



## **Electric reach truck** **ETV Q20 / Q25**

Lift height: 4250-10700 mm / Load capacity: 2000-2500 kg



**ETV Q20 / Q25**

# VDI table

Stand-on: 07/2024

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich	
	1.2	Manufacturer's type designation			ETV Q20	ETV Q25
	1.3	Drive			Electric	
	1.4	Operation			Sideways-seated	
	1.5	Load capacity/load	Q	kg	2000	2500
	1.6	Load centre distance	c	mm	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	449	
	1.8.1	Load distance, centre of drive axle to fork, mast extended		mm	230	
	1.9	Wheelbase	y	mm	1528	1638
Weights	2.1.1	Service weight (incl. battery)		kg	3700	
	2.3	Axle load unladen front/rear		kg	2264 / 1436	
	2.4	Axle load fork forward laden front/rear		kg	602 / 5598	
	2.5	Axle load fork back laden front/rear		kg	2032 / 4168	
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)	
	3.2	Tyre size, front			Ø 343 x 140	
	3.3	Tyre size, rear			Ø 355 x 135	
	3.5	Wheels, number front/back (x=driven)			1x / 2	
	3.7	Tread width, rear	b11	mm	1420	
Basic dimensions	4.1	Forward/backward tilt of mast	a/β	°	1 / 5	
	4.2	Retracted mast height (h1)	h1	mm	2400	
	4.3	Free lift (h2)	h2	mm	1670	
	4.4	Lift (h3)	h3	mm	5300	
	4.5	Extended mast height (h4)	h4	mm	6030	
	4.7	Height of overhead guard (cab)	h6	mm	2190	
	4.8	Seat height/stand height	h7	mm	1057	
	4.10	Height of support arms	h8	mm	440	
	4.19	total length	l1	mm	2439	2511
	4.20	Length including fork shank	l2	mm	1289	1361
	4.21.1	total width	b1	mm	1770	
	4.21.2	total width	b2	mm	1270	
	4.22	Fork dimensions	s/e/l	mm	50 x 140 x 1150	
	4.23	Fork carriage connection class			2B	
	4.24	Fork carriage width	b3	mm	830	
	4.25	Width across forks	b5	mm	356	
	4.25.1	Width across forks (min./max.)	b5	mm	356 / 750	
	4.26	Width between support arms/loading areas	b4	mm	940	
	4.28	Reach distance		mm	679	762
	4.32	Ground clearance centre of wheelbase	m2	mm	95	
4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast	mm	2756	2854	
4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	2792	2872	
4.35	Turning radius	Wa	mm	1741	1893	
4.37	Length over the support arms	L7	mm	1957	2112	
Performance data	5.1	Travel speed laden/unladen		km/h	14 / 14	
	5.2	Lift speed laden/unladen		m/s	0.38 / 0.64	0.35 / 0.64
	5.3	Lowering speed laden/unladen		m/s	0.55 / 0.55	
	5.4	Reach speed laden/unladen		m/s	0.2 / 0.2	
	5.7	Gradeability laden/unladen		%	7 / 11	
	5.8	Max. gradeability laden/unladen		%	10 / 15	

	5.9	Acceleration time laden/unladen	s	5.3 / 4.8	5.6 / 4.9
	5.10	Service brake		electric	
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	8.5	
	6.2	Lift motor, performance with S3	kW	15.5	
	6.3	Battery according to DIN 43531/35/36		DIN 43531 C	
	6.4	Battery voltage/nominal capacity	V / Ah	48 / 620	
	6.5	Battery weight	kg	1005	
	6.6	Energy consumption according to VDI cycle	kWh/h	5.1	6
	6.6.1	Energy consumption according to EN cycle	kWh/h	4.31	5
	6.6.2	CO2 equivalent as per EN 16796	kg/h	2.3	2.7
	6.7	Throughput	t/h	79.73	97.61
	6.8.1	Energy consumption with max. throughput	kWh/h	4.71	4.98
Other	8.1	Type of drive control		Mosfet/AC	
	10.1	Operating pressure for attachment	bar	150	
	10.2	Oil flow for attachments	l/min	20	
	10.7	Sound level as per EN12053, operator's ear	dB (A)	70	

- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.

- VDI no. 1.8: battery size and mast type affect load distance x
- VDI no. 2.1.1: battery size and mast version affect service weight and axle loads
- VDI no. 2.3: battery size and mast version affect service weight and axle loads
- VDI no. 2.4: battery size and mast version affect service weight and axle loads
- VDI no. 2.5: battery size and mast version affect service weight and axle loads
- VDI no. 4.1: the mast version determines the tilt values
- VDI no. 4.19: battery size, mast type and fork length affect the overall length l1
- VDI no. 4.20: battery size and mast type affect the length including fork shank l2
- VDI no. 4.28: battery size and mast type affect the reach distance l4
- VDI no. 4.34.1: battery size and mast type affect the aisle widths
- VDI no. 4.34.2: battery size and mast type affect the aisle widths
- The information in this document relates to the drive&liftPLUS performance package

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified as well as our Genuine Parts  
Center in Kaltenkirchen. ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements. 

 **JUNGHEINRICH**