



## **Electric reach truck**

### **ETV 110 / 112**

**Lift height: 4550-7100 mm / Capacity: 1000-1200 kg**

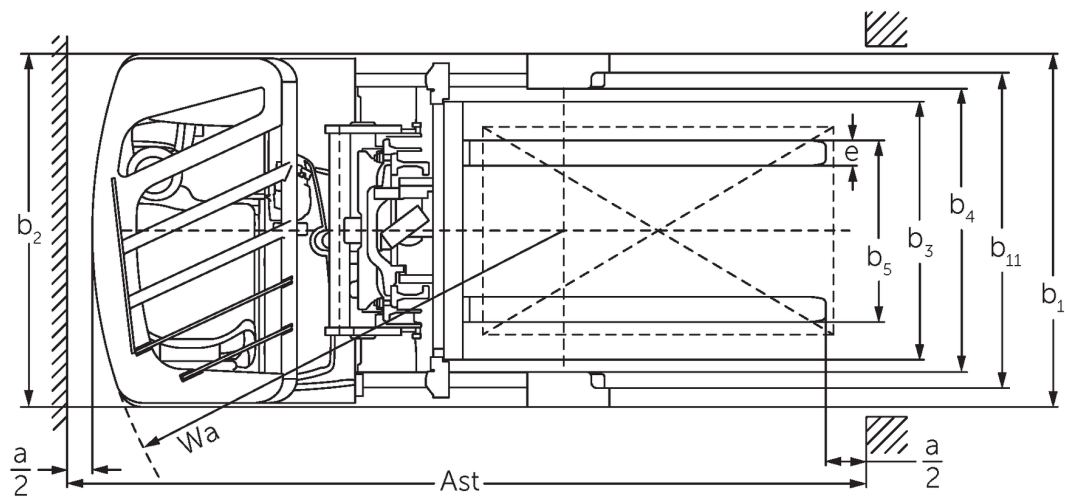
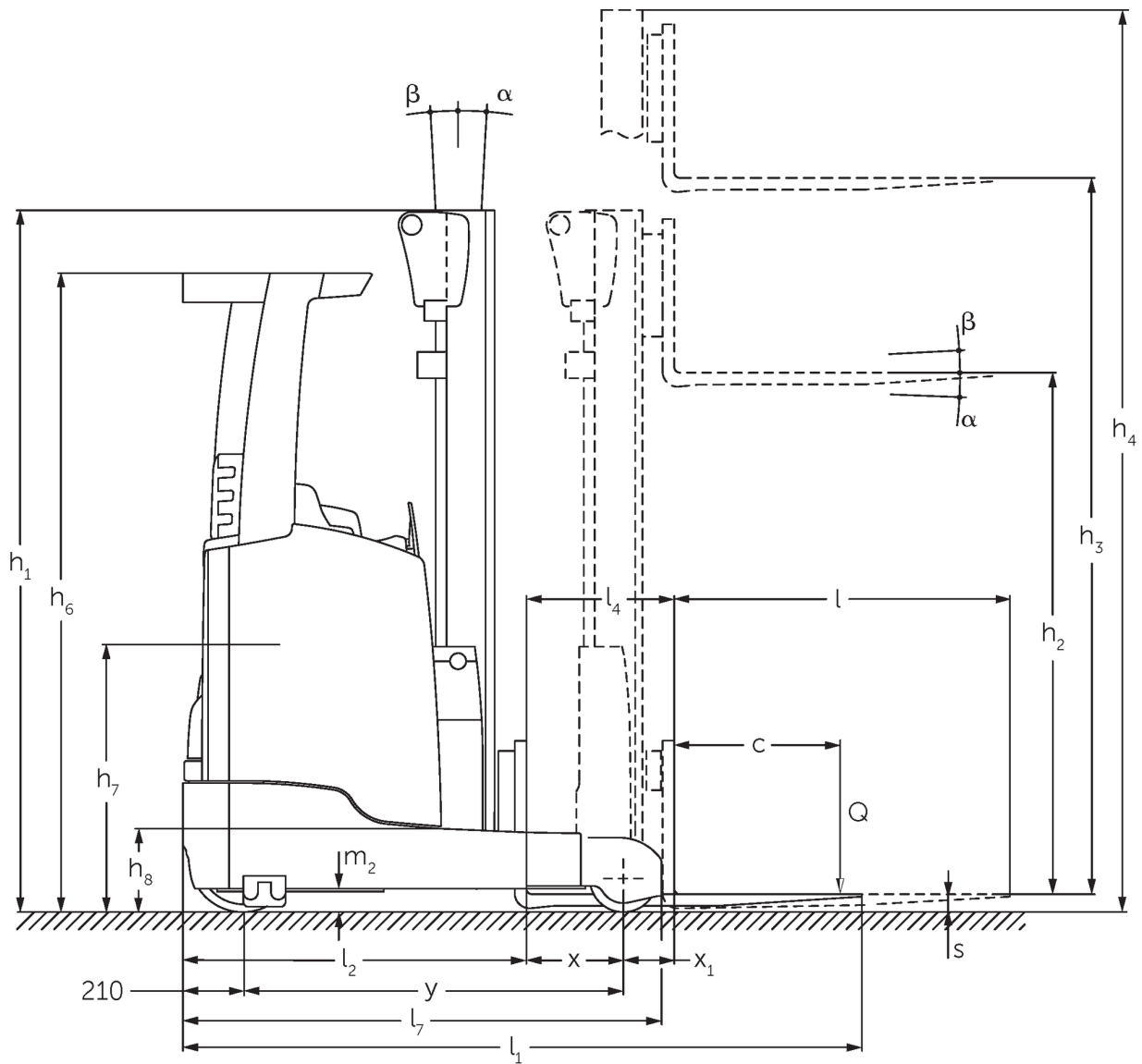
Our versatile and compact series 1 reach trucks are universally applicable vehicles that reach their maximum potential when operating in pallet, drive-through or drive-in racking as well as in extremely narrow or low clearance areas.

Their short chassis and slim support arms for narrow aisle widths create space for the longitudinal pick-up of euro-

pallets – perfect for block storage or oncoming traffic. The 180° and 360° steering allows quick changes of direction and flexible manoeuvring.

Compact design, generous space and high performance data create optimal working conditions for every need. Various assistance systems such as the standard feature curveCONTROL ensure maximum comfort and safety.

# ETV 110 / 112



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ETV 110 , ETV 112	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Tilt of mast forwards/backwards
Mast tilt / Triplex mast DZ / hot-rolled	4550 mm	2050 mm	1408 mm	5192 mm	1° / 3°
	5000 mm	2200 mm	1558 mm	5642 mm	1° / 3°
	5240 mm	2280 mm	1638 mm	5882 mm	1° / 3°
	5300 mm	2300 mm	1658 mm	5942 mm	1° / 3°
	5600 mm	2400 mm	1758 mm	6242 mm	1° / 3°
	5900 mm	2500 mm	1858 mm	6542 mm	1° / 3°
	6200 mm	2600 mm	1958 mm	6842 mm	1° / 3°
	6500 mm	2700 mm	2058 mm	7142 mm	1° / 2°
	6800 mm	2800 mm	2158 mm	7442 mm	1° / 2°
	7100 mm	2900 mm	2258 mm	7742 mm	1° / 2°

# VDI table

Stand-on: 01/2020

Characteristic	Item	Description	Unit	Jungheinrich	
				ETV 110	ETV 112
Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich	
	1.2	Manufacturer's type designation		ETV 110	ETV 112
	1.3	Drive		Electric	
	1.4	Operation		Sideways-seated	
	1.5	Capacity/load	Q kg	1.000	1.200
	1.6	Load centre distance	c mm	600	
	1.8	Load distance, centre of drive axle to fork	x mm	339	424
	1.8.1	Load distance, centre of drive axle to fork, mast extended	mm	170	
	1.9	Wheelbase	y mm	1.300	1.385
Weights	2.1.1	Service weight (incl. battery)	kg	2.560	2.580
	2.3	Axle load unladen front/rear	kg	1.587 / 973	1.587 / 993
	2.4	Axle load fork forward laden front/rear	kg	634 / 2.926	516 / 3.264
	2.5	Axle load fork back laden front/rear	kg	1.282 / 2.278	1.361 / 2.419
Wheels/suspension system	3.1	Tyres		Vulkollan ®	
	3.2	Tyre size, front		Ø 343 x 114	
	3.3	Tyre size, rear		Ø 230 x 85	
	3.5	Wheels, number front/back (x=driven)		1x / 2	
	3.7	Tread width, rear	b <sub>11</sub> mm	993	
Basic dimensions	4.1	Tilt of mast forwards/backwards	a/β °	1 / 3	
	4.2	Retracted mast height (h1)	h <sub>1</sub> mm	2.300	
	4.3	Free lift (h2)	h <sub>2</sub> mm	1.658	
	4.4	Lift (h3)	h <sub>3</sub> mm	5.300	
	4.5	Extended mast height (h4)	h <sub>4</sub> mm	5.942	
	4.7	Height of overhead guard (cab)	h <sub>6</sub> mm	2.190	
	4.8	Seat height/stand height	h <sub>7</sub> mm	1.057	
	4.10	Height of support arms	h <sub>8</sub> mm	265	
	4.19	Overall length	l <sub>1</sub> mm	2.321	
	4.19.4	Length including fork length	l <sub>1</sub> mm	2.321	
	4.20	Length including fork shank	l <sub>2</sub> mm	1.174	
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> mm	1.120	
	4.22	Fork dimensions	s/e/l mm	40 / 80 / 1.150	
	4.23	Fork carriage connection class		2B	
	4.24	Fork carriage width	b <sub>3</sub> mm	800	
	4.25	Width across forks (dimension 1), WaF	b <sub>5</sub> mm	296	
	4.25.1	Width across forks (dimension 2)	b <sub>5</sub> mm	677	
	4.26	Width between support arms/loading areas	b <sub>4</sub> mm	900	
	4.28	Reach distance	mm	509	594
	4.32	Ground clearance centre of wheelbase	m <sub>2</sub> mm	80	
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast mm	2.608	2.627
4.34.1	Aisle width (pallet 800x1200 length)	Ast mm	2.664	2.668	
4.35	Turning radius	W <sub>s</sub> mm	1.515	1.595	
4.37	Length over the support arms	L <sub>7</sub> mm	1.640	1.725	
Performance data	5.1	Travel speed laden/unladen	km/h	11 / 11	
	5.2	Lift speed laden/unladen	m/s	0.48 / 0.70	0.43 / 0.70
	5.3	Lowering speed laden/unladen	m/s	0.50 / 0.50	
	5.4	Reach speed laden/unladen	m/s	0.20 / 0.20	
	5.7	Gradeability laden/unladen	%	7 / 10	

	5.8	Max. gradeability laden/unladen	%	10 / 15	
	5.9	Acceleration time laden/unladen	s	5.1 / 4.8	
	5.10	Service brake		electric	
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	6	
	6.2	Lift motor, performance with S3	kW	13.3	
	6.3	Battery according to DIN 43531/35/36		DIN 43531 B	
	6.4	Battery voltage / nominal capacity	V / Ah	48 / 280	
	6.5	Battery weight	kg	556	
	6.7	Throughput	t/h	44	53
	6.8.1	Energy consumption with max. throughput	kWh/h	2.7	2.9
Miscellaneous	8.1	Type of drive control		Impulse / Mosfet AC	
	10.1	Working 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	

- In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



 **JUNGHEINRICH**

The Jungheinrich logo, featuring a red upward-pointing arrow integrated into the letter 'J', followed by the word 'JUNGHEINRICH' in a bold, black, sans-serif font.