Optimised for combined indoor/outdoor use

Sideways seat for optimum visibility

Sensitive operation with soloPILOT control lever

Perfect adaptability

curveCONTROL for optimum travel safety

LI-ION technology

ETV C16/C20

Electric reach truck (1,600/2,000 kg)

Super-elastic tyres, high ground clearance, space-saving design, high performance figures and optimum ergonomic working conditions – these are the outstanding strengths of our ETV C16 and ETV C20 reach trucks.

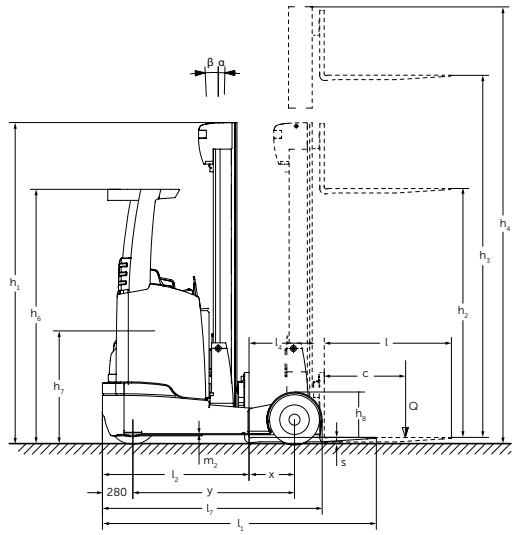
The ETV C16 and ETV C20 offer the following advantages:

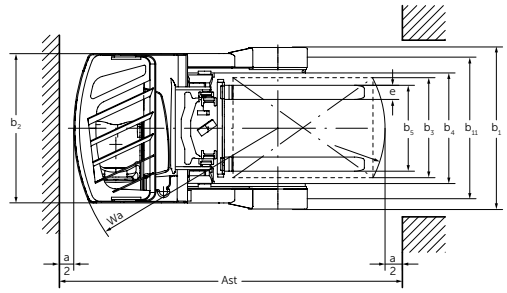
- For example, our electric reach trucks with superelastic tyres are the ideal transport trucks for combined indoor/outdoor use with different floor types. They will reliably transport your goods, whether on a smooth concrete floor in the warehouse or on a bumpy asphalt surface around the HGV loading dock.
- Space-saving design with narrow working aisle widths from 2829 mm (according to VDI when picking up Euro pallets lengthways).
- High throughput with low energy consumption: Optimum energy efficiency due to perfectly matched motors, controllers and software systems.
- Simple, intuitive handling due to ergonomically configured displays and controls: Not only do the configuration and design of the instrument panel contribute to safety but they also provide excellent visibility.

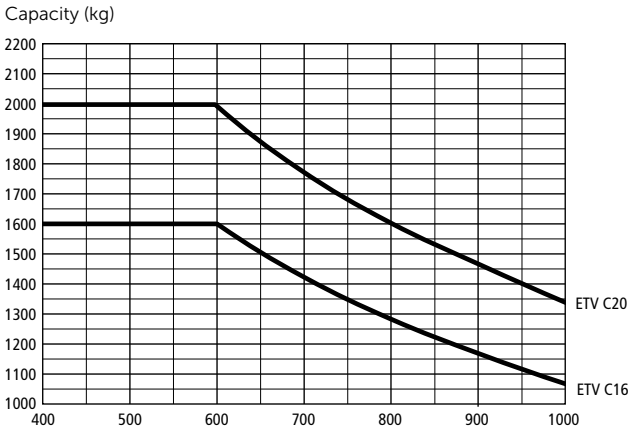
Our ETV C16 and ETV C20 reach trucks therefore create the best design for cost-effective stacking and retrieval at high lift heights and in confined spaces. Whether working in pallet or drive-through racking systems, in single shift or multi-shift applications, or for frequent outdoor use with the comfortable weatherproof cab (optional) – the ETV C16/C20 reach trucks offer the ideal solution for many special applications.

JUNGHEINRICH

ETV C16/C20







Standard mast designs ETV C16/C20									
	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 (°)	
		ETV C16	ETV C20	ETV C16	ETV C20	ETV C16	ETV C20	ETV C16	ETV C20
Triplex DZ	4550	2050	-	1406	-	5194	-	2/4	-
	5000	2200	-	1556	-	5644	-	2/4	-
	5240	2280	-	1636	-	5884	-	2/4	-
	5300	2300	-	1656	-	5944	-	2/4	-
	5450	2350	-	1706	-	6094	-	2/4	-
	5600	2400	-	1756	-	6244	-	2/4	-
	5720	2440	-	1796	-	6364	-	2/4	-
	5810	2470	-	1826	-	6454	-	2/4	-
	5900	2500	-	1856	-	6544	-	2/4	-
	6200	2600	-	1956	-	6844	-	2/4	-
	6500	2700	-	2056	-	7144	-	2/4	-
	6800	2800	-	2156	-	7444	-	2/4	-
	7100	2900	-	2256	-	7744	-	2/4	-
Triplex DZ-V	4250	-	2050	-	1320	-	4996	-	2/4
	4700	-	2200	-	1470	-	5446	-	2/4
	5000	-	2300	-	1570	-	5746	-	2/4
	5300	-	2400	-	1670	-	6046	-	2/4
	5420	-	2440	-	1710	-	6166	-	2/4
	5600	-	2500	-	1770	-	6346	-	2/4
	5900	-	2600	-	1870	-	6646	-	2/4
	6050	-	2650	-	1920	-	6796	-	2/4
	6200	-	2700	-	1970	-	6946	-	2/4
	6500	-	2800	-	2070	-	7246	-	2/4
	6800	-	2900	-	2170	-	7546	-	2/4
	6950	-	2950	-	2220	-	7696	-	2/4
	7400	-	3100	-	2370	-	8146	-	2/4

Technical data in line with VDI 2198

Identification	1.1	Manufacturer (abbreviation)			Jungheinrich		
	1.2	Model			**ETV C16**		**ETV C20**
	1.3	Drive			Electric		
	1.4	Manual, pedestrian, stand-on, seated, order picker operation			transverse seat		
	1.5	Load capacity/rated load	Q	t	1.6		2
	1.6	Load centre distance	c	mm	600		
	1.8	Load distance	x	mm	400[1)]		421[1)]
	1.8.1	Load distance, mast reached forward	x_1	mm	290		
	1.9	Wheelbase	y	mm	1,460		1,520
Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	3,640		4,010
	2.3	Axle loading, unladen front/rear		kg	2,230 / 1,410		2,410 / 1,600
	2.4	Axle loading, fork advanced, laden front/rear		kg	670 / 4,570		510 / 5,500
	2.5	Axle loading, fork retracted, laden front/rear		kg	1,965 / 3,275		2,146 / 3,846
Wheels / frame	3.1	Tyres			SE		
	3.2	Tyre size, front		mm	200 / 50-10		
	3.3	Tyre size, rear		mm	180 / 60-10		
	3.5	Wheels, number front/rear (x = driven wheels)			1x / 2		
	3.7	Tread width, rear	b_{11}	mm	1,210		1,240
Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	2/4[2)]		
	4.2	Mast height (lowered)	h_1	mm	2,300		2,400
	4.3	Free lift	h_2	mm	1,656		1,670
	4.4	Lift	h_3	mm	5,300		
	4.5	Extended mast height	h_4	mm	5,944		6,046
	4.7	Height of overhead guard	h_6	mm	2,290		
	4.8	Seat height/standing height	h_7	mm	1,166		
	4.10	height of support arms	h_8	mm	464		
	4.19	Overall length	l_1	mm	2,484[1)]		2,524[1)]
	4.20	Length to face of forks	l_2	mm	1,320[1)]		1,360[1)]
	4.21	Overall width	b_1/b_2	mm	1,382 / 1,270		1,409 / 1,270
	4.22	Fork dimensions	s/e/l	mm	40 / 120 / 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
	4.26	Width between support arms/loading areas	b_4	mm	940		
	4.28	Reach distance	l	mm	690[1)]		711[1)]
	4.32	Ground clearance, centre of wheelbase	m_2	mm	80		
	4.32.1	Ground clearance at lowest point		mm	55		
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast	mm	2,784[1)]		2,829[1)]
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast	mm	2,829[1)]		2,871[1)]
		truck diagonal		mm	2,205		2,255
	4.35	Turning radius	W_a	mm	1,735		1,795
	4.37	Length across support arms	l_7	mm	1,986		2,046
Performance data	5.1	Travel speed, laden/unladen		km/h	11.8 / 12.2		
	5.2	Lift speed, laden/unladen		m/s	0.4 / 0.7		0.32 / 0.6
	5.3	Lowering speed, laden/unladen		m/s	0.5 / 0.5		
	5.4	Reaching speed, laden/unladen		m/s	0.2 / 0.2		0.15 / 0.15
	5.7	Gradeability, laden/unladen		%	7 / 10		6 / 10
	5.8	Max. gradeability, laden/unladen		%	10 / 15		
	5.9	Acceleration time, laden/unladen		S	5.2 / 4.8		5.4 / 4.6
	5.10	Service brake			electric		
Electrics	6.1	Drive motor, output S2 60 min.		kW	7.5		
	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 - C		
	6.4	Battery voltage/nominal capacity K5		V/Ah	48 / 560		
	6.5	Battery weight		kg	937		
	6.6	Energy consumption according to VDI cycle		kWh/h	4		4.9
	6.7	Throughput		t/h	59.2		64
	6.8	Energy consumption at max. throughput		kWh/h	3.3		3.4
Misc.	8.1	Type of drive control			AC technology		
	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)	70		

1) different battery sizes change these values
2) mast-dependent

In accordance with VDI Guideline 2198 this data sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

Benefit from the advantages

Ergonomic cockpit

Non-slip footstep

Unobstructed visibility thanks to panorama roof

High-performance mast

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

- Triplex masts with lifting heights up to 7400 mm.
- Excellent visibility of the load.
- Low clearances at high lift heights.
- High residual capacities even at extreme lift heights.
- Sensitively control of mast tilt.
- High-quality sections provide an extremely long service life.

Ergonomic cockpit

Maximum performance due to the comfortable operator seat.

- Comfort 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, select 180° or 360° (optionally with toggle switch).
- Automotive layout of the pedals.
- Effortless entry and exit due to non-slip footstep.
- 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.
- Precision operation due to control of all functions.
- Extra attachments such as a fork positioner (optional) can also be comfortably controlled with the soloPILOT.
- multiPILOT available as an option.

Easy-to-read colour 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.
- Display of operating hours and time.
- Lift height (optional).
- Load weight (optional).
- Residual capacity (optional).

Assistance systems (optional)

Individual additional equipment for high power and low load:

- operationCONTROL: The load weight is sequentially measured and compared with the residual capacity of the truck. If the limit value is approached, an optical and acoustic warning is issued.
- positionCONTROL with SNAP function: The rack height select, facilitates straightforward, fast and secure stacking without having to push additional buttons.

Driver's cabs (optional)

The cab provides optimum protection for frequent outdoor use and is available in 3 designs:

- Economy: with roof window and windscreen.
- Comfort 1: with roof window, windscreen and side windows for protection against frequent rain.
- Comfort 2: with roof window, windscreen & side windows and a door for all round protection.

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.

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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. CE

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