

Reach mast technology
saves space

Optimum energy efficiency

Generously designed
operator environment

Sensitive operation

Perfect adaptability

LION
technology



ETV 318/320/325/ETM 325

Electric reach truck (1,800/2,000/2,500 kg)

Compact design, high performance figures, innovative technology and optimum ergonomic working conditions, these are the strengths of Jungheinrich reach trucks. Whether they are being used in pallet, drive-through or drive-in racking. Whether for extremely narrow areas or low clearances. Whether for single shift or multishift operation: The Series 3 reach trucks offer the perfect solution for every application.

The main advantages of this series are:

- Space saving with narrow aisle widths from 2790 mm.
- Residual capacities of 1000 kg to 13 m lift height.
- Greater throughput while simultaneously reducing energy consumption. This is achieved due to the very latest drive and control technology.

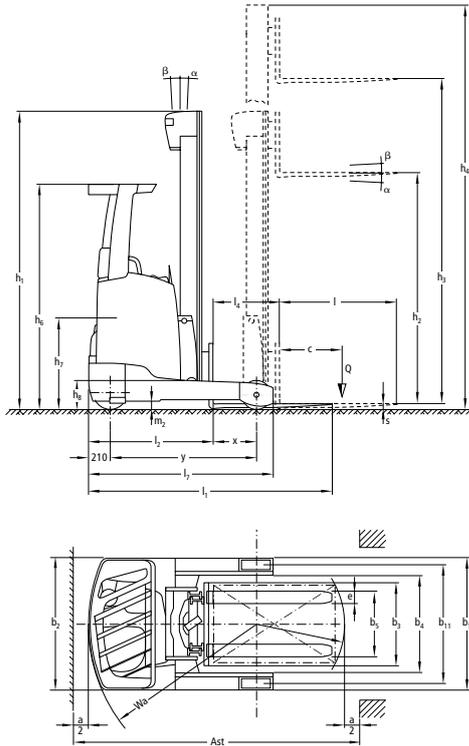
Advanced ergonomics and technology promote productivity:

- Generously dimensioned cab and outstanding visibility both during travel and when stacking pallets.
- 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. When travelling straight ahead, the steering wheel spinner knob is always positioned at the ergonomically ideal 9 o'clock position.
- soloPILOT control lever: sensitive stacking even at high lift heights.

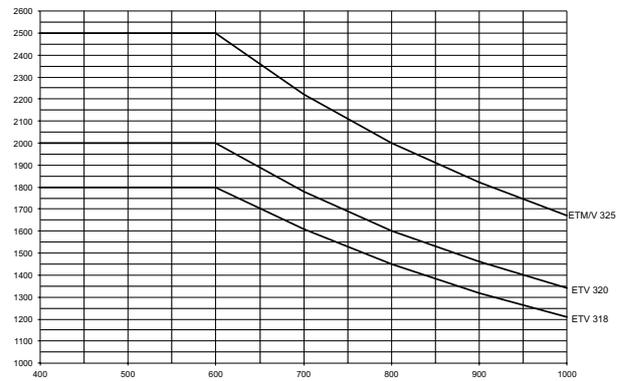
The right configuration for your needs: An extensive catalogue of options with a wide variety of assistance systems and battery versions, from 560 to 930 Ah ensures the truck can be adapted to suit any application.

JUNGHEINRICH

ETV 318/320/325/ETM 325



Capacity (kg)



Load centre distance "c" in mm

Standard mast types ETV 318/ETV 320/ETM 325/ETV 325						
Designation	Lift h_3 (mm)	Closed height h_1 (mm)	Free lift h_2 (mm)	Extended height h_4 (mm)	Mast tilt forward/back a/β (°)	Fork tilt forward/backward a/β (°)
Triplex 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	-
	5600	2500	1770	6346	1/3	-
	5900	2600	1870	6646	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
	7400	3100	2370	8146	0,5/1	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	
12020 ²⁾	4700	3970	12766	-	2/5	
12530 ²⁾	4870	4140	13276	-	2/5	
12830 ²⁾	4970	4240	13576	-	2/5	
13000 ²⁾	5026	4296	13746	-	2/5	

Fork tilt for ETV series only
Only ETV 320 / 325

Technical data in line with VDI 2198

		Jungheinrich						
			ETV 318	ETV 320	ETM 325	ETV 325		
Identification	1.1	Manufacturer (abbreviation)						
	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	1.8	2	2.5	2.5
	1.6	Load centre distance	c	mm	600			
	1.8	Load distance	x	mm	364 ¹⁾	412 ¹⁾	389 ¹⁾	487 ¹⁾
	1.8.1	Load distance, mast reached forward	x ₁	mm	205	230	230	230
	1.9	Wheelbase	y	mm	1,460	1,518	1,673	1,673
Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	3,522	3,650	3,895	3,700
	2.3	Axle loading, unladen front/rear		kg	2,074 / 1,448	2,163 / 1,487	2,274 / 1,621	2,264 / 1,436
	2.4	Axle loading, fork advanced, laden front/rear		kg	446 / 4,876	558 / 5,092	366 / 6,029	602 / 5,598
	2.5	Axle loading, fork retracted, laden front/rear		kg	1,805 / 3,517	1,953 / 3,397	2,057 / 4,338	2,032 / 4,168
Wheels / frame	3.1	Tyres	Vulkollan®					
	3.2	Tyre size, front		mm	Ø 343 x 114	Ø 343 x 114	Ø 343 x 140	Ø 343 x 140
	3.3	Tyre size, rear		mm	Ø 285 x 100	Ø 355 x 106	Ø 355 x 135	Ø 355 x 135
	3.5	Wheels, number front/rear (x = driven wheels)			1x / 2			
	3.7	Tread width, rear	b ₁₁	mm	1,136	1,155	1,034	1,184
Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	1/5 ²⁾			
	4.2	Mast height (lowered)	h ₁	mm	2,400			
	4.3	Free lift	h ₂	mm	1,670			
	4.4	Lift	h ₃	mm	5,300			
	4.5	Extended mast height	h ₄	mm	6,046			
	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	285 ⁷⁾	355 ⁷⁾	355 ⁷⁾	355 ⁷⁾
	4.19	Overall length	l ₁	mm	2,418 ¹⁾	2,459 ¹⁾	2,547 ¹⁾	2,547 ¹⁾
	4.20	Length to face of forks	l ₂	mm	1,306 ¹⁾	1,316 ¹⁾	1,494 ¹⁾	1,396 ¹⁾
	4.21	Overall width	b ₁ /b ₂	mm	1,270 / 1,270	1,290 / 1,270	1,198 / 1,120	1,348 / 1,270
	4.22	Fork dimensions	s/e/l	mm	40 / 120 / 1,150	50 / 140 / 1,150	50 / 140 / 1,150	50 / 140 / 1,150
	4.23	Fork carriage ISO 2328, class/type A, B			2B			
	4.24	Fork carriage width	b ₃	mm	830			
	4.25	Width across forks	b ₅	mm	335 / 730	356 / 750	356 / 580	356 / 750
	4.26	Width between support arms/loading areas	b ₄	mm	940	940	790	940
	4.28	Reach distance	l	mm	569 ¹⁾	624 ¹⁾	703 ¹⁾	736 ¹⁾
4.32	Ground clearance, centre of wheelbase	m ₂	mm	80	95	95	95	
4.32.1	Ground clearance at lowest point		mm	30				
4.33	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	2,737 ¹⁾	2,750 ¹⁾	2,921 ¹⁾	2,854 ¹⁾	
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2,790 ¹⁾	2,794 ¹⁾	2,969 ¹⁾	2,883 ¹⁾	
4.35	Turning radius	W _a	mm	1,663	1,710	1,865	1,865	
4.37	Length across support arms	l ₇	mm	1,842	1,920	2,075	2,075	
Performance data	5.1	Travel speed, laden/unladen		km/h	14 / 14 ⁵⁾	14 / 14 ⁵⁾	14 / 14	14 / 14
	5.2	Lift speed, laden/unladen		m/s	0.38 / 0.64 ⁶⁾	0.38 / 0.64 ⁶⁾	0.35 / 0.64	0.35 / 0.64
	5.3	Lowering speed, laden/unladen		m/s	0.55 / 0.55			
	5.4	Reaching speed, laden/unladen		m/s	0.2 / 0.2 ⁶⁾	0.2 / 0.2 ⁶⁾	0.2 / 0.2	0.2 / 0.2
	5.7	Gradeability, laden/unladen		%	7 / 11			
	5.8	Max. gradeability, laden/unladen		%	9 / 13	10 / 15	10 / 15	10 / 15
	5.9	Acceleration time, laden/unladen		S	4.6 / 4.2 ⁵⁾	4.6 / 4.2 ⁵⁾	5.4 / 4.8	5.4 / 4.8
	5.10	Service brake			electric			
	6.1	Drive motor, output S2 60 min.		kW	8.5 ⁵⁾	8.5 ⁵⁾	8.5	8.5
	6.2	Lift motor, output at S3 15%		kW	15.5 ⁶⁾	15.5 ⁶⁾	15.5	15.5
6.3	Battery as per DIN 43531/35/36 A, B, C, no			DIN 43531 - C	DIN 43531 - C	DIN 43531 - B	DIN 43531 - C	
6.4	Battery voltage/nominal capacity K5		V/Ah	48 / 620 ³⁾	48 / 620	48 / 775	48 / 620	
6.5	Battery weight		kg	1,005	1,005	1,210	1,005	
6.6	Energy consumption according to VDI cycle		kWh/h	4.3 ⁴⁾	4.5 ⁴⁾	4.9	4.9	
6.7	Throughput		t/h	72.8 ⁴⁾	85.4 ⁴⁾	99.2	99.2	
6.8	Energy consumption at max. throughput		kWh/h	4.1 ⁴⁾	4.15 ⁴⁾	4.3	4.3	
Misc.	8.1	Type of drive control			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⁾ Maximum battery size 775 Ah

⁴⁾ With drive&liftPLUS options package

⁵⁾ With drivePLUS options package

⁶⁾ With liftPLUS options package

⁷⁾ With load wheel cover: + 30 mm

Benefit from the advantages



Ergonomic cockpit



Unobstructed visibility thanks to panorama roof



soloPILOT



Colour display

High-performance mast

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

- Triplex masts with lifting heights up to 13,000 mm.
- Excellent visibility of the load.
- Low clearances at high lift heights.
- High residual capacities even at extreme lift heights.
- Optional mast reach cushioning.

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.

Assistance systems and options

For more power and full load stability:

- operationCONTROL continuously measures the load weight and compares it with the residual capacity of the truck. An optical warning on the operator display as well as an acoustic warning are triggered when approaching the limit value.

- positionCONTROL with SNAP function enables simple and fast stacking without additional pressing of buttons.
- liftNAVIGATION transfers stacking orders automatically from the warehouse management system. This prevents stacking errors.
- The anti-slip system ensures more traction on wet or dusty floors.
- Fork camera and ergonomically adjustable motor enable especially safe and efficient stacking and retrieval.

Option packages for different operating conditions

- 'Efficiency' for long operating times with one battery.
- 'drivePLUS' for frequent journeys over long distances.
- 'liftPLUS' for extensive lifting to high lift heights.
- Holder for radio data terminal, writing board or video monitor, for example.

Lithium-ion technology

- High degree of availability thanks to extremely short charging times.
- No battery exchange required.
- Cost savings due to longer service life and low maintenance compared with lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.
- Longer service life with 5-year Jungheinrich guarantee.

Jungheinrich UK Ltd.

Head Office:
Sherbourne House
Sherbourne Drive
Tilbrook
Milton Keynes MK7 8HX
Telephone 01908 363100
Fax 01908 363180

info@jungheinrich.co.uk
www.jungheinrich.co.uk

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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