



Electric reach truck

ETV 210 - 216

Lift height: 4550-10700 mm / Load capacity: 1000-1600 kg

ETV 210 - 216



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VDI table

Stand-on: 07/2024

Characteristic	Item	Description	Unit	Jungheinrich					
				ETV 210	ETV 212	ETM 214	ETV 214	ETM 216	ETV 216
Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich					
	1.2	Manufacturer's type designation		ETV 210	ETV 212	ETM 214	ETV 214	ETM 216	ETV 216
	1.3	Drive		Electric					
	1.4	Operation		Sideways-seated					
	1.5	Load capacity/load	Q kg	1000	1200	1400		1600	
	1.6	Load centre distance	c mm	600					
	1.8	Load distance, centre of drive axle to fork	x mm	315	400	353	423	403	413
	1.8.1	Load distance, centre of drive axle to fork, mast extended	mm	170		205			
	1.9	Wheelbase	y mm	1300	1385	1410		1460	
Weights	2.1.1	Service weight (incl. battery)	kg	2560	2580	2975	3000	3110	3136
	2.3	Axle load unladen front/rear	kg	1587 / 973	1587 / 993	1785 / 1190	1830 / 1170	1835 / 1275	1882 / 1254
	2.4	Axle load fork forward laden front/rear	kg	634 / 2926	516 / 3264	481 / 3894	572 / 3828	518 / 4192	521 / 4215
	2.5	Axle load fork back laden front/rear	kg	1282 / 2278	1361 / 2419	1531 / 2844	1628 / 2772	1649 / 3061	1658 / 3078
Wheels/suspension system	3.1	Tyres		Polyurethane (PU)					
	3.2	Tyre size, front		Ø 343 x 114					
	3.3	Tyre size, rear		Ø 230 x 85		Ø 285 x 100			
	3.5	Wheels, number front/back (x=driven)		1x / 2					
	3.7	Tread width, rear	b11 mm	993		986	1136	986	1136
Basic dimensions	4.1	Forward/backward tilt of mast	a/β °	1 / 3					
	4.2	Retracted mast height (h1)	h1 mm	2300		2400			
	4.3	Free lift (h2)	h2 mm	1646		1746			
	4.4	Lift (h3)	h3 mm	5300		5600			
	4.5	Extended mast height (h4)	h4 mm	5954		6254			
	4.7	Height of overhead guard (cab)	h6 mm	2190					
	4.8	Seat height/stand height	h7 mm	1057					
	4.10	Height of support arms	h8 mm	265		285			
	4.19	total length	l1 mm	2346		2418	2348	2418	2408
	4.20	Length including fork shank	l2 mm	1196		1268	1198	1268	1258
	4.21.1	total width	b1 mm	1120			1270	1120	1270
	4.21.2	total width	b2 mm	1120			1270	1120	1270
	4.22	Fork dimensions	s/ e/l mm	40 x 80 x 1150		40 x 120 x 1150			
	4.23	Fork carriage connection class		2B					
	4.24	Fork carriage width	b3 mm	800		830			
	4.25	Width across forks	b5 mm	296		335			
	4.25.1	Width across forks (min./max.)	b5 mm	296 / 705		335 / 560	335 / 705	335 / 560	335 / 705
	4.26	Width between support arms/loading areas	b4 mm	900		780	940	780	940
	4.28	Reach distance	mm	485	570	558	628	608	618
	4.32	Ground clearance centre of wheelbase	m2 mm	80					
Performance data	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2626	2644	2702	2652	2716	2709
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2686	2689	2757	2694	2762	2753
	4.35	Turning radius	Wa mm	1515	1595	1620		1670	
	4.37	Length over the support arms	L7 mm	1640	1725	1780		1830	
	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	11 / 11 - / -			11 / 11 14 / 14		

	5.2	Lift speed laden/unladen (Efficiency liftPLUS)	m/s	0.48 / 0.7 - / -	0.43 / 0.7 - / -	0.38 / 0.7 0.51 / 0.7	0.35 / 0.7 0.48 / 0.7		
	5.3	Lowering speed laden/unladen (Efficiency liftPLUS)	m/s	0.5 / 0.5 - / -		0.55 / 0.55 0.55 / 0.55			
	5.4	Reach speed laden/unladen (Efficiency liftPLUS)	m/s	0.2 / 0.2 - / -		0.18 / 0.18 0.22 / 0.22			
	5.7	Gradeability laden/unladen (Efficiency drivePLUS)	%	7 / 10 - / -		9 / 13 9 / 13	8 / 12 8 / 12		
	5.8	Max. gradeability laden/unladen (Efficiency drivePLUS)	%	10 / 15 - / -		10 / 15 10 / 15			
	5.9	Acceleration time laden/unladen (Efficiency drivePLUS)	s	4.8 / 4.3 - / -	4.9 / 4.5 - / -	5.3 / 5 4.7 / 4.3	5.4 / 5 4.8 / 4.3		
	5.10	Service brake		electric					
E-motor/Electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	6 -		6 8.5			
	6.2	Lift motor, performance with S3 (Efficiency liftPLUS)	kW	13.3 -		13.3 15.5			
	6.3	Battery according to DIN 43531/35/36		DIN 43531 B			DIN 43531 C	DIN 43531 B	DIN 43531 C
	6.4	Battery voltage/nominal capacity	V / Ah	48 / 280		48 / 465			
	6.5	Battery weight	kg	556		750			
	6.6	Energy consumption according to VDI cycle	kWh/h	2.6	2.9	3.4		3.6	
	6.6.1	Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	2.81 -	3.05 -	3.16 3.21		3.19 3.23	
	6.6.2	CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	1.5 -	1.7 -	1.7 1.7			
	6.7	Throughput (Efficiency PLUS)	t/h	38.63 -	46.65 -	52.34 60.8		58.42 68.74	
	6.8.1	Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	2.89 -	3.06 -	3.08 4.04		3.22 4.11	
Other	8.1	Type of drive control		Impulse / Mosfet AC		Mosfet/AC			
	10.1	Operating pressure for attachment	bar	150					
	10.2	Oil flow for attachments	l/min	20					
	10.7	Sound level as per EN12053, operator's ear	dB (A)	68					

- 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

- VDI no. 1.8: battery size and mast type affect load distance x
- VDI no. 2.1.1: battery size and mast version affect service weight and axle loads
- VDI no. 2.3: battery size and mast version affect service weight and axle loads
- VDI no. 2.4: battery size and mast version affect service weight and axle loads
- VDI no. 2.5: battery size and mast version affect service weight and axle loads
- VDI no. 4.1: the mast version determines the tilt values
- VDI no. 4.10: the height of the support arms is enlarged by 30 mm with a load support arm cover
- VDI no. 4.19: battery size, mast type and fork length affect the overall length l1
- VDI no. 4.20: battery size and mast type affect the length including fork shank l2
- VDI no. 4.28: battery size and mast type affect the reach distance l4
- VDI no. 4.34.1: battery size and mast type affect the aisle widths
- VDI no. 4.34.2: battery size and mast type affect the aisle widths
- VDI no. 6.6.1: PLUS refers to the drive&liftPLUS performance package
- VDI no. 6.6.2: PLUS refers to the drive&liftPLUS performance package
- 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**