

Travel in any direction thanks to electronically controlled all-wheel steering

Sensitive operation with SOLO-PILOT control lever

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

Jungheinrich Curve Control for optimum stability

Hydraulic fork positioning for various load widths (optional)



ETV Q20/Q25

Electric multi-directional reach truck (2,000/2,500 kg)

Jungheinrich multi-directional reach trucks are used wherever long loads are transported in narrow aisles and need to be elevated at height. With their electric all-wheel steering they can transport loads up to 8 m long, maximising space in the warehouse.

There are five travel programs available, ranging from modified normal travel, turning on the spot through to transverse and parallel travel. In 'enhanced normal travel', the already small turning radius is reduced further by simultaneous load wheel steering. The advantages of 360° steering are also available: Minimum turning radius and rapid direction change. This makes the ETV Q clearly

superior to any conventional 4-way reach truck.

Uncomplicated, intuitive handling with ergonomically arranged displays and controls matched with outstanding visibility makes operating the truck simplicity itself. In addition, assistance systems increase productivity:

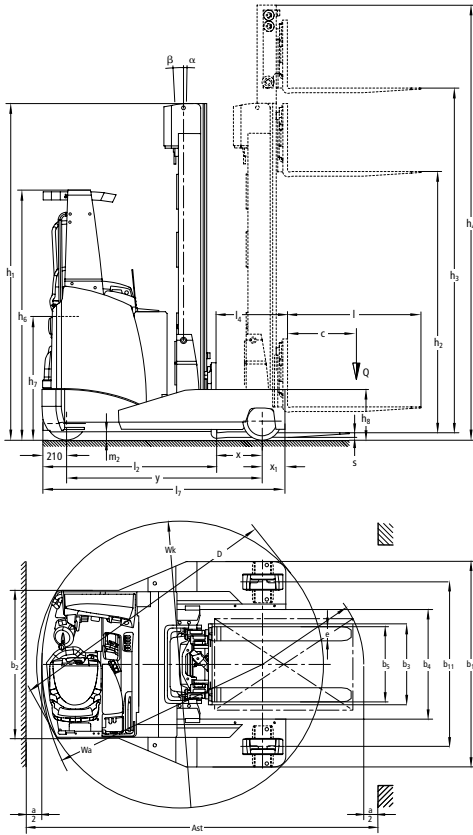
- Jungheinrich Curve Control reduces the maximum travel speed when cornering, depending on the steer angle.
- Weighing systems allow weights to be checked at the press of a button.
- Mast reach cushioning reduces mast sway during stacking and retrieval operations, thereby increasing throughput.

In addition to excellent performance, the truck offers outstanding efficiency:

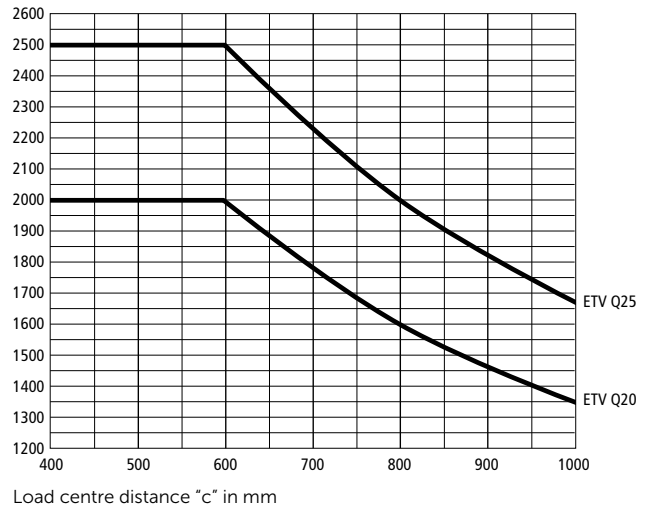
- Greater travel / lift performance for more pallet throughput.
- Long operating times due to energy recovery on braking the truck and load lowering.
- Less aisle width required as a result of the proven reach principle.

A number of options and battery versions ranging from 620 to 930 Ah ensure that the trucks can be adapted to any application.

ETV Q20/Q25



Capacity



Standard mast types ETV Q20/Q25						
	Lift h_3	Lowered mast height h_1	Free lift h_2	Extended mast height h_4	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	6306	1/3	-
	5600	2500	1770	6346	1/3	-
	5900	2600	1870	6646	1/3	-
	6050	2650	1920	6796	1/3	-
	6200	2700	1970	6946	1/3	2/5
	6500	2800	2070	7246	0.5/2	-
	6800	2900	2170	7546	0.5/2	2/5
	6950	2950	2220	7696	0.5/2	2/5
	7100	3000	2270	7846	0.5/2	-
	7400	3100	2370	8146	0.5/2	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	-	2/5
	9620	3840	3110	10366	-	2/5
	9950	3950	3220	10696	-	2/5
10220	4040	3310	10966	-	2/5	
10520	4140	3410	11266	-	2/5	
10700	4200	3470	11446	-	2/5	

Technical data in line with VDI 2198

				Jungheinrich		
				ETV Q20	ETV Q25	
Identification	1.1	Manufacturer (short form)		Jungheinrich		
	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	2	2.5
	1.6	Load centre distance	c	mm	600	
	1.8	Load distance	x	mm	449 ²⁾	532 ²⁾
	1.8.1	Load distance, mast reached forward	x ₁	mm	230	
	1.9	Wheelbase	y	mm	1528	1683
Weights	2.1.1	Net weight incl. battery (see row 6.5)		4060	4150	
	2.3	Axle load, w.o. load, front / rear		2310 / 1750	2490 / 1660	
	2.4	Axle loading forks forward with load at front / rear		670 / 5390	600 / 6050	
	2.5	Axle loading forks retracted with load at front / rear		1940 / 4120	2260 / 4390	
Wheels / chassis	3.1	Tyres		Vulkollan ®		
	3.2	Tyre size, at front		Ø 343 x 140		
	3.3	Tyre size, at rear		Ø 343 x 140		
	3.5	Wheels, number front/rear (x = driven wheels)		1x / 2		
3.7	Track width, rear	b ₁₁	mm	1420		
Basic dimensions	4.1	Tilt of mast/fork carriage forward/backward		1/5 ³⁾		
	4.2	Mast height (lowered)		2400		
	4.2.1	Total height				
	4.3	Free lift		1670		
	4.4	Lift		5300		
	4.5	Extended mast height		6046		
	4.7	Height of overhead guard		2150		
	4.8	Seat height/stand height		1057		
	4.10	height of support arms		442		
	4.19	Overall length	l ₁	mm	2439 ²⁾	2511 ²⁾
	4.20	Length incl. back of forks	l ₂	mm	1289 ²⁾	1361 ²⁾
	4.21	Total width	b ₁ /b ₂	mm	1760 / 1270	
	4.22	Fork dimensions	s/e/l	mm	50 / 140 / 1150	
	4.23	Fork carriage ISO 2328, class/type A, B		2B		
	4.24	Fork carriage width		800		
	4.25	Width over forks		356 / 737		
	4.26	Width between support arms/loading surfaces		940		
	4.28	mast reach		l ₄	mm	679 ²⁾ 762 ²⁾
	4.32	Floor clearance centre wheelbase		m ₂	mm	95
4.32.1	Ground clearance at lowest point			mm	55	
4.33	Aisle width for pallets 1000 x 1200 sideways		Ast	mm	2756 ²⁾ 2854	
4.34	Aisle width for pallets 800 x 1200 lengthways		Ast	mm	2792 ²⁾ 2872 ²⁾	
	truck diagonal			mm	2277 2432	
4.35	Turning radius		W _a	mm	1741 ⁴⁾ 1893 ⁴⁾	
4.37	length over the support arms		l ₇	mm	1957 2112	
Performance data	5.1	Travel speed, w. / w.o. load		14 / 14 ¹⁾		
	5.2	Lift speed, w. / w.o. load		0.32 / 0.6	0.3 / 0.6	
	5.3	Lower speed, w. / w.o. load		0.5 / 0.5		
	5.4	Traverse speed w. / w.o. load		0.12 / 0.12		
	5.7	Gradeability laden/unladen		7 / 11	6 / 11	
	5.8	Max. gradeability, laden/unladen		10 / 15		
	5.9	Acceleration time w. / w.o. load		4.6 / 4.3	5 / 4.4	
	5.10	Service brake		electric / hydraulic		
	Electrics	6.1	Drive motor rating S2 60 min.		6.9	
		6.2	Lift motor rating at S3 15%		10.0 ⁵⁾	
6.3		Battery according to DIN 43531/35/36 A,B,C, no		DIN 43531 - C		
6.4		Battery voltage/nominal capacity K5		48 / 620		
6.5		Battery weight		995		
Misc.	8.1	Type of drive control		Mosfet / 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

⁴⁾ Turning radius for turning on the spot: 1230 mm

⁵⁾ with regenerative lowering option 14 kW

Benefit from the advantages



Jungheinrich masts lift loads at height



Ergonomic cab



SOLO-PILOT

High-performance mast

Jungheinrich masts guarantee maximum safety and space utilisation to high lift heights.

- Lift heights up to 10,700 mm.
- Lowest clearances at high lift heights.
- Extremely long life through cold-rolled mast sections.
- High residual capacities even at high lift heights.
- Patented mast reach cushioning (optional).
- Energy recovery through patented regenerative lowering (optional).

Fork adjuster with extended fork shank (optional)

Ideally adjustable to various load widths for safe transporting of long loads.

- Easy adjustment at the press of a button.
- Straddle width up to 2060 mm.
- Integrated design with short chassis length for narrow aisle widths.
- Three versions with different chassis widths available.

Ergonomic operator position

The operator workplace provides ideal working conditions for relaxed performance.

- Five buttons for rapid and easy travel program selection.
- Comfort seat, fully adjustable for all operators (seat position / backrest height / bodyweight).
- Plenty of storage options.
- Generous space.
- 3-phase steering of all three wheels can be changed from 180° to 360°.
- Standard automotive layout of pedals.

SOLO-PILOT control lever

The control lever for activating all hydraulic functions and also selecting the direction of travel and sounding the horn.

- All the controls are within the field of vision and are clearly designated for a specific function.

- Maximum throughput efficiency due to simultaneous operation of two hydraulic functions (e.g. lifting and traversing).
- Extra attachments – e.g. fork adjuster (optional) – are also controlled by the SOLO-PILOT.
- Precision operation through sensitive application of all functions.
- Comfortable posture with padded armrest.

Easy-to-read driver's display

- Travel direction and wheel position display.
- Battery status with residual time display.
- A choice of three travel programs for individual adaptation to each application.
- Service hours and time.
- Lift height (optional).
- Load weight (optional).

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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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