

Reach mast technology
saves space

Maximum throughput with the
lowest energy consumption

Spacious operators seat

Sensitive handling whilst
driving and lifting

Assistance systems to
adapt trucks to your
specific application



ETV 110/112

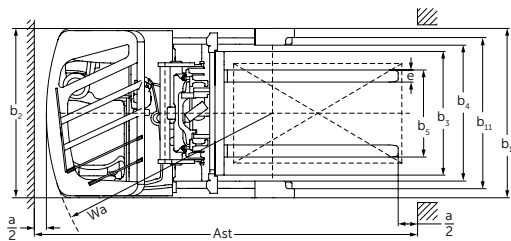
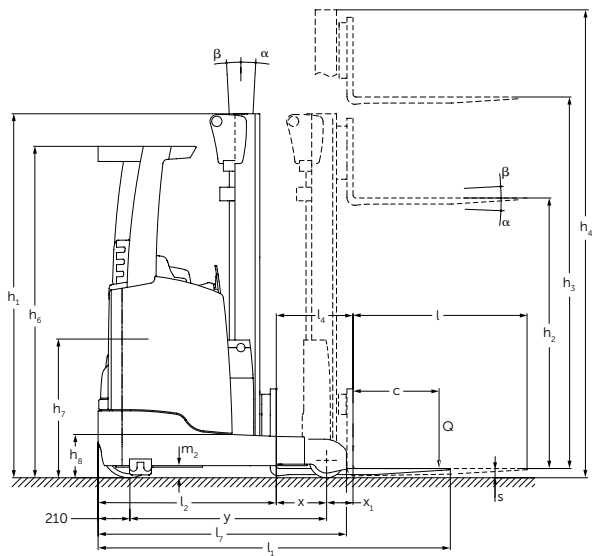
Electric reach truck (1,000/1,200 kg)

Space-saving design, high performance, innovative technology and optimum ergonomic working conditions. These are the strengths of our ETV 110/112 reach trucks. Whether for use in operating in pallet, drive-through or drive-in racking. Whether for extremely narrow areas or low clearances. Whether for single shift or multishift operation: The 110/112 reach trucks offer the perfect solution for every application.

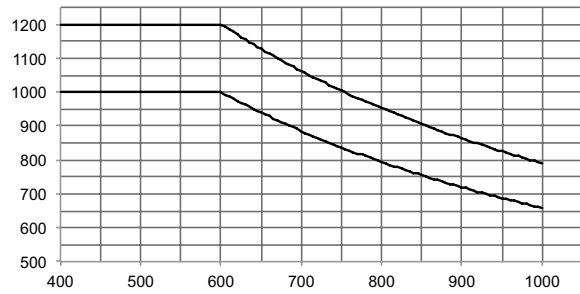
The main advantages:

- Space saving with narrow aisle widths from 2664 mm. With its slim support arms, the ETV 110/112 can pull a Euro pallet back between the support arms – despite its compact outer width of only 1120 mm. This creates more room during operation with oncoming traffic in block-stacked warehouses or in drive-in racking.
- The very latest drive and control technology ensures greater productivity whilst at the same time reducing energy consumption.
- The advanced ergonomics and technology increase the productivity of the operators, thanks to: A generously dimensioned cab and outstanding visibility both during travel and when stacking and retrieving. Automotive layout of pedals. Curve Control – the automatic reduction of speed when cornering.
- 180° and 360° steering: Allows the operator to select minimum turning radius or fastest change in travel direction.
- SOLO-PILOT control lever: For sensitive stacking, even at high lift heights.
- The right configuration for your needs: An extensive catalogue of options with a wide variety of assistance systems and battery versions from 310 to 620 Ah ensures the truck can be adapted to suit any application.

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

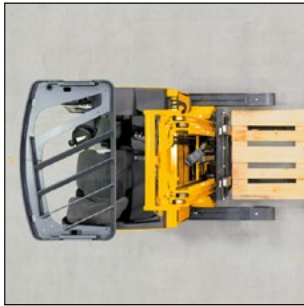
			Jungheinrich					
			ETV 110	ETV 112				
Identification	1.1	Manufacturer (abbreviation)	Jungheinrich					
	1.2	Model						
	1.3	Drive	Electric					
	1.4	Manual, pedestrian, stand-on, seated, order picker operation	transverse seat					
	1.5	Load capacity/rated load	Q	t	1	1.2		
	1.6	Load centre distance	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 load without load front/rear			kg	1,587 / 973	1,587 / 993	
	2.4	Axle loading forks forward with load at front / rear			kg	634 / 2,926	516 / 3,264	
	2.5	Axle loading forks retracted with load at 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/stand height	h ₇	mm	960			
	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 surfaces	b ₄	mm	900			
	4.28	Mast reach	l ₄	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 sideways	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 over the 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	Traverse speed w. / w.o. load			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 w. / w.o. load			S	5.1 / 4.8		
	5.10	Service brake			electric			
	Electrics	6.1	Drive motor, output S2 60 min.			kW	4.5	
		6.2	Lift motor, output at S3 15%			kW	11.5	
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 chassis



SOLO-PILOT



Storage facilities



Ergonomic cab

The wide frame is as narrow as possible

The right chassis 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 wheel arms just as easily as they can be by a truck with a larger frame width.

Ergonomic cockpit

The comfort of the operator's seat provides the ideal working conditions for maximum performance.

- Fabric seat with adjustment options for seating position, backrest and body weight.
- Plenty of storage options.
- Important truck controls are 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.
- Standard automotive layout of pedals.

SOLO-PILOT control lever

- The control lever for activating all hydraulic functions and also selecting the direction of travel and the horn:
- All the controls are within the operator's field of vision and are clearly designated for each specific function.
- Travel direction switch features intuitive direction change.
- Sensitive control of all functions for operating accuracy within millimetres.
- Additional attachments, such as fork positioners (optional), are also easily controlled with the SOLO-PILOT.

Easy-to-read operator display

High-quality control instruments for displaying the most important operating data.

- Display of direction of travel and wheel position.
- Battery status with display of time remaining until the next charging.
- A choice of three travel programmes for individual adaptation to any needs.
- Operating hours and time of day.
- Lift height (optional)
- Load weight (optional)

High-performance mast

Our masts ensure maximum safety and utilisation of warehouse capacity at high heights. Their strengths:

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

Assistance systems (optional)

- Position Control with SNAP function for 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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Machines. Ideas. Solutions.