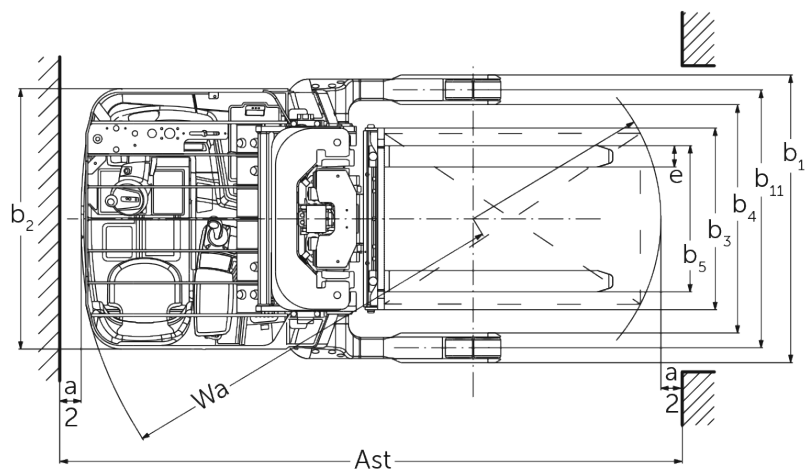
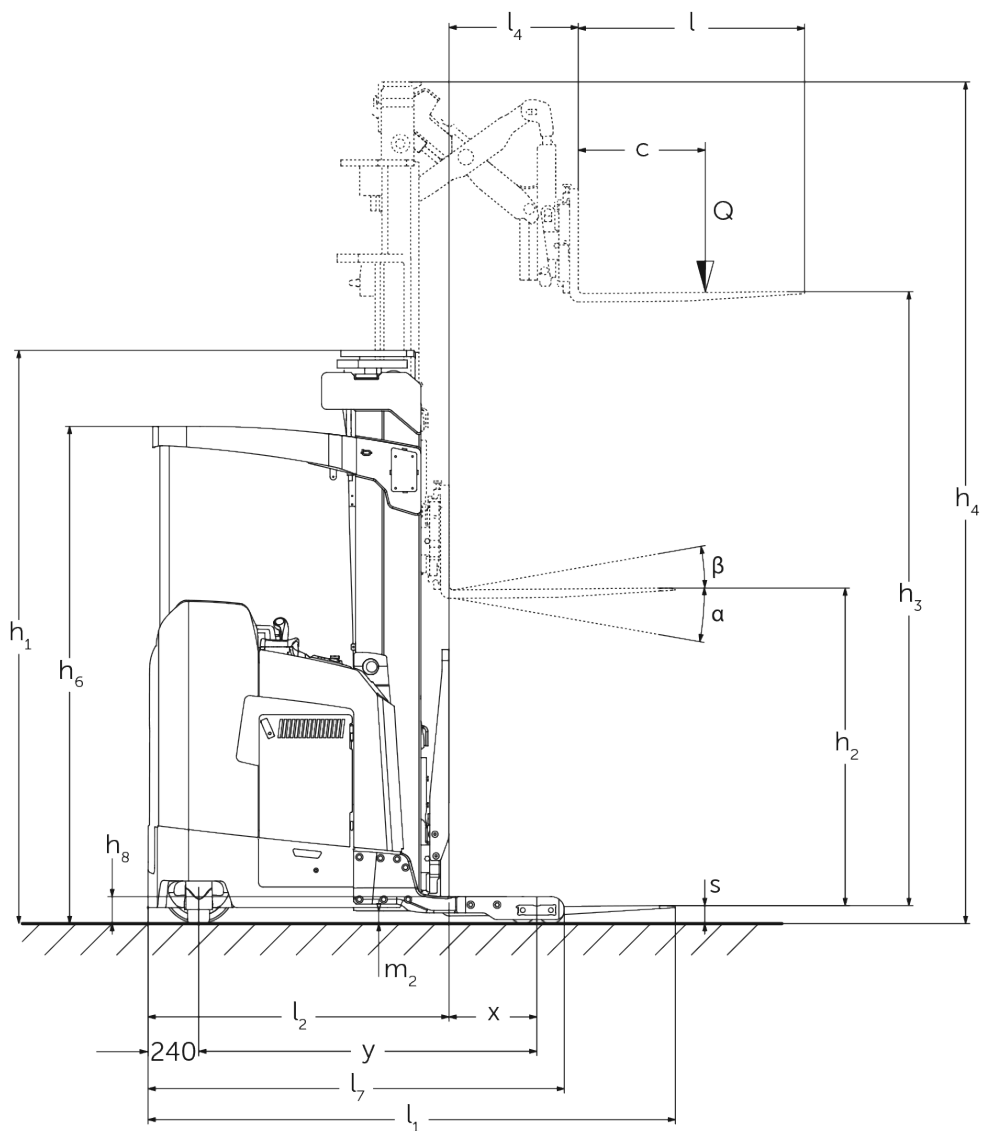




36-V pantograph reach forklift truck **ETR 420 / 416d**

Lift height: 11354 mm / Load capacity: 1600-2000 kg

ETR 420 / 416d



ETR 420 / 416d

ETR 416d	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of fork carriage
Triplex mast DZ	4953 mm	2261 mm	965 mm	6248 mm	3 / 4 °
	5309 mm	2413 mm	1118 mm	6604 mm	3 / 4 °
	5411 mm	2438 mm	1789 mm	6705 mm	3 / 4 °
	5970 mm	2705 mm	2055 mm	7264 mm	3 / 4 °
	6071 mm	2718 mm	1423 mm	7366 mm	3 / 4 °
	6452 mm	2870 mm	1575 mm	7747 mm	3 / 4 °
	6783 mm	2995 mm	2345 mm	8077 mm	3 / 4 °
	6833 mm	3023 mm	1727 mm	8128 mm	3 / 4 °
	7214 mm	3175 mm	1880 mm	8509 mm	3 / 4 °
	7595 mm	3327 mm	2032 mm	8890 mm	3 / 4 °
	8052 mm	3505 mm	2210 mm	9347 mm	3 / 4 °
	8180 mm	3558 mm	2909 mm	9474 mm	3 / 4 °
	8307 mm	3613 mm	2963 mm	9601 mm	3 / 4 °
	8357 mm	3632 mm	2337 mm	9652 mm	3 / 4 °
	8561 mm	3714 mm	3065 mm	9855 mm	3 / 4 °
	8737 mm	3785 mm	2489 mm	10033 mm	3 / 4 °
	9220 mm	3962 mm	2667 mm	10516 mm	3 / 4 °
	9450 mm	4053 mm	3404 mm	10744 mm	3 / 4 °
	9831 mm	4215 mm	3566 mm	11125 mm	3 / 4 °
	10084 mm	4318 mm	3023 mm	11379 mm	3 / 4 °
	10719 mm	4572 mm	3277 mm	12014 mm	3 / 4 °
	11354 mm	4826 mm	3539 mm	12649 mm	3 / 4 °
ETR 420	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)	Forward/backward tilt of fork carriage
Triplex mast DZ	4953 mm	2261 mm	965 mm	6248 mm	3 / 4 °
	5309 mm	2413 mm	1118 mm	6604 mm	3 / 4 °
	5411 mm	2438 mm	1789 mm	6705 mm	3 / 4 °
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	10084 mm	4318 mm	3023 mm	11379 mm	3 / 4 °
	10719 mm	4572 mm	3277 mm	12014 mm	3 / 4 °

11354 mm	4826 mm	3539 mm	12649 mm	3 / 4 °
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VDI table

Stand-on: 03/2024

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich	
	1.2	Manufacturer's type designation			ETR 420	ETR 416d
	1.3	Drive			Electric	
	1.4	Operation			Sideways stand-on	
	1.5	Load capacity/load	Q	kg	2000	1600
	1.6	Load centre distance	c	mm	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	414	230
	1.9	Wheelbase	y	mm	1597	
Weights	2.1	tare weight		kg	3270	3330
	2.1.1	Service weight (incl. battery)		kg	4209	4269
	2.3	Axle load unladen front/rear		kg	2523 / 5562	2559 / 5641
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)	
	3.2	Tyre size, front			Ø 343 x 140	
	3.3	Tyre size, rear			Ø 127 x 92	
	3.4	Additional wheels			Ø 180 x 100	
	3.5	Wheels, number front/back (x=driven)			1x + 1/2	
	3.7	Tread width, rear	b11	mm	1209	
Basic dimensions	4.2	Retracted mast height (h1)	h1	mm	2720	
	4.3	Free lift (h2)	h2	mm	1500	
	4.4	Lift (h3)	h3	mm	6071	
	4.5	Extended mast height (h4)	h4	mm	7370	
	4.7	Height of overhead guard (cab)	h6	mm	2349	
	4.8	Seat height/stand height	h7	mm	250	
	4.10	Height of support arms	h8	mm	127	
	4.19	total length	l1	mm	2492	2677
	4.20	Length including fork shank	l2	mm	1422	1607
	4.21.1	total width	b1	mm	1348	
	4.21.2	total width	b2	mm	1220	
	4.22	Fork dimensions	s/e/l	mm	40 x 100 x 1070	
	4.23	Fork carriage connection class			2A	
	4.24	Fork carriage width	b3	mm	825	
	4.25.1	Width across forks (min./max.)	b5	mm	360 / 825	
	4.26	Width between support arms/loading areas	b4	mm	1067	
	4.28	Reach distance		mm	610	1067
	4.32	Ground clearance centre of wheelbase	m2	mm	60	
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast	mm	2988	3149
	4.34.8	Aisle width (pallet 800x1200 crosswise)	Ast	mm	2939	3107
	4.35	Turning radius	Wa	mm	1858	
	4.37	Length over the support arms	L7	mm	1967	
Performance data	5.1	Travel speed laden/unladen		km/h	12.1 / 12.9	
	5.2	Lift speed laden/unladen		m/s	0.55 / 0.84	
	5.3	Lowering speed laden/unladen		m/s	0.56 / 0.53	
	5.4	Reach speed laden/unladen		m/s	0.17 / 0.19	
	5.7	Gradeability laden/unladen		%	8 / 9	
	5.8	Max. gradeability laden/unladen		%	8 / 9	
	5.9	Acceleration time laden/unladen		s	4.9 / 4.4	
	5.10	Service brake			electromagnetic/generative	

	5.11	Parking brake		electromagnetic
E-motor/ Electronics	6.1	Drive motor, performance S2 60 min	kW	6.9
	6.2	Lift motor, performance with S3	kW	20
	6.4	Battery voltage/nominal capacity	V / Ah	36 / 775
	6.5	Battery weight	kg	939
Other	8.1	Type of drive control		Mosfet/AC
	10.5	Steering version		electric
	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. 6.5: permissible battery weight (min./max.): 910 / 1,050 kg.

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**