	4003
4.7		Height of overhead guard (cab)	h6 mm	2365			2350				
4.8		Seat height/stand height	h7 mm	1313			1303				
4.12		Coupling height	h10 mm	396							
4.12.1		2. Coupling height	mm	566							
4.19		total length	l1 mm	3805	3818	3962	4102	3818	3962		4102
4.20		Length including fork shank	l2 mm	2655	2668	2812	2952	2668	2812		2952
4.21.1		total width	b1 mm	1340			1450				
4.22		Fork dimensions	s/e/l mm	45 x 125 x 1150	50 x 125 x 1150					50 x 150 x 1150	60 x 150 x 1150
4.23		Fork carriage connection class		3A							4A
4.24		Fork carriage width	b3 mm	1120	1260						
4.31		Ground clearance laden under mast	m1 mm	143	179		166				
4.32		Ground clearance centre of wheelbase	m2 mm	150							
4.34.1		Aisle width (pallet 1000x1200 sideways)	Ast mm	4003	4092	4222	4412	4092	4222		4427
4.34.2		Aisle width (pallet 800x1200 length)	Ast mm	4203	4292	4422	4612	4292	4422		4627
4.35	Turning radius	Wa mm	2284	2360	2490	2680	2360	2490		2680	

	4.36	Smallest pivot point distance	b13 mm	660	721	673	660	721	673		
Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	14 / 17 16 / 16	13 / 16 16 / 16		13 / 16 15 / 16	13 / 16 16 / 16	12 / 15 15 / 16		
	5.2	Lift speed laden/unladen (Efficiency liftPLUS)	m/s	0.36 / 0.5 0.42 / 0.55	0.28 / 0.37 0.33 / 0.44						
	5.3	Lowering speed laden/unladen (Efficiency liftPLUS)	m/s	0.56 / 0.56 0.56 / 0.56	0.55 / 0.5 0.55 / 0.5						
	5.5	Drawbar pull laden/unladen (Efficiency drivePLUS)	N	5300 / 5800 5300 / 5800	5100 / 5600 5100 / 5600	4900 / 5500 4900 / 5500		4800 / 5400 4800 / 5400	4700 / 5300 4700 / 5300		
	5.6	Max. drawbar pull laden/unladen (Efficiency drivePLUS)	N	17100 / 17100 17100 / 17100	17700 / 17700 17700 / 17700	18200 / 18200 18200 / 18200					
	5.7	Gradeability laden/unladen (Efficiency drivePLUS)	%	10.2 / 16.7 11.5 / 19	9.3 / 15.4 10.8 / 17.7	8.1 / 13.5 9.4 / 15.8		7.5 / 13.5 8.8 / 15.8	7.1 / 12.7 8.4 / 15		
	5.8	Max. gradeability laden/unladen (Efficiency drivePLUS)	%	18.3 / 29 19.1 / 31.1	17 / 26.9 17.2 / 28.6	17 / 27 17.3 / 28.6	16.5 / 25.7 16.6 / 27.1	15.9 / 25.7 15.8 / 27.1	16 / 25.7 15.9 / 27.1	14.9 / 24.5 14.4 / 25.6	14.4 / 23.2 13.7 / 24.1
	5.9	Acceleration time laden/unladen (Efficiency drivePLUS)	s	7.7 / 7 7 / 6.7	8 / 7.2 7 / 6.7	8.1 / 7.3 7.1 / 6.8	8.2 / 7.3 7.1 / 6.8	8.4 / 7.4 7.2 / 6.8			
	5.10	Service brake	Mechanical								
	E-motor/Electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	14.5 18						
6.2		Lift motor, performance with S3 (Efficiency liftPLUS)	kW	20 24							
6.3		Battery according to DIN 43531/35/36	DIN 43536 A								
6.4		Battery voltage/nominal capacity	V / Ah	80 / 775	80 / 930		80 / 775	80 / 930			
6.5		Battery weight	kg	1863	2178		1863	2178			
6.6.1		Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	6.6 6.6	7 7.1	7.2 7.3	7.6 7.8		8 8	8.1 8.1	
6.6.2		CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	3.6 3.6	3.8 3.8	3.9 3.9	4.1 4.2		4.3 4.3	4.4 4.4	
6.7		Throughput (Efficiency PLUS)	t/h	205 218	232 242	227 238	247 259		264 284	266 290	
6.8.1		Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	9.3 9.9	9.4 10.4	9.8 10.7	9.4 10.8		9.8 10.9	10 11	
Other	8.1	Type of drive control	Impulse/AC								
	10.1	Operating pressure for attachment	bar	200							
	10.2	Oil flow for attachments	l/min	30							
	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.

Efficiency: Values of standard package | PLUS: Values of performance package

- 6.6.1: 45 EN cycles/h

- VDI no. 6.7: PLUS refers to the drive&liftPLUS performance package

- VDI no. 6.8.1: PLUS refers to the drive&liftPLUS performance package

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**