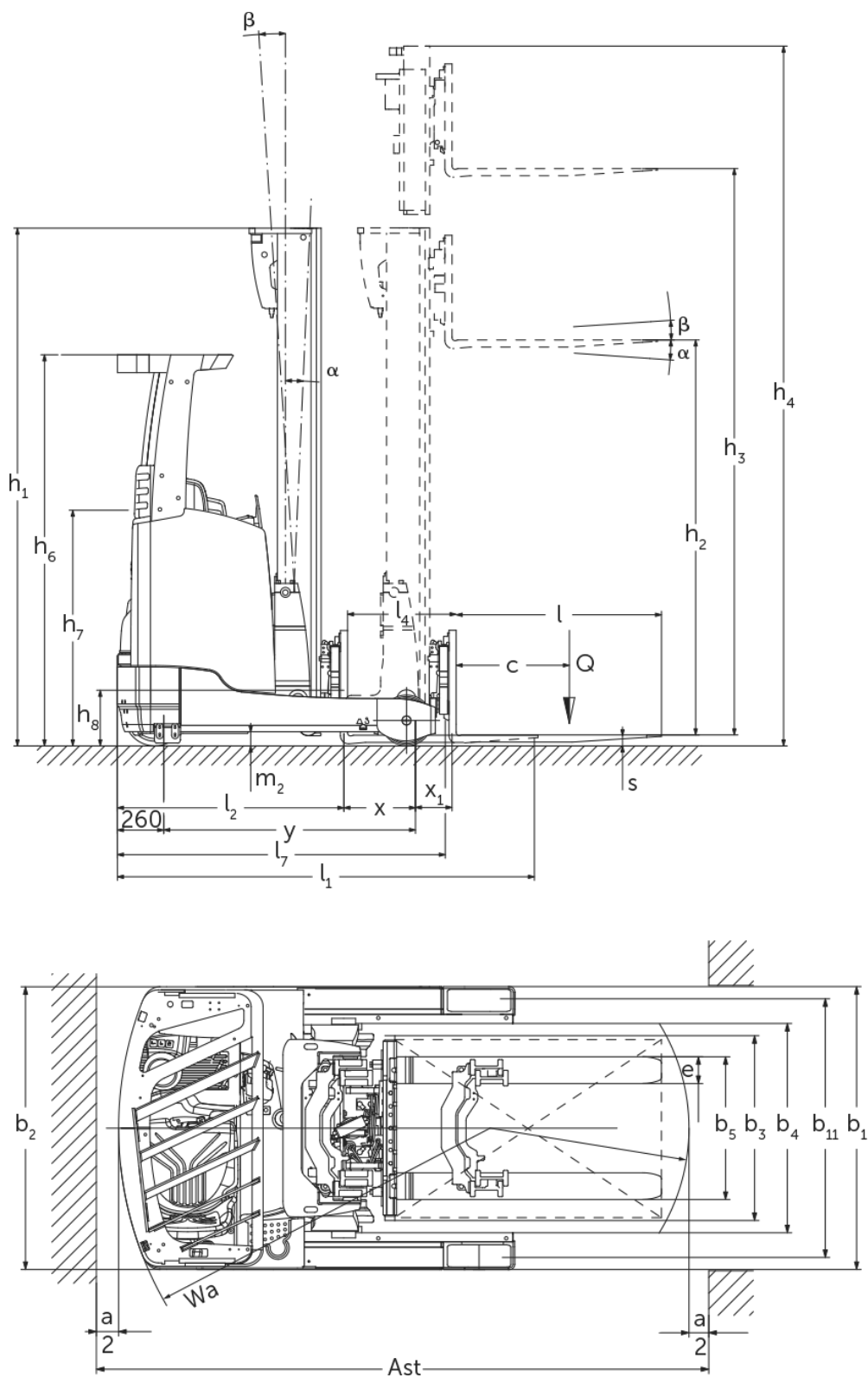




Electric reach truck **ETM/ETV 318-325**

Lift height: 4250-14000 mm / Load capacity: 1800-2500 kg

ETM/ETV 318-325



ETM/ETV 318-325

ETV 318, ETV 320, ETM 325, ETV 325	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast	Forward/backward tilt of fork carriage
Fork tilt / Triplex mast DZ / cold-formed	6200 mm	2700 mm	1970 mm	6930 mm	2 / 5 °	
	6500 mm	2800 mm	2070 mm	7230 mm	2 / 5 °	
	6800 mm	2900 mm	2170 mm	7530 mm	2 / 5 °	
	7400 mm	3100 mm	2370 mm	8130 mm	2 / 5 °	
	7700 mm	3200 mm	2470 mm	8430 mm	2 / 5 °	
	8000 mm	3300 mm	2570 mm	8730 mm	2 / 5 °	
	8420 mm	3440 mm	2710 mm	9150 mm	2 / 5 °	
	8720 mm	3540 mm	2810 mm	9450 mm	2 / 5 °	
	9110 mm	3670 mm	2940 mm	9840 mm	2 / 5 °	
	9620 mm	3840 mm	3110 mm	10350 mm	2 / 5 °	
	9950 mm	3950 mm	3220 mm	10680 mm	2 / 5 °	
	10220 mm	4100 mm	3370 mm	10950 mm	2 / 5 °	
	10520 mm	4200 mm	3470 mm	11250 mm	2 / 5 °	
	10700 mm	4260 mm	3530 mm	11430 mm	2 / 5 °	
	10880 mm	4320 mm	3590 mm	11610 mm	2 / 5 °	
	11120 mm	4400 mm	3670 mm	11850 mm	2 / 5 °	
	11510 mm	4530 mm	3800 mm	12240 mm	2 / 5 °	
ETV 318, ETV 320, ETV 325	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast	Forward/backward tilt of fork carriage
Mast tilt / Triplex mast DZ / cold-formed	4250 mm	2050 mm	1320 mm	4980 mm	1 / 5 °	
	4700 mm	2200 mm	1470 mm	5430 mm	1 / 5 °	
	5000 mm	2300 mm	1570 mm	5730 mm	1 / 5 °	
	5300 mm	2400 mm	1670 mm	6030 mm	1 / 5 °	
	5600 mm	2500 mm	1770 mm	6330 mm	1 / 3 °	
	5900 mm	2600 mm	1870 mm	6630 mm	0.5 / 2 °	
	6200 mm	2700 mm	1970 mm	6930 mm	0.5 / 2 °	
	6500 mm	2800 mm	2070 mm	7230 mm	0.5 / 2 °	
	6800 mm	2900 mm	2170 mm	7530 mm	0.5 / 2 °	
	6950 mm	2950 mm	2220 mm	7680 mm	0.5 / 1 °	
	7400 mm	3100 mm	2370 mm	8130 mm	0.5 / 1 °	
	8000 mm	3300 mm	2570 mm	8730 mm	0.5 / 1 °	
	8420 mm	3440 mm	2710 mm	9150 mm	0.5 / 1 °	
	8720 mm	3540 mm	2810 mm	9450 mm	0.5 / 1 °	
	9110 mm	3670 mm	2940 mm	9840 mm	0.5 / 1 °	
ETV 320	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast	Forward/backward tilt of fork carriage
Fork tilt / Triplex mast DZ / cold-formed	13505 mm	5425 mm	4695 mm	14235 mm	2 / 5 °	
	14000 mm	5590 mm	4860 mm	14730 mm	2 / 5 °	
ETV 320, ETV 325	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of mast	Forward/backward tilt of fork carriage
Fork tilt / Triplex mast DZ / cold-formed	12020 mm	4700 mm	3970 mm	12750 mm	2 / 5 °	
	12530 mm	4870 mm	4140 mm	13260 mm	2 / 5 °	
	12830 mm	4970 mm	4240 mm	13560 mm	2 / 5 °	
	13000 mm	5026 mm	4296 mm	13728 mm	2 / 5 °	

VDI table

Stand-on: 08/2022

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich			
	1.2	Manufacturer's type designation		ETV 318	ETV 320	ETM 325	ETV 325
	1.3	Drive		Electric			
	1.4	Operation		Sideways-seated			
	1.5	Load capacity/load	Q kg	1800	2000	2500	
	1.6	Load centre distance	c mm	600			
	1.8	Load distance, centre of drive axle to fork	x mm	364	412	321	487
	1.8.1	Load distance, centre of drive axle to fork, mast extended	mm	205	230		
	1.9	Wheelbase	y mm	1460	1518	1673	
Weights	2.1.1	Service weight (incl. battery)	kg	3522	3650	3895	3700
	2.3	Axle load unladen front/rear	kg	2074 / 1448	2163 / 1487	2274 / 1621	2264 / 1436
	2.4	Axle load fork forward laden front/rear	kg	446 / 4876	558 / 5092	366 / 6029	602 / 5598
	2.5	Axle load fork back laden front/rear	kg	1805 / 3517	1953 / 3397	2057 / 4338	2032 / 4168
Wheels/suspension system	3.1	Tyres		Polyurethane (PU)			
	3.2	Tyre size, front		Ø 343 x 114		Ø 343 x 140	
	3.3	Tyre size, rear		Ø 285 x 100	Ø 355 x 106	Ø 355 x 135	
	3.5	Wheels, number front/back (x=driven)		1x / 2			
	3.7	Tread width, rear	b ₁₁ mm	1136	1155	1034	1184
Basic dimensions	4.1	Forward/backward tilt of mast	a/β °	1 / 5			
	4.2	Retracted mast height (h ₁)	h ₁ mm	2400			
	4.3	Free lift (h ₂)	h ₂ mm	1670			
	4.4	Lift (h ₃)	h ₃ mm	5300			
	4.5	Extended mast height (h ₄)	h ₄ mm	6030			
	4.7	Height of overhead guard (cab)	h ₆ mm	2190			
	4.8	Seat height/stand height	h ₇ mm	1057			
	4.10	Height of support arms	h ₈ mm	285	355		
	4.19	Overall length	l ₁ mm	2456	2466	2712	2546
	4.20	Length including fork shank	l ₂ mm	1306	1316	1562	1396
	4.21.1	Overall width	b ₁ mm	1270	1290	1198	1348
	4.21.2	Overall width	b ₂ mm	1270		1120	1270
	4.22	Fork dimensions	s/ e/l mm	40 x 120 x 1150	50 x 140 x 1150		
	4.23	Fork carriage connection class		2B			
	4.24	Fork carriage width	b ₃ mm	830			
	4.25	Width across forks	b ₅ mm	335	356		
	4.25.1	Width across forks (min.)	b ₅ mm	335	356		
	4.26	Width between support arms/loading areas	b ₄ mm	940		790	940
	4.28	Reach distance	mm	569	624	551	736
	4.32	Ground clearance centre of wheelbase	m ₂ mm	80	95		
	4.34.1	Aisle width (pallet 1000x1200 sideways)	A _{st} mm	2737	2750	2971	2854
	4.34.2	Aisle width (pallet 800x1200 length)	A _{st} mm	2790	2794	3031	2883
	4.35	Turning radius	W _a mm	1663	1710	1865	
	4.37	Length over the support arms	L ₇ mm	1842	1920	2075	

Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	11 / 11 14 / 14		0 / 0 14 / 14	
	5.2	Lift speed laden/unladen (Efficiency liftPLUS)	m/s	0.32 / 0.64 0.38 / 0.64		0 / 0 0.35 / 0.64	
	5.3	Lowering speed laden/unladen (Efficiency liftPLUS)	m/s	0.55 / 0.55 0.55 / 0.55		0 / 0 0.55 / 0.55	
	5.4	Reach speed laden/unladen (Efficiency liftPLUS)	m/s	0.18 / 0.18 0.2 / 0.2		0 / 0 0.2 / 0.2	
	5.7	Gradeability laden/unladen (Efficiency drivePLUS)	%	7 / 11 7 / 11		0 / 0 7 / 11	
	5.8	Max. gradeability laden/unladen (Efficiency drivePLUS)	%	9 / 13 9 / 13	10 / 15 10 / 15	0 / 0 10 / 15	
	5.9	Acceleration time laden/unladen (Efficiency drivePLUS)	s	5.4 / 5 5.2 / 4.7	5.6 / 5 5.3 / 4.7	0 / 0 5.4 / 4.7	
	5.10	Service brake		electric			
E-motor/Electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	6 8.5		0 8.5	
	6.2	Lift motor, performance with S3 (Efficiency liftPLUS)	kW	13.3 15.5		0 15.5	
	6.3	Battery according to DIN 43531/35/36		DIN 43531 C		DIN 43531 B	DIN 43531 C
	6.4	Battery voltage/nominal capacity	V / Ah	48 / 620		48 / 775	48 / 620
	6.5	Battery weight	kg	1005		1210	1005
	6.6.1	Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	3.77 3.73	3.89 4.57	0 4.57	
	6.6.2	CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	2.1 2	2.1 2.5	-	
	6.7	Throughput (Efficiency PLUS)	t/h	60.85 73.39	67.48 76.51	-	0 95.14
	6.8.1	Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	3.25 4.66	3.54 4.64	0 4.57	
Other	8.1	Type of drive control		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.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**