

Superelastic tyres and high ground clearance for combined warehouse and yard use

Optimal view, even with high loads, due to side-facing seat

Sensitive operation with SOLO-PILOT control lever

Drive, lift and steering motors use 3-phase AC technology

Jungheinrich Curve Control for optimum stability

Driver's cab for frequent outdoor use (optional)



ETV C16/C20

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

Super-elastic tyres, high ground clearance, space-saving design, high performance data and optimum ergonomic working conditions. These are the exceptional strengths of the Jungheinrich ETV C16/ETV C20 reach trucks.

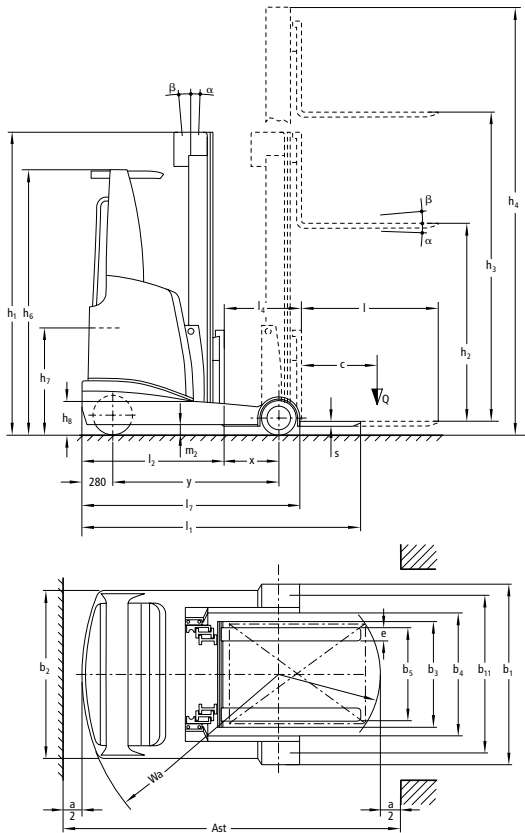
Advantages:

- Ideal for use anywhere indoor and outdoors operation with different types of ground conditions. Whether on a smooth concrete floor in the warehouse or a bumpy asphalt surface around the HGV loading dock.

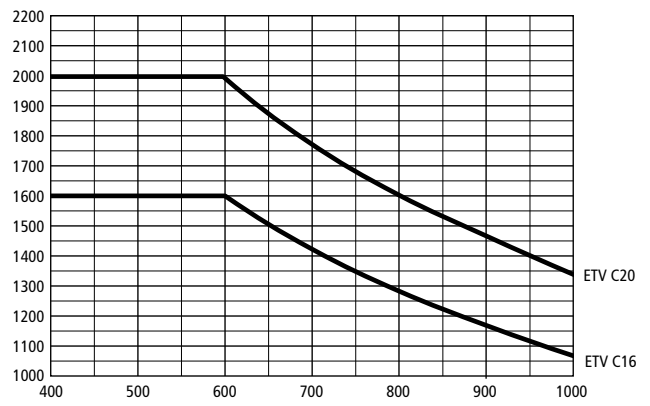
- Space-saving design with narrow working aisle widths from 2829 mm (according to VDI when picking up Euro pallets lengthways).
- Higher throughput levels – while simultaneously reducing the maintenance cost – through constant use of 3-phase AC technology.
- Easy and intuitive handling due to ergonomically configured displays and controls. Not only does the display of the instrument panel contribute to safety but it also provides excellent visibility.

The Jungheinrich ETV C16/ETV C20 reach trucks therefore guarantee 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 multishift applications or for frequent outdoor use with the comfortable weatherproof cab (optional) – the ETV C16/ETV C20 reach trucks offer the ideal solution for every application.

ETV C16/C20



Capacity



Load centre distance "c" in mm

Standard mast types 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
Duplex ZT	2900	1950	-	80	-	3544	-	2/5	-
	3400	2200	-	80	-	4044	-	2/5	-
	3600	2300	-	80	-	4244	-	2/5	-
	4000	2500	-	80	-	4644	-	2/5	-
Triplex DZ	4400	2700	-	80	-	5044	-	2/5	-
	4250	1950	-	1306	-	4894	-	2/5	-
	4550	2050	-	1406	-	5194	-	2/5	-
	4700	-	2200	-	1470	-	5446	-	2/4
	5000	2200	2300	1556	1570	5644	5746	2/5	2/4
	5300	2300	2400	1656	1670	5944	6046	2/4	2/4
	5600	2400	2500	1756	1770	6244	6346	2/4	2/4
	5900	2500	2600	1856	1870	6544	6646	2/4	2/4
	6200	2600	2700	1956	1970	6844	6946	2/4	2/4
	6500	2700	-	2056	-	7144	-	2/4	-
	6800	2800	2900	2156	2170	7444	7546	2/4	2/4
	6950	-	2950	-	2220	-	7696	-	-
7100	2900	-	2256	-	7744	-	2/4	-	
7400	-	3100	-	2370	-	8146	-	-	2/4

Technical data in line with VDI 2198

				Jungheinrich	
				ETV C16	ETV C20
Identification	1.1	Manufacturer (short form)			
	1.2	Model			
	1.3	Drive		Electrics	
	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 ²⁾	421 ²⁾
	1.8.1	Load distance, mast reached forward	x ₁ mm	290	
	1.9	Wheelbase	y mm	1460	1520
Weights	2.1.1	Net weight incl. battery (see row 6.5)		3640	4010
	2.3	Axle load, w.o. load, front / rear		2230 / 1410	2410 / 1600
	2.4	Axle loading forks forward with load at front / rear		670 / 4570	510 / 5500
	2.5	Axle loading forks retracted with load at front / rear		1965 / 3275	2146 / 3864
Wheels / chassis	3.1	Tyres		SE	
	3.2	Tyre size, at front		200/50 -10	
	3.3	Tyre size, at rear		180/60 -10	
	3.5	Wheels, number front/rear (x = driven wheels)		1x / 2	
	3.7	Track width, rear	b ₁₁ mm	1210	1240
Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward		2/4 ³⁾	
	4.2	Mast height (lowered)		2300	2400
	4.2.1	Total height			
	4.3	Free lift	h ₂ mm	1656	1670
	4.4	Lift	h ₃ mm	5300	
	4.5	Extended mast height	h ₄ mm	5944	6046
	4.7	Height of overhead guard	h ₆ mm	2250	
	4.8	Seat height/stand height	h ₇ mm	1157	
	4.10	height of support arms	h ₈ mm	464	
	4.19	Overall length	l ₁ mm	2484 ²⁾	2524 ²⁾
	4.20	Length incl. back of forks	l ₂ mm	1334 ²⁾	1374 ²⁾
	4.21	Total width	b ₁ /b ₂ mm	1370 / 1270	1400 / 1270
	4.22	Fork dimensions	s/e/l mm	40 / 120 / 1150	50 / 140 / 1150
	4.23	Fork carriage ISO 2328, class/type A, B		2B	
	4.24	Fork carriage width	b ₃ mm	800	
	4.25	Width over forks	b ₅ mm	356 / 692	356 / 712
	4.26	Width between support arms/loading surfaces	b ₄ mm	940	
	4.28	mast reach	l ₄ mm	690 ²⁾	711 ²⁾
	4.31	Floor clearance with load under mast	m ₁ mm	90	
	4.32	Floor clearance centre wheelbase	m ₂ mm	80	
4.32.1	Ground clearance at lowest point	mm	55		
4.33	Aisle width for pallets 1000 x 1200 sideways	Ast mm	2784 ²⁾	2829 ²⁾	
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	2829 ²⁾	2871 ²⁾	
	truck diagonal	mm	2205	2255	
4.35	Turning radius	W _a mm	1735	1795	
4.37	length over the support arms	l ₇ mm	1986	2046	
Performance data	5.1	Travel speed, w. / w.o. load		11.8 / 12.2 ¹⁾	
	5.2	Lift speed, w. / w.o. load		0.4 / 0.7	0.32 / 0.6
	5.3	Lower speed, w. / w.o. load		0.5 / 0.5	
	5.4	Traverse speed w. / w.o. load		0.2 / 0.2	0.15 / 0.15
	5.7	Gradeability laden/unladen		7 / 10	
	5.8	Max. gradeability, laden/unladen		10 / 15	
	5.9	Acceleration time w. / w.o. load		5.2 / 4.8	5.4 / 4.6
	5.10	Service brake		electric	
	Electrics	6.1	Drive motor rating S2 60 min.		6.9
6.2		Lift motor rating at S3 15%		10.0	
6.3		Battery according to DIN 43531/35/36 A,B,C, no		DIN 43531 - C	
6.4		Battery voltage/nominal capacity K5		48 / 560	
6.5		Battery weight		937	
Misc.	8.1	Type of drive control		Mosfet control AC	
	8.2	working pressure for attachments		150	
	8.3	oil flow for attachments		20	
	8.4	Sound pressure level at operator's ear according to EN 12053		70	

¹⁾ 11.0 / 11.0 km/h in the fork direction

²⁾ different battery sizes change these values

³⁾ mast-dependent

Benefit from the advantages



Ergonomic cab



SOLO-PILOT



Ergonomic operator cabin

High-performance mast

Jungheinrich masts ensure maximum safety and maximise space utilisation even at high lift heights:

- Excellent load visibility.
- Integrated side shift.
- Lowest overhead clearance requirement at high lift heights.
- Smooth mast tilt.
- High quality profiles provide an extremely long lifespan.
- High residual lift capacity even at high lift heights.
- Lift heights of up to 7400 mm.
- Integrated hose routing, also for auxiliary hydraulics (no hose reel).

Ergonomic workstation

The operator position provides ideal working conditions for relaxed performance.

- The entry / exit step clearly visible from above.
- Horizontally and vertically adjustable steering wheel.
- Comfort seat, fully adjustable for all operators (seat position / backrest height / bodyweight).
- The side-facing seat configuration offers perfect visibility, even when transporting high loads.
- Plenty of storage options.

- Important truck controls are within easy reach.
- Generous space.
- Electric 180° steering and optimally positioned steering wheel.
- Automatic positioning of the side-shift (centre position) at the touch of a button (optional)

Easy operation with SOLO-PILOT

The control lever for combines all hydraulic functions, the horn and allows selecting the direction of travel.

- All controls are within the operator's field of vision and a single function is clearly assigned to each one.
- Extra attachments – e.g. a fork positioner (optional) – can be comfortably controlled with the SOLO-PILOT.
- Precision operation by sensitive activation of all functions.
- Comfortable posture with adjustable armrest.

Easy to read operator display

High quality instruments for displaying the most important operating data.

- Travel direction and drive wheel position display.
- Battery condition with discharge status display.
- Three adjustable travel programmes to cater for every requirement.

- Operating hours and clock.
- Lift height (optional).
- Load weight (optional).

More efficiency and economy using

Powerful 3rd Generation AC technology for drive, lift and steering offers many advantages over conventional DC motors.

- Powerful acceleration.
- Quick reversing without delay.
- High operational availability due to maintenance free motors without carbon brushes.
- Longer operational times through regenerative battery charging when reducing travel speed.
- Two year guarantee on drive and lift motors.

All weather cabin (optional)

- All weather cabin in 3 variations (Economy/Comfort 1/ Comfort 2) for the protection of the operator in regular outdoor usage.
- "Economy" with roof and front screen.
- "Comfort 1" with roof, front and side screens for protection against frequent rain.
- "Comfort 2" with roof, front & side screens and door for all round protection.

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The German production facilities in Norderstedt and Moosburg are certified. **ISO 9001**
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.



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