



Medium/high level order picker

EKS 110

Lift height: 1000-2800 mm / Load capacity: 1000 kg

EKS 110

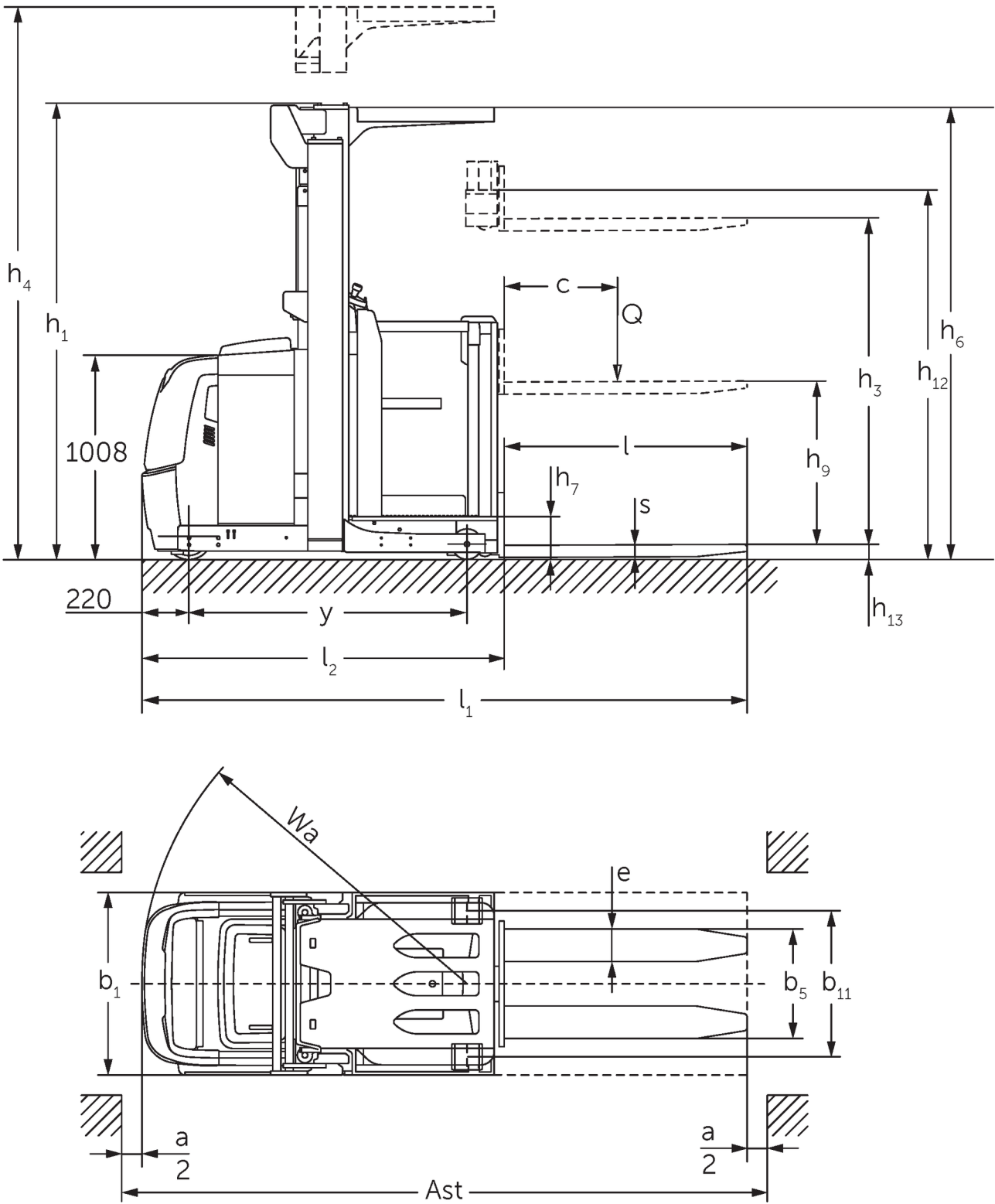
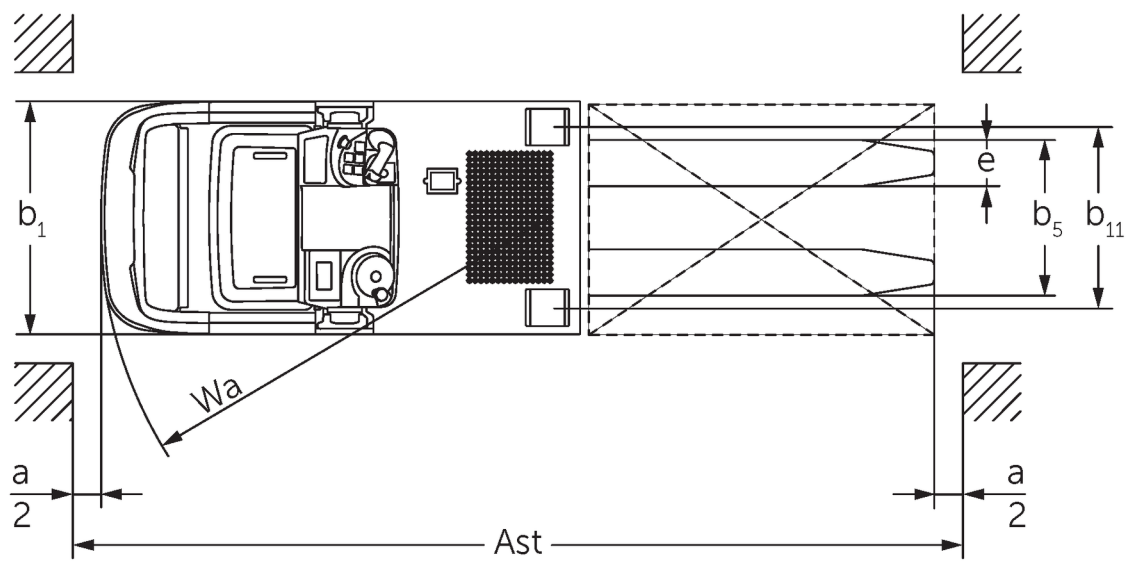
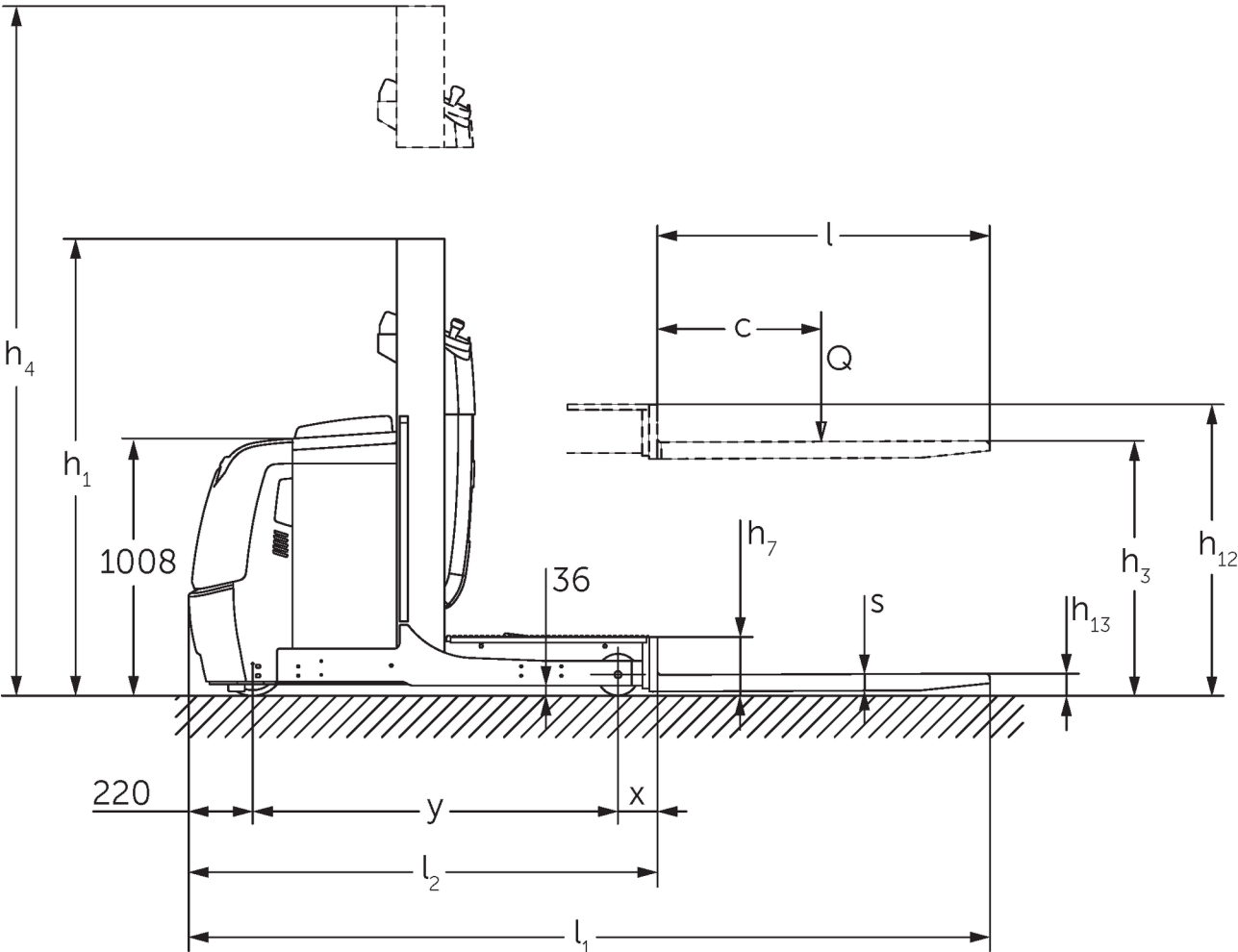


Figure shows EKS 110 Z 280 ZZ

EKS 110



Picture shows EKS 110 L 100 E

VDI table

Stand-on: 11/2021

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich							
	1.2	Manufacturer's type designation		EKS 110 L 100 E	EKS 110 L 160 E	EKS 110 L 190 E	EKS 110 L 280 ZZ	EKS 110 Z 100 E	EKS 110 Z 160 E	EKS 110 Z 190 E	EKS 110 Z 280 ZZ
	1.3	Drive		Electric							
	1.4	Operation		Order pickers							
	1.5	Load capacity/load	Q kg	1000							
	1.6	Load centre distance	c mm	600							
	1.8	Load distance, centre of drive axle to fork	x mm	143			180	148			185
	1.9	Wheelbase	y mm	1330			1385	1330			1385
Weights	2.1.1	Service weight (incl. battery)	kg	1661	1785	1813	2268	1763	1907	1953	2390
	2.2	Axle load laden front/rear	kg	491 / 2170	516 / 2269	506 / 2307	762 / 2506	489 / 2274	508 / 2399	504 / 2449	754 / 2636
	2.3	Axle load unladen front/rear	kg	1053 / 608	1093 / 692	1084 / 729	1336 / 932	1062 / 701	1083 / 824	1079 / 874	1328 / 1062
Wheels/suspension system	3.1	Tyres		Vulkollan ®							
	3.2	Tyre size, front		ø 230 x 80							
	3.3	Tyre size, rear		ø 150 x 130							
	3.5	Wheels, number front/back (x=driven)		1x / 2							
	3.7	Tread width, rear	b ₁₁ mm	630			720	630			720
Basic dimensions	4.2	Retracted mast height (h ₁)	h ₁ mm	1650	2260	2560	2250	1650	2260	2560	2250
	4.4	Lift (h ₃)	h ₃ mm	1000	1600	1900	2800	1000	1600	1900	2800
	4.5	Extended mast height (h ₄)	h ₄ mm	2650	3830	4130	5030	2650	3830	4130	5030
	4.7	Height of overhead guard (cab)	h ₆ mm	2230							
	4.8.1	Stand height	h ₇ mm	200							
	4.11	Additional lift	h ₉ mm	-				800			
	4.14	Stand height, elevated	h ₁₂ mm	1200	1800	2100	3000	1200	1800	2100	3000
	4.15	Height, lowered	h ₁₃ mm	80							
	4.19	Overall length	l ₁ mm	2890			2980	2895			2985
	4.20	Length including fork shank	l ₂ mm	1690			1780	1695			1785
	4.21.1	Overall width	b ₁ mm	810			900	810			900
	4.22	Fork dimensions	s/ e/l mm	60 x 160 x 1200							
	4.25	Width across forks	b ₅ mm	540							
	4.26	Width between support arms/loading areas	b ₄ mm	430			520	430			520
	4.31	Ground clearance laden under mast	m ₁ mm	35							
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast mm	3039			3127	3039			3127
	4.34.1	Aisle width (pallet 800x1200 length)	Ast mm	3149			3240	3154			3245
	4.35	Turning radius	W _a mm	1548			1603	1548			1603
	4.38	Order picking height	mm	2800	3400	3700	4600	2800	3400	3700	4600

Performance data	5.1	Travel speed laden/ unladen (Efficiency drivePLUS)	km/h	9 / 10 10.5 / 13	9 / 9 10 / 12	9 / 9 9 / 11	9 / 10 10.5 / 13	9 / 9 10 / 12	9 / 9 9 / 11
	5.2	Lift speed laden/unladen	m/s	0.19 / 0.26	0.15 / 0.2	0.23 / 0.31	0.19 / 0.26	0.15 / 0.2	0.23 / 0.31
	5.3	Lowering speed laden/ unladen	m/s	0.24 / 0.24	0.23 / 0.22	0.28 / 0.26	0.24 / 0.24	0.23 / 0.22	0.28 / 0.26
	5.7	Gradeability laden/ unladen	%	5 / 10					
	5.10	Service brake		Electromagnetic spring-loaded brake system					
	5.11	Parking brake		electromagnetic					
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	3.2					
	6.2	Lift motor, performance with S3	kW	3	6	3	6		
	6.3	Battery according to DIN 43531/35/36		DIN 43535 B					
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 620					
	6.5	Battery weight	kg	480					
Other	8.1	Type of drive control		AC					
	10.5	Steering version		Electric power steering					
	10.7	Sound level as per EN12053, operator's ear	dB (A)	61					
- 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.									

- 4.2: L100E with overhead guard 2230 mm
- 4.5: L100E with overhead guard 3230 mm
- 4.7: L100E and Z100E overhead guard optional
- 5.1: with drivePLUS performance package (Standard: 9 / 9 km/h for all EKS 110 except for EKS 110 E 100: 10 / 10 km/h)

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**