

Reach mast technology
saves space

Optimum energy efficiency

Spacious operator seat

Sensitive operation

Perfect adaptability



ETV 110/112

Electric reach truck (1,000/1,200 kg)

Compact design, high performance figures, innovative technology and optimum ergonomic working conditions – these are the strengths of our Jungheinrich 110/112 reach trucks. Whether for handling pallets or operating in drive-through and drive-in racking, working in extremely narrow areas, low clearances or for single shift or multishift applications: The ETV 110/112 reach trucks offer the right solution for any application.

The main advantages of this series are:

- Space saving with narrow aisle widths from 2664 mm. Thanks to their slim support arms, the ETV 110/112 trucks can pull a Euro pallet back between the support arms, despite their compact outer width of only 1120 mm. This creates more room during operation with oncoming traffic, in block warehouses or in drive-in racking.
- High throughput combined with low energy consumption. This is achieved due to the very latest drive and control technology.

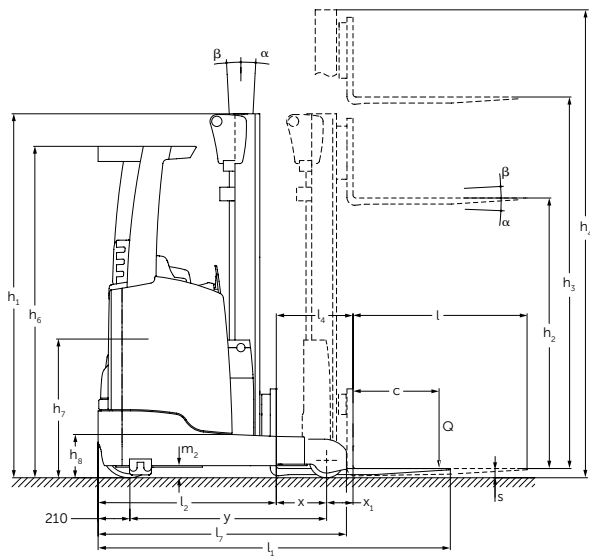
Advanced ergonomics and technology promote productivity:

- Generous cab dimensions and outstanding visibility, both during travel and when stacking and retrieving.
- Automotive layout of the pedals.
- Automatic speed reduction when cornering with curveCONTROL.
- 180° and 360° steering: Operator can choose between minimum turning radius and fast change in travel direction.
- soloPILOT control lever: sensitive stacking even at high lift heights.

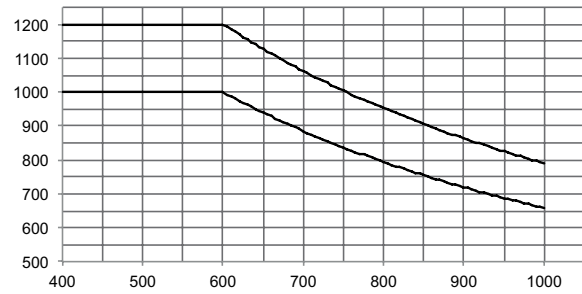
The right configuration for your needs: An extensive range of options including a wide variety of assistance systems and battery versions from 310 to 620 Ah ensures the truck can be adapted to suit any application.

**JUNGHEINRICH**

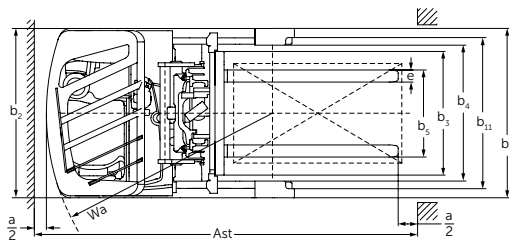
ETV 110/112



Capacity (kg)



Load centre distance "c" in mm



Standard mast designs ETV 110/112					
	Lift h_3 (mm)	Lowered mast height h_1 (mm)	Free lift h_2 (mm)	Extended mast height h_4 (mm)	Mast tilt forward/back α/β (°)
Triplex DZ	4550	2050	1408	5192	1/3
	5000	2200	1558	5642	1/3
	5240	2280	1638	5882	1/3
	5300	2300	1658	5942	1/3
	5600	2400	1758	6242	1/3
	5900	2500	1858	6542	1/3
	6200	2600	1958	6842	1/3
	6500	2700	2058	7142	0.5/2
	6800	2800	2158	7442	0.5/2
	7100	2900	2258	7742	0.5/2

Technical data in line with VDI 2198

			Jungheinrich					
			ETV 110	ETV 112				
Identification	1.1	Manufacturer (abbreviation)	Jungheinrich					
	1.2	Model						
	1.3	Drive	Electric					
	1.4	Manual, pedestrian, stand-on, seated, order picker operation	transverse seat					
	1.5	Load capacity/rated load	Q	t	1	1.2		
	1.6	Load centre distance	c	mm	600			
	1.8	Load distance	x	mm	339 ¹⁾	424 ¹⁾		
	1.8.1	Load distance, mast reached forward	x ₁	mm	170			
	1.9	Wheelbase	y	mm	1,300	1,385		
Weights	2.1.1	Net weight incl. battery (see row 6.5)			kg	2,560	2,580	
	2.3	Axle loading, unladen front/rear			kg	1,587 / 973	1,587 / 993	
	2.4	Axle loading, fork advanced, laden front/rear			kg	634 / 2,926	516 / 3,264	
	2.5	Axle loading, fork retracted, laden front/rear			kg	1,282 / 2,278	1,361 / 2,419	
Wheels / frame	3.1	Tyres			Vulkollan®			
	3.2	Tyre size, front			mm	Ø 343 x 114		
	3.3	Tyre size, rear			mm	Ø 230 x 85		
	3.5	Wheels, number front/rear (x = driven wheels)			1x / 2			
	3.7	Tread width, rear	b ₁₁	mm	993			
Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	1/3 ²⁾			
	4.2	Mast height (lowered)	h ₁	mm	2,300			
	4.3	Free lift	h ₂	mm	1,658			
	4.4	Lift	h ₃	mm	5,300			
	4.5	Extended mast height	h ₄	mm	5,942			
	4.7	Height of overhead guard	h ₆	mm	2,190			
	4.8	Seat height/standing height	h ₇	mm	1,057			
	4.10	height of support arms	h ₈	mm	265 ³⁾			
	4.19	Overall length	l ₁	mm	2,321 ¹⁾			
	4.20	Length to face of forks	l ₂	mm	1,174 ¹⁾			
	4.21	Overall width	b ₁ /b ₂	mm	1,120 / 1,120			
	4.22	Fork dimensions	s/e/l	mm	40 / 80 / 1,150			
	4.23	Fork carriage ISO 2328, class/type A, B			2B			
	4.24	Fork carriage width	b ₃	mm	800			
	4.25	Width across forks	b ₅	mm	296 / 677			
	4.26	Width between support arms/loading areas	b ₄	mm	900			
	4.28	Reach distance	l	mm	509 ¹⁾	594 ¹⁾		
4.32	Ground clearance, centre of wheelbase	m ₂	mm	80				
4.32.1	Ground clearance at lowest point		mm	30				
4.33	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2,608 ¹⁾	2,627 ¹⁾			
4.34	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2,664 ¹⁾	2,668 ¹⁾			
4.35	Turning radius	W _a	mm	1,515	1,595			
4.37	Length across support arms	l ₇	mm	1,640	1,725			
Performance data	5.1	Travel speed, laden/unladen			km/h	11		
	5.2	Lift speed, laden/unladen			m/s	0.48 / 0.7	0.43 / 0.7	
	5.3	Lowering speed, laden/unladen			m/s	0.5 / 0.5		
	5.4	Reaching speed, laden/unladen			m/s	0.2 / 0.2		
	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			
	Electrics	6.1	Drive motor, output S2 60 min.			kW	6.0	
		6.2	Lift motor, output at S3 15%			kW	13.3	
6.3		Battery as per DIN 43531/35/36 A, B, C, no			DIN 43531 - B			
6.4		Battery voltage/nominal capacity K5			V/Ah	48 / 280		
6.5		Battery weight			kg	556		
6.6		Energy consumption according to VDI cycle			kWh/h	2.6	2.9	
6.7		Throughput			t/h	44	53	
6.8		Energy consumption at max. throughput			kWh/h	2.7	2.9	
Misc.	8.1	Type of drive control			Impuls/ Mosfet AC			
	8.2	Working pressure for attachments			bar	150		
	8.3	Oil flow for attachments			l/min	20		
	8.4	Sound pressure level at operator's ear as per EN 12053			dB (A)	68		

¹⁾ different battery sizes change these values

²⁾ mast-dependent

³⁾ With load wheel cover: + 30 mm

Benefit from the advantages



Compact frame



Unobstructed visibility thanks to panorama roof



soloPILOT



Colour display

The wide frame is as narrow as possible

The right frame width for every application:

- The ETV 110/112 has an outer width of 1120 mm – ideal for drive-in racking or block storage.
- Euro pallets can be picked up lengthwise between the support arms just as easily as they can be by a truck with a larger frame width.

Ergonomic cockpit

Maximum performance due to the comfortable operator seat.

- Fabric seat with adjustment options for seating position, backrest and body weight.
- Plenty of storage options.
- Important controls within easy reach.
- Generous space, even for tall operators.
- Electric steering (choose 180° or 360° mode). When driving in a straight line, the steering wheel spinner knob is always at the optimum ergonomic position.
- Automotive layout of the pedals.
- Optional panorama overhead guard provides a clear view of the raised load.

soloPILOT control lever

- The control lever for activating all hydraulic functions, also selects the direction of travel and the horn.
- All controls are within the operator's field of vision and a single function is clearly assigned to each one.
- Travel direction switch, features intuitive direction change.
- Sensitive control of all functions for operating accuracy within millimetres.
- Additional attachments, such as an optional fork positioner are also optimally controlled with the soloPILOT.
- multiPILOT available as an option.

Easy-to-read operator display

The most important operating data at a glance:

- Display of direction of travel and wheel position.
- Battery status, with display of time remaining until the next charge required.
- 3 adjustable travel programs for individual adjustment to any requirements.
- Operating hours and time of day.
- Lift height (optional).
- Load weight (optional).
- EasyAccess – Keyless access system via softkey, PIN code or optional transponder card.

High-performance masts

Our masts ensure maximum safety and effective utilisation of warehouse capacity at extreme heights. The strengths:

- Excellent visibility of the load.
- Integrated sideshift.
- Low clearances at high lift heights.
- High-quality sections provide an extremely long service life.
- High residual capacities even at extreme lift heights.
- Triplex masts with lifting heights up to 7100 mm and mast tilt.

Assistance systems (optional)

- positionCONTROL with SNAP function enables simple and fast stacking without additional pressing of buttons.
- Fork camera with ergonomically adjustable monitor. For particularly safe and efficient stacking and retrieval.
- Weight control at the push of a button to provide reassurance that the residual capacity has not been exceeded. The load weight is displayed on the operator display at the touch of a button (50 kg tolerance).

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The German production facilities in Norderstedt, Moosburg and Landsberg are certified. **ISO 9001**
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.



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