Electric 4-wheel forklift truck

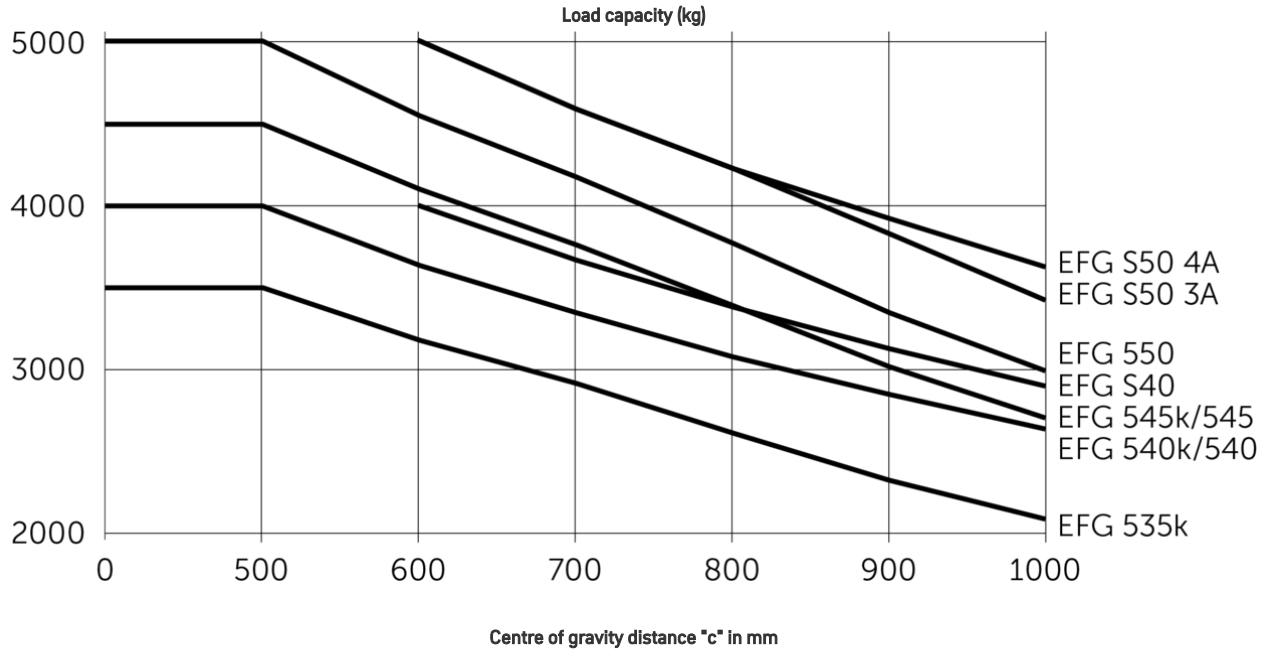
EFG 535k–S50 (2015)

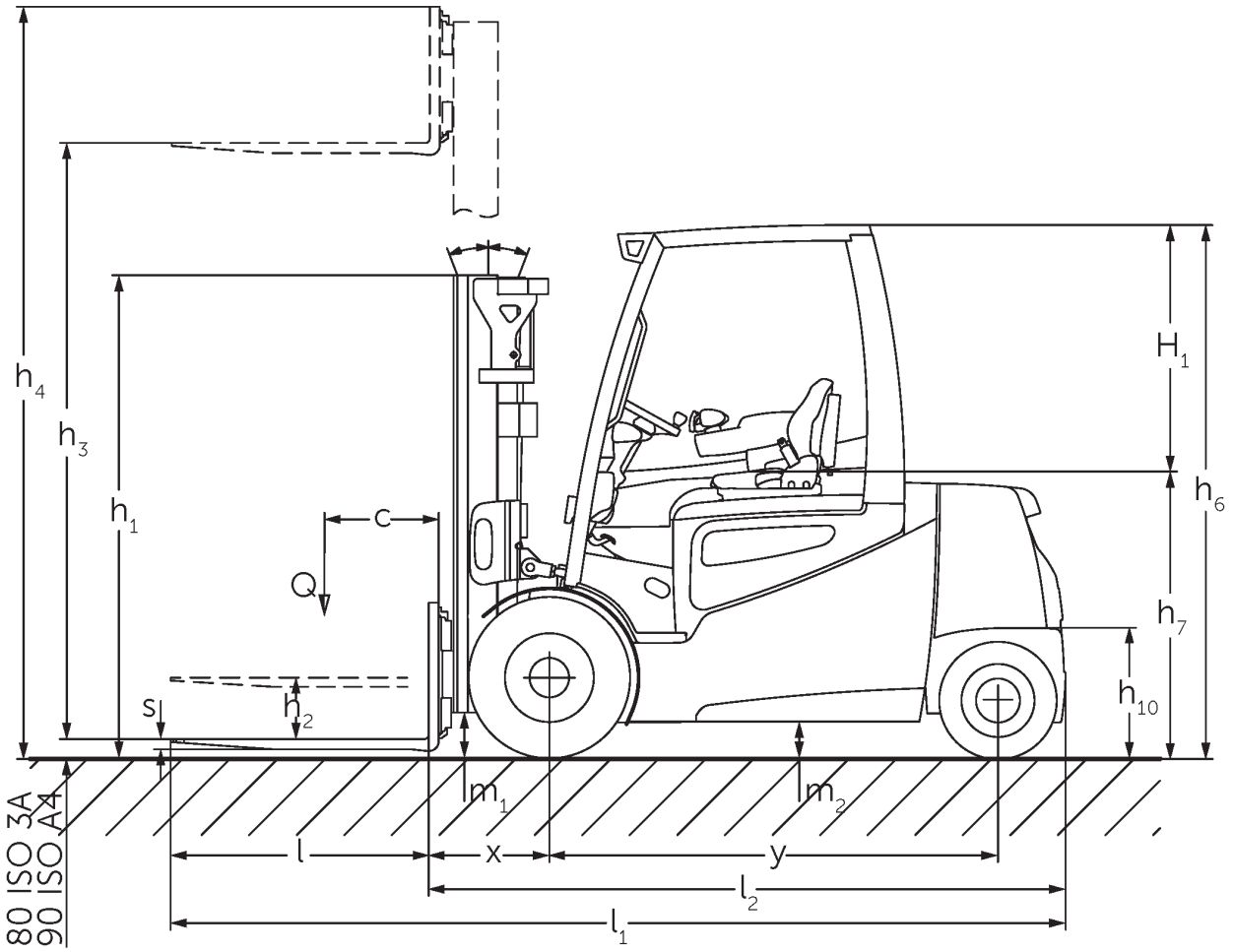
Lift height: 2480-7500 mm / Load capacity: 3500-5000 kg

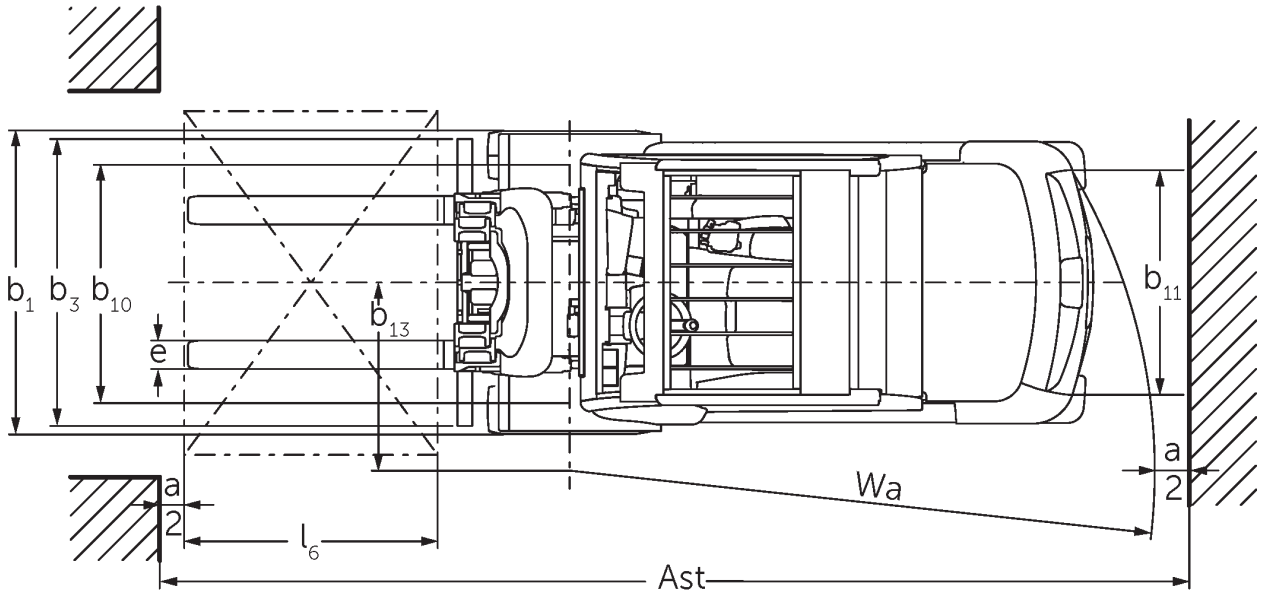
LI-ION technology

JUNGHEINRICH

EFG 535k–S50 (2015)







Technical drawing EFG 5 (2015)

EFG 535k–S50 (2015)

EFG 535k	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/ backward tilt of mast
Duplex mast ZT	2900 mm	2200 mm	150 mm	3689 mm	6 / 8 °
	3100 mm	2300 mm	150 mm	3889 mm	6 / 8 °
	3300 mm	2400 mm	150 mm	4089 mm	6 / 8 °
	3500 mm	2500 mm	150 mm	4289 mm	6 / 8 °
	3700 mm	2600 mm	150 mm	4489 mm	6 / 8 °
	4000 mm	2750 mm	150 mm	4789 mm	6 / 8 °
	4300 mm	2950 mm	150 mm	5089 mm	6 / 8 °
	4500 mm	3050 mm	150 mm	5289 mm	6 / 8 °
Duplex mast ZZ	3100 mm	2265 mm	1496 mm	3669 mm	6 / 8 °
	3300 mm	2365 mm	1596 mm	3869 mm	6 / 8 °
	3500 mm	2465 mm	1696 mm	4069 mm	6 / 8 °
	3700 mm	2565 mm	1796 mm	4269 mm	6 / 8 °
	4000 mm	2715 mm	1946 mm	4469 mm	6 / 8 °
Triplex mast DZ	4400 mm	2165 mm	1396 mm	5169 mm	6 / 8 °
	4700 mm	2265 mm	1496 mm	5469 mm	6 / 8 °
	5000 mm	2365 mm	1596 mm	5769 mm	6 / 8 °
	5500 mm	2565 mm	1796 mm	6269 mm	6 / 5 °
	6000 mm	2765 mm	1996 mm	6769 mm	6 / 5 °
	6500 mm	2965 mm	2196 mm	7269 mm	6 / 5 °
	7000 mm	3165 mm	2396 mm	7769 mm	6 / 3 °
	7500 mm	3365 mm	2596 mm	8269 mm	6 / 3 °
EFG 540k, EFG 540, EFG 545k, EFG 545	**Lift (h3)**	**Retracted mast height (h1)**	**Free lift (h2)**	**Extended mast height (h4)**	**Forward/ backward tilt of mast**
Duplex mast ZT / Including 3A fork carriage with 4 rollers (standard)	2750 mm	2165 mm	150 mm	3465 mm	6 / 8 °
	3000 mm	2290 mm	150 mm	3715 mm	6 / 8 °
	3100 mm	2348 mm	150 mm	3823 mm	6 / 8 °
	3300 mm	2440 mm	150 mm	4015 mm	6 / 8 °
	3500 mm	2548 mm	150 mm	4223 mm	6 / 8 °

	3700 mm	2640 mm	150 mm	4415 mm	6 / 8 °
	4000 mm	2795 mm	150 mm	4720 mm	6 / 8 °
	4300 mm	2940 mm	150 mm	5015 mm	6 / 8 °
	4500 mm	3040 mm	150 mm	5215 mm	6 / 8 °
	5000 mm	3290 mm	150 mm	5715 mm	6 / 8 °
	5500 mm	3540 mm	150 mm	6215 mm	6 / 5 °
Duplex mast ZT / suitable for integrated sideshift 3A with 6 rollers (option)	2750 mm	2165 mm	150 mm	3608 mm	6 / 8 °
	3000 mm	2290 mm	150 mm	3858 mm	6 / 8 °
	3100 mm	2348 mm	150 mm	3958 mm	6 / 8 °
	3300 mm	2440 mm	150 mm	4158 mm	6 / 8 °
	3500 mm	2548 mm	150 mm	4358 mm	6 / 8 °
	3700 mm	2640 mm	150 mm	4558 mm	6 / 8 °
	4000 mm	2795 mm	150 mm	4858 mm	6 / 8 °
	4300 mm	2940 mm	150 mm	5158 mm	6 / 8 °
	4500 mm	3040 mm	150 mm	5358 mm	6 / 8 °
	5000 mm	3290 mm	150 mm	5858 mm	6 / 8 °
	5500 mm	3540 mm	150 mm	6358 mm	6 / 5 °
	6500 mm	4040 mm	150 mm	7358 mm	6 / 5 °
Duplex mast ZZ / Including 3A fork carriage with 4 rollers (standard)	2775 mm	2140 mm	1382 mm	3533 mm	6 / 8 °
	3142 mm	2323 mm	1565 mm	3900 mm	6 / 8 °
	3342 mm	2423 mm	1665 mm	4100 mm	6 / 8 °
	3542 mm	2523 mm	1765 mm	4300 mm	6 / 8 °
	3675 mm	2590 mm	1832 mm	4433 mm	6 / 8 °
	4035 mm	2770 mm	2012 mm	4793 mm	6 / 8 °
	4395 mm	2950 mm	2192 mm	5153 mm	6 / 8 °
	5095 mm	3300 mm	2542 mm	5853 mm	6 / 8 °
	5524 mm	3515 mm	2757 mm	6282 mm	6 / 5 °
Duplex mast ZZ / suitable for integrated sideshift 3A with 6 rollers (option)	2775 mm	2140 mm	1332 mm	3683 mm	6 / 8 °
	3142 mm	2323 mm	1415 mm	4050 mm	6 / 8 °
	3342 mm	2423 mm	1515 mm	4250 mm	6 / 8 °
	3542 mm	2523 mm	1615 mm	4450 mm	6 / 8 °
	3675 mm	2590 mm	1682 mm	4583 mm	6 / 8 °
	4035 mm	2770 mm	1862 mm	4943 mm	6 / 8 °

	4395 mm	2950 mm	2042 mm	5303 mm	6 / 8 °
	5095 mm	3300 mm	2392 mm	6003 mm	6 / 8 °
	5524 mm	3515 mm	2607 mm	6432 mm	6 / 5 °
Triplex mast DZ / Including 3A fork carriage with 4 rollers (standard)	4150 mm	2140 mm	1382 mm	4908 mm	6 / 8 °
	4400 mm	2223 mm	1465 mm	5158 mm	6 / 8 °
	4700 mm	2323 mm	1565 mm	5458 mm	6 / 8 °
	4850 mm	2373 mm	1615 mm	5608 mm	6 / 8 °
	5000 mm	2423 mm	1665 mm	5758 mm	6 / 5 °
	5300 mm	2523 mm	1765 mm	6058 mm	6 / 5 °
	5500 mm	2590 mm	1832 mm	6258 mm	6 / 5 °
	6000 mm	2770 mm	2012 mm	6758 mm	6 / 5 °
	6500 mm	2950 mm	2170 mm	7280 mm	6 / 3 °
	7000 mm	3120 mm	2350 mm	7770 mm	6 / 3 °
	7500 mm	3300 mm	2490 mm	8310 mm	6 / 3 °
Triplex mast DZ / suitable for integrated sideshift 3A with 6 rollers (option)	4150 mm	2140 mm	1232 mm	5058 mm	6 / 8 °
	4400 mm	2223 mm	1315 mm	5308 mm	6 / 8 °
	4700 mm	2323 mm	1415 mm	5608 mm	6 / 8 °
	4850 mm	2373 mm	1465 mm	5758 mm	6 / 8 °
	5000 mm	2423 mm	1515 mm	5908 mm	6 / 5 °
	5300 mm	2523 mm	1765 mm	6058 mm	6 / 5 °
	5500 mm	2590 mm	1682 mm	6408 mm	6 / 5 °
	6000 mm	2770 mm	1862 mm	6908 mm	6 / 5 °
	6500 mm	2950 mm	2042 mm	7408 mm	6 / 3 °
	7000 mm	3120 mm	2212 mm	7908 mm	6 / 3 °
	7500 mm	3300 mm	2392 mm	8408 mm	6 / 3 °
EFG 550	**Lift (h3)**	**Retracted mast height (h1)**	**Free lift (h2)**	**Extended mast height (h4)**	**Forward/ backward tilt of mast**
Duplex mast ZT / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option)	2750 mm	2165 mm	150 mm	3608 mm	6 / 8 °
	3000 mm	2290 mm	150 mm	3858 mm	6 / 8 °
	3100 mm	2348 mm	150 mm	3958 mm	6 / 8 °

	3300 mm	2440 mm	150 mm	4158 mm	6 / 8 °
	3500 mm	2548 mm	150 mm	4358 mm	6 / 8 °
	3700 mm	2640 mm	150 mm	4558 mm	6 / 8 °
	4000 mm	2795 mm	150 mm	4858 mm	6 / 8 °
	4300 mm	2940 mm	150 mm	5158 mm	6 / 8 °
	4500 mm	3040 mm	150 mm	5358 mm	6 / 8 °
	5000 mm	3290 mm	150 mm	5858 mm	6 / 8 °
	5500 mm	3540 mm	150 mm	6358 mm	6 / 5 °
Duplex mast ZZ / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option)	2775 mm	2140 mm	1382 mm	3683 mm	6 / 8 °
	3142 mm	2323 mm	1415 mm	4050 mm	6 / 8 °
	3342 mm	2423 mm	1515 mm	4250 mm	6 / 8 °
	3542 mm	2523 mm	1615 mm	4450 mm	6 / 8 °
	3675 mm	2590 mm	1682 mm	4583 mm	6 / 8 °
	4035 mm	2770 mm	1862 mm	4943 mm	6 / 8 °
	4395 mm	2950 mm	2042 mm	5303 mm	6 / 8 °
	5095 mm	3300 mm	2392 mm	6003 mm	6 / 8 °
	5524 mm	3515 mm	2607 mm	6432 mm	6 / 5 °
Triplex mast DZ / Including 3A fork carriage with 6 rollers (standard) / suitable for integrated sideshift 3A with 6 rollers (option)	4150 mm	2140 mm	1232 mm	5058 mm	6 / 8 °
	4400 mm	2223 mm	1315 mm	5308 mm	6 / 8 °
	4850 mm	2373 mm	1465 mm	5758 mm	6 / 8 °
	5000 mm	2423 mm	1515 mm	5908 mm	6 / 5 °
	5300 mm	2523 mm	1615 mm	6208 mm	6 / 5 °
	5500 mm	2590 mm	1682 mm	6408 mm	6 / 5 °
	6000 mm	2770 mm	1862 mm	6908 mm	6 / 5 °
	6500 mm	2950 mm	2042 mm	7408 mm	6 / 3 °
	7000 mm	3120 mm	2212 mm	7908 mm	6 / 3 °
	7500 mm	3300 mm	2392 mm	8408 mm	6 / 3 °

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich						
	1.2	Manufacturer's type designation			EFG 535k–S50						
	1.3	Drive			electric						
	1.4	Operation			Seat						
	1.5	Load capacity/load	Q	kg	3500	4000		4500		4990	
	1.6	Load centre distance	c	mm	500						
	1.8	Load distance, centre of drive axle to fork	x	mm	519	532					
	1.9	Wheelbase	y	mm	1856		2000	1856		2000	
Weights	2.1.1	Service weight (incl. battery)		kg	5968	6711	6701	7153	7143	7592	
	2.2	Axle load laden front/rear		kg	8521 / 947	9752 / 959	9726 / 975	10575 / 1078	10468 / 1160	11434 / 1158	
	2.3	Axle load unladen front/rear		kg	3097 / 2871	3536 / 3175	3706 / 2995	3626 / 3527	3744 / 3399	3836 / 3756	
Wheels/suspension system	3.1	Tyres			Super-elastic (SE)						
	3.2	Tyre size, front			250-15			28 x 12, 5-15			
	3.3	Tyre size, rear			21 x 8-9						
	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						
Basic dimensions	4.1	Forward/backward tilt of mast	a/ß	°	6 / 8						
	4.2	Retracted mast height (h1)	h1	mm	2300	2290					
	4.3	Free lift (h2)	h2	mm	150						
	4.4	Lift (h3)	h3	mm	3100	3000					
	4.5	Extended mast height (h4)	h4	mm	3889	3715				3858	
	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	3818	3962		
	4.20	Length including fork shank	l2	mm	2655	2668	2812	2668	2812		
	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	
	4.23	Fork carriage connection class			3A						
	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 1000×1200 sideways)	Ast	mm	4003	4092	4222	4092	4222		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	4203	4292	4422	4292	4422		
	4.35	Turning radius	Wa	mm	2284	2360	2490	2360	2490		
	4.36	Smallest pivot point distance	b13	mm	660		721	660	721		

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
	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
	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	15.9 / 25.7 | 15.8 / 27.1	16 / 25.7 | 15.9 / 27.1	14.9 / 24.5 | 14.4 / 25.6
	5.9	Acceleration time laden/unladen (Efficiency | drivePLUS)	s	7.7 / 7 | 7 / 6.7	8 / 7.2 | 7 / 6.7		8.2 / 7.3 | 7.1 / 6.8		8.4 / 7.4 | 7.2 / 6.8
	5.10	Service brake		Friction brake (mechanically operated)					
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		7.6 | 7.8		8 | 8
	6.6.2	CO2 equivalent according to EN ISO 23308 (Efficiency | PLUS)	kg/h	3.57 | 3.6	3.78 | 3.8		4.11 | 4.2		4.32 | 4.3
	6.7	Throughput (Efficiency | PLUS)	t/h	205 | 218	232 | 242		247 | 259		264 | 284
	6.8	Turnover efficiency according to VDI 2198 (Efficiency | PLUS)	t/kWh	22.6 | 22	24.7 | 23.3		26.3 | 24		26.9 | 26.1
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 pressure level according to 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.

- 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.

CE

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