

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 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:

- Saving of space 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 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 increases operator productivity, thanks to:

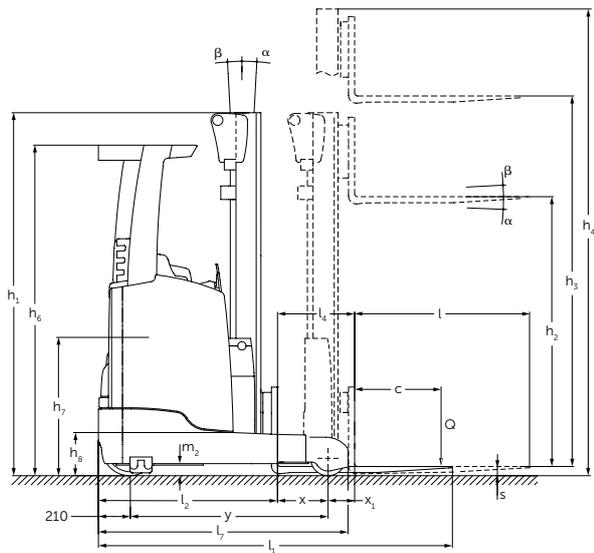
- A generously dimensioned cab and outstanding visibility both during travel and when stacking and retrieving.
- Automotive layout of pedals.
- Curve Control – the automatic reduction of speed when cornering.

180° and 360° steering: Allows the operator to select minimum turning radius or fastest change in travel direction.

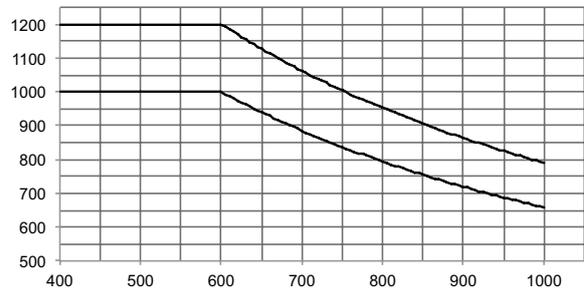
soloPILOT control lever: For sensitive stacking, even at high lift heights.

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.

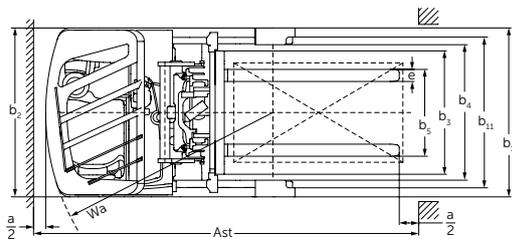
# ETV 110/112



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 $\alpha/\beta$ (°)
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

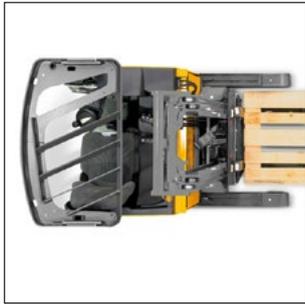
			Jungheinrich				
			ETV 110	ETV 112			
Identification	1.1	Manufacturer (abbreviation)	Jungheinrich				
	1.2	Model					
	1.3	Drive	Electric				
	1.4	Manual, pedestrian, stand-on, seated, order picker operation	transverse seat				
	1.5	Load capacity/rated load	Q	t	1	1.2	
	1.6	Load centre distance	c	mm	600		
	1.8	Load distance	x	mm	339 <sup>1)</sup>	424 <sup>1)</sup>	
	1.8.1	Load distance, mast reached forward	x <sub>1</sub>	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	
	3.1	Tyres			Vulkollan®		
Wheels / frame	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 <sub>11</sub>	mm	993		
	Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	°	1/3 <sup>2)</sup>	
		4.2	Mast height (lowered)	h <sub>1</sub>	mm	2,300	
		4.3	Free lift	h <sub>2</sub>	mm	1,658	
4.4		Lift	h <sub>3</sub>	mm	5,300		
4.5		Extended mast height	h <sub>4</sub>	mm	5,942		
4.7		Height of overhead guard	h <sub>6</sub>	mm	2,190		
4.8		Seat height/stand height	h <sub>7</sub>	mm	960		
4.10		height of support arms	h <sub>8</sub>	mm	265 <sup>3)</sup>		
4.19		Overall length	l <sub>1</sub>	mm	2,321 <sup>1)</sup>		
4.20		Length to face of forks	l <sub>2</sub>	mm	1,174 <sup>1)</sup>		
4.21		Overall width	b <sub>1</sub> /b <sub>2</sub>	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 <sub>3</sub>	mm	800		
4.25		Width across forks	b <sub>5</sub>	mm	296 / 677		
4.26		Width between support arms/loading surfaces	b <sub>4</sub>	mm	900		
4.28		Mast reach	l <sub>4</sub>	mm	509 <sup>1)</sup>	594 <sup>1)</sup>	
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	80		
4.32.1		Ground clearance at lowest point		mm	30		
4.33		Aisle width for pallets 1000 x 1200 sideways	Ast	mm	2,608 <sup>1)</sup>	2,627 <sup>1)</sup>	
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2,664 <sup>1)</sup>	2,668 <sup>1)</sup>		
4.35	Turning radius	W <sub>a</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		
	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	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		

<sup>1)</sup> different battery sizes change these values

<sup>2)</sup> mast-dependent

<sup>3)</sup> With load wheel cover: + 30 mm

# Benefit from the advantages



Compact chassis



Unobstructed visibility thanks to panorama roof



soloPILOT



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 support arms just as easily as they can be by a truck with a larger frame width.

## Ergonomic cab

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.

- Panoramic overhead guard for an unobstructed view of the raised load (optional).

## soloPILOT 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.
- Extra attachments – e.g. a fork positioner (optional) – can be comfortably controlled with the soloPILOT.
- multiPILOT available as option.

## Easy-to-read colour 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 programs for individual adaptation to any needs.
- Operating hours and time of day.
- Lift height (optional).

- Load weight (optional).
- EasyAccess: Keyless access system via softkey, PIN code or transponder card (optional).

## High-performance mast

Our masts ensure maximum safety and utilisation of warehouse capacity at high heights. The 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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