

Reach mast technology saves space

Maximum throughput with the lowest energy consumption

Generously designed operator seat

Sensitive handling while driving and lifting

Assistance systems to adapt trucks to your specific application



ETV 318

Electric reach truck (1,800 kg)

Space-saving design, high performance, innovative technology and optimum ergonomic working conditions. These are the strengths of the Jungheinrich Reach Truck Model ETV 318 whatever the task - for working with pallets, drive-through or drive-in racking; for extremely narrow areas or low heights; for single-shift or multi-shift operation. ETV 318 reach trucks offer the right solution for any application.

The main advantages:

Narrow working aisles, as little as 2790mm save space. Residual capacities of 1000kg to over 11.5 metres lift height.

The very latest drive and control technology ensure greater productivity whilst at the same time reducing energy consumption.

The advanced ergonomics and technology promote productivity and motivate drivers:

With a generously dimensioned cab and outstanding visibility through the panoramic overhead guard both when in motion and whilst stacking a pallet.

The same pedal configuration as in a car ensures safe operation.

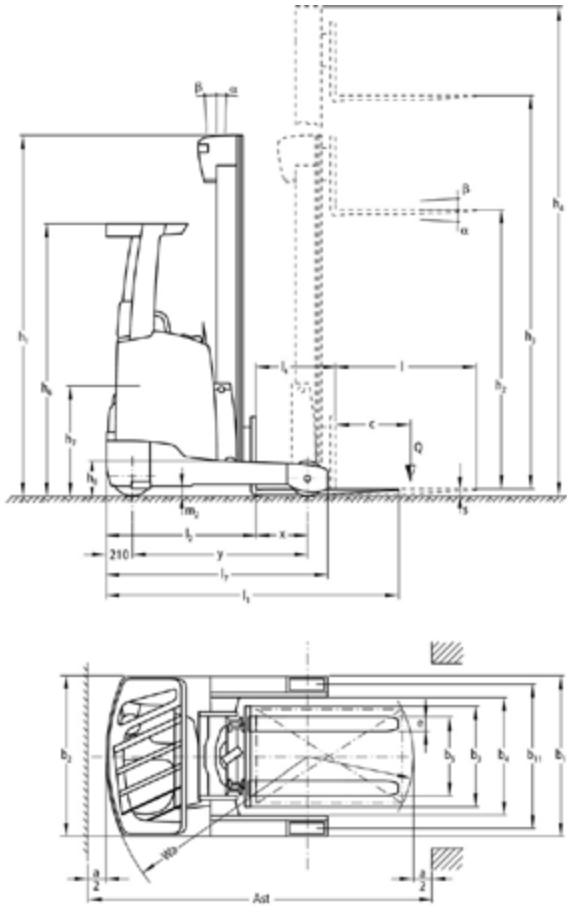
With Curve Control – automatic speed reducing while cornering.

180° and 360° steering: Allows the operator to select between minimum turning radius and fastest travel direction change. The steering wheel spinner knob is always positioned at the ergonomically optimum 9 o'clock position when driving in a straight line.

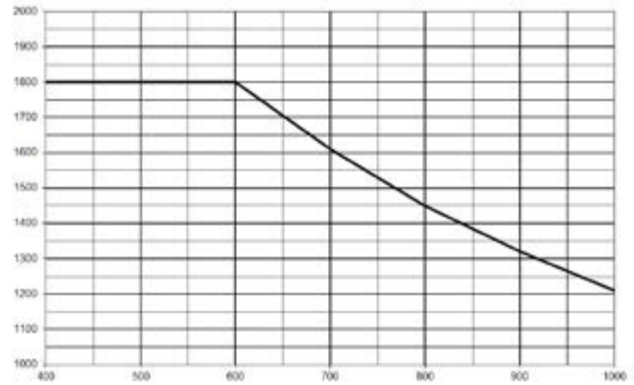
SOLO-PILOT control lever: For sensitive stacking, even at high lift heights.

The right configuration for your needs: An extensive range of options with a wide variety of assistance systems and battery versions from 560 to 775 Ah ensures the truck can be adapted to suit any application.

ETV 318



Capacity



Load centre distance "c" in mm

Standard mast types ETV 318						
	Lift h3	Lowered mast height h1	Free lift h2	Extended mast height h4	Mast tilt forward / back α/β (°)	Tilt forks forward / back α/β (°)
	(mm)	(mm)	(mm)	(mm)		
DZ	4250	2050	1320	4996	1/5	-
	4700	2200	1470	5446	1/5	-
	5000	2300	1570	5746	1/5	-
	5300	2400	1670	6046	1/5	-
	5560	2480	1750	6286	1/3	-
	5600	2500	1770	6346	1/3	-
	5900	2600	1870	6646	0.5/2	-
	6050	2650	1920	6796	0.5/2	-
	6200	2700	1970	6946	0.5/2	2/5
	6500	2800	2070	7246	0.5/2	2/5
	6800	2900	2170	7546	0.5/2	2/5
	6950	2950	2220	7696	0.5/2	2/5
	7400	3100	2370	8146	0.5/1	2/5
	7700	3200	2470	8446	-	2/5
	8000	3300	2570	8746	0.5/1	2/5
	8420	3440	2710	9166	0.5/1	2/5
	8720	3540	2810	9466	0.5/1	2/5
	9110	3670	2940	9856	0.5/1	2/5
	9620	3840	3110	10366	-	2/5
	9950	3950	3220	10696	-	2/5
10220	4100	3370	10966	-	2/5	
10520	4200	3470	11266	-	2/5	
10700	4260	3530	11446	-	2/5	
10880	4320	3590	11626	-	2/5	
11120	4400	3670	11866	-	2/5	
11510	4530	3800	12256	-	2/5	

Technical data in line with VDI 2198

as at: 03/2013

Identification	1.1	Manufacturer (short form)		Jungheinrich	
	1.2	Manufacturer's type designation		ETV 318	
	1.3	Drive		Electric	
	1.4	Operation		transverse seat	
	1.5	Capacity / rated load	Q t	1.8	
	1.6	Load centre distance	c mm	600	
	1.8	Load distance	x mm	364 ¹⁾	
	1.8.1	Load distance, mast reached forward	x mm	205	
	1.9	Wheelbase	y mm	1460	
Weights	2.1.1	Service weight incl. battery	kg	3522	
	2.3	Axle load, w.o. load, front / rear	kg	2074 / 1448	
	2.4	Axle loading forks forward with load at front / rear	kg	446 / 4876	
	2.5	Axle loading forks retracted with load at front / rear	kg	1805 / 3517	
Wheels / chassis	3.1	Tyres		Vulkollan ®	
	3.2	Tyre size, at front	mm	Ø 343 x 114	
	3.3	Tyre size, at rear	mm	Ø 285 x 100	
	3.5	Number of wheels front/rear (x = powered)		1x / 2	
3.7	Track width, rear	b11 mm	1136		
Basic dimensions	4.1	Mast tilt forward / back	α/β °	1/5 ²⁾	
	4.2	mast height (lowered)	h1 mm	2400	
	4.3	Free lift	h2 mm	1670	
	4.4	Lift	h3 mm	5300	
	4.5	Extended mast height	h4 mm	6046	
	4.7	Height of overhead guard	h6 mm	2190	
	4.8	Seat height	h7 mm	1057	
	4.10	Height of support arms	h8 mm	285 ⁷⁾	
	4.19	Total length with fork length 1150 mm	l1 mm	2418	
	4.20	Length incl. back of forks	l2 mm	1308	
	4.21	Total width	b1/b2 mm	1270 / 1270	
	4.22	Fork dimensions	s/e/l mm	40 / 120 / 1150	
	4.23	Fork carriage ISO 2328, class / type A, B		2B	
	4.24	Fork carriage width	b3 mm	830	
	4.25	Width over forks	b5 mm	335 / 730	
	4.26	Width between support arms / loading areas	b4 mm	940	
	4.28	Mast reach	l4 mm	569	
	4.32	Floor clearance centre wheelbase	m2 mm	80	
4.32.1	Ground clearance at lowest point	mm	30		
4.33	Working aisle width for 1000 x 1200 pallet traverse	Ast mm	2737		
4.34	Working aisle width for 800 x 1200 pallet longit.	Ast mm	2790		
4.35	Turning radius	Wa mm	1663		
4.37	Length over the support arms	l7 mm	1842		
Performance data	5.1	Travel speed, w. / w.o. load	km/h	14 / 14 ⁵⁾	
	5.2	Lift speed, w. / w.o. load	m/s	0.38 / 0.64 ⁶⁾	
	5.3	Lower speed, w. / w.o. load	m/s	0.55 / 0.55	
	5.4	Traverse speed w. / w.o. load	m/s	0.22 / 0.22 ⁶⁾	
	5.7	Gradeability w. / w.o. load	%	7 / 11	
	5.8	Max. gradient performance with/without load	%	9 / 13	
	5.9	Acceleration time w. / w.o. load	s	4.6 / 4.2 ⁵⁾	
	5.10	Service brake		electric	
	Electrics	6.1	Drive motor, output S2 (KD) 60 min	kW	6.9 ⁵⁾
		6.2	Lift motor, output at S3 (on time) 15%	kW	14.0 ⁶⁾
6.3		Battery according to DIN 43531/35/36 A,B,C, no		DIN 43531 - C	
6.4		Battery voltage, nominal capacity K5	V/Ah	48 / 620 ³⁾	
6.5		Battery weight	kg	1005	
6.6		Energy consumption according to VDI cycle	kW/h	4 ⁴⁾	
6.7		Throughput efficiency	t/h	73 ⁴⁾	
6.8		Energy consumption at max. throughput	kW/h	4 ⁴⁾	
Misc.	8.1	Type of drive control		Mosfet / AC	
	8.2	Working pressure for attachments	bar	160	
	8.3	Oil flow for attachments	l/min	15	
	8.4	Sound pressure level at operator's ear according to EN 12053	dB (A)	68	

¹⁾ Different battery sizes change these values

²⁾ Mast-dependent

³⁾ maximum size of battery is 775 Ah

⁴⁾ With Drive & Lift Plus options package

⁵⁾ With Drive Plus options package

⁶⁾ With Lift Plus options package

⁷⁾ With load wheel cover: + 30 mm

Benefit from the advantages

Ergonomic cockpit

The operator position provides ideal working conditions for relaxed, maximum performance.

- Panoramic overhead guard for an unobstructed view of the raised load
- 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°). When driving in a straight line, the steering wheel spinner knob is always at the optimum ergonomic position.
- Pedals configured in the same way as for a car.



Ergonomic cab

SOLO-PILOT control lever

Control lever for activating all hydraulic functions and the horn and for selecting the travel direction.

- All the controls are within the operators 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 such as a fork positioner (optional) are also conveniently controlled by the SOLO-PILOT.



SOLO-PILOT

Easy-to-read driver's display

High quality operators display showing the most important operating data.

- Travel direction and wheel position display.
- Battery status with display of residual time until the next charging.
- A choice of three travel programmes adapt individually to each application.
- Service hours and time.
- Lift height (optional).
- Load weight (optional).
- Residual capacity (optional).

High-performance mast

Jungheinrich masts provide maximum safety and space utilisation of warehouse capacity at high heights:

- Triplex masts with lifting heights up to 11,500 mm.
- Outstanding visibility over the load.
- Lowest clearances for high lift heights.
- Large high residual capacities even at high lift heights.
- Mast reach damping (optional).
- Energy recovery through regenerative lowering (optional).

Optional packages for different conditions of use

- "Efficiency" for longest uptime with a battery.
- "Drive Plus" for applications with frequent long routes.
- "Lift Plus" for extensive lifting to high lift heights.
- Holder for radio data terminal, writing pad or video monitor.



Wide variety of options packages

Assistance systems (optional)

For more achievement and less load:

- Operation control: The load weight is sequentially measured and compared to the remaining load-carrying capacity of the vehicle. Near the limit an optical and acoustic warning alerts the operator.
- Position control: For a simple and a fast a piles without additional pressing of keys.
- Warehouse control: Orders are transferred automatically by the stock management system. Thus incorrect operations are avoided.
- Anti-slip regulation (ASR): For more traction on wet or dusty ground.

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Jungheinrich fork lift trucks
 meet European safety require-
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