



Medium/high level order picker

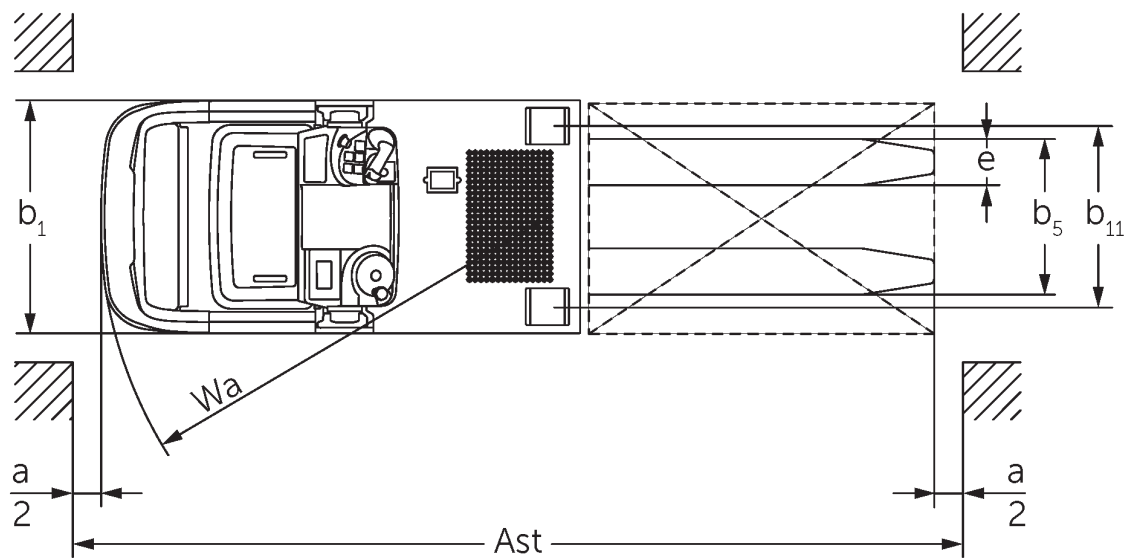
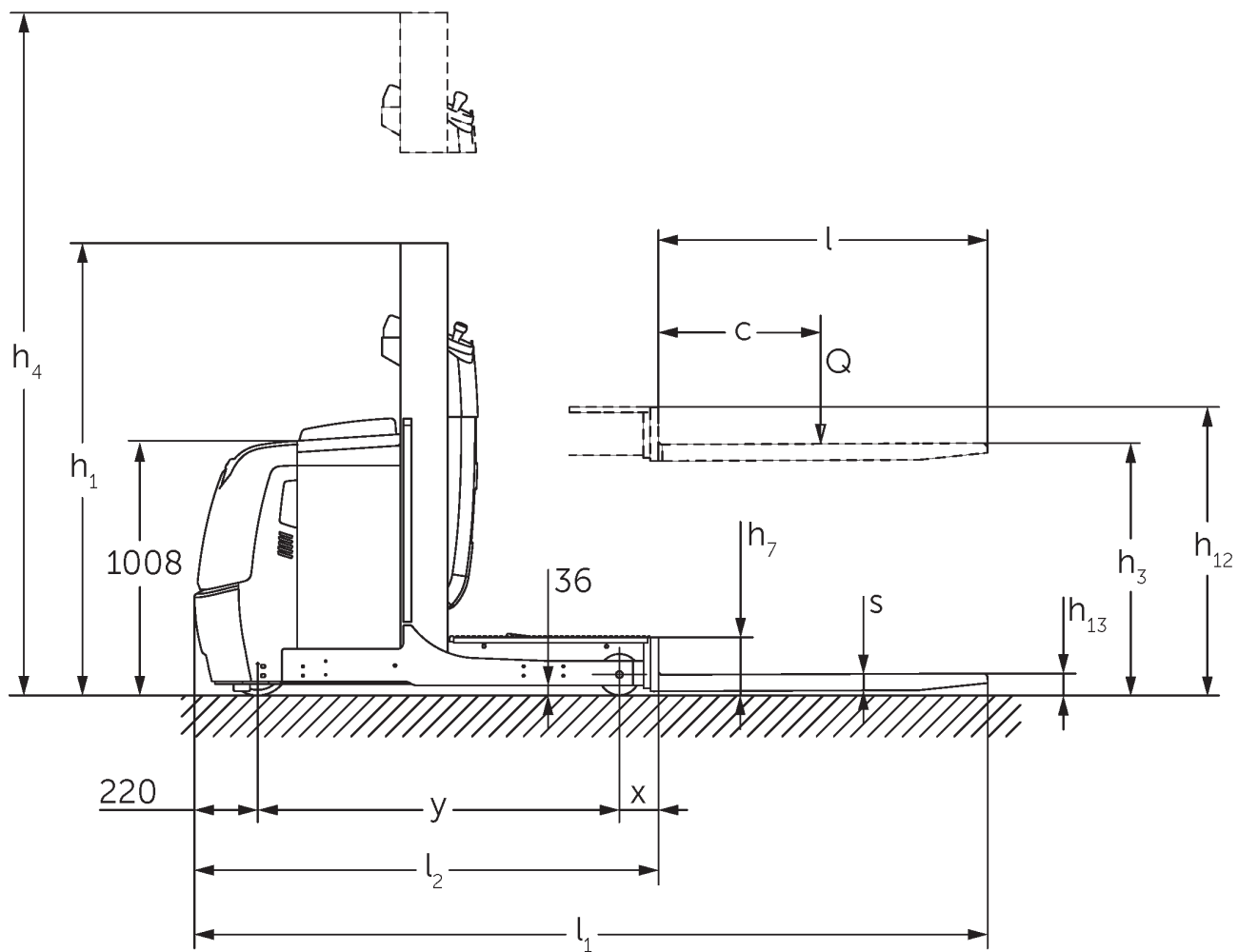
EKS 110

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

Technical drawing of a vehicle seat and backrest assembly in a side view. The drawing includes the following dimensions and parameters:

- h_4 : Total height from the ground to the top of the backrest.
- h_1 : Height from the ground to the top of the seat backrest.
- 1008 : Height from the ground to the top of the seat cushion.
- 220 : Width of the seat base.
- y : Horizontal distance from the front edge of the seat base to the center of gravity of the seat backrest.
- l_2 : Horizontal distance from the front edge of the seat base to the pivot point of the backrest.
- l_1 : Horizontal distance from the front edge of the seat base to the pivot point of the backrest.
- h_7 : Height from the ground to the pivot point of the backrest.
- h_3 : Height from the ground to the top of the backrest.
- h_9 : Height from the ground to the top of the backrest.
- h_{12} : Height from the ground to the top of the backrest.
- h_6 : Height from the ground to the top of the backrest.
- h_{13} : Height from the ground to the top of the backrest.
- Q : Downward force applied to the backrest.
- S : Downward force applied to the seat base.
- C : Horizontal distance from the pivot point of the backrest to the point of application of force Q .
- l : Horizontal distance from the pivot point of the backrest to the point of application of force S .





Picture shows EKS 110 L 100 E

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich								
	1.2	Manufacturer's type designation		EKS 110								
	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	b11	mm	630		720	630		720		
Basic dimensions	4.2	Retracted mast height (h1)	h1	mm	1650	2260	2560	2250	1650	2260	2560	2250
	4.4	Lift (h3)	h3	mm	1000	1600	1900	2800	1000	1600	1900	2800
	4.5	Extended mast height (h4)	h4	mm	2650	3830	4130	5030	2650	3830	4130	5030
	4.7	Height of overhead guard (cab)	h6	mm	-	2230		-	2230			
	4.8.1	Stand height	h7	mm	200							
	4.11	Additional lift	h9	mm	-			800				
	4.14	Stand height, elevated	h12	mm	1200	1800	2100	3000	1200	1800	2100	3000
	4.15	Height, lowered	h13	mm	80							
	4.19	total length	l1	mm	2890		2980	2895		2985		
	4.20	Length including fork shank	l2	mm	1690		1780	1695		1785		
	4.21.1	total width	b1	mm	810		900	810		900		
	4.22	Fork dimensions	s/e/l	mm	60 x 160 x 1200							
	4.25	Width across forks	b5	mm	540							
	4.26	Width between support arms/ loading areas	b4	mm	430		520	430		520		
	4.27	Width over guide rollers	b6	mm	970		1060	970		1060		
	4.31	Ground clearance laden under mast	m1	mm	35							
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast	mm	3039		3127	3039		3127		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	3149		3240	3154		3245		
	4.35	Turning radius	Wa	mm	1548		1603	1548		1603		

Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h		9 / 10 10 / 13	9 / 9 10 / 12	9 / 9 9.5 / 12	9 / 9 9 / 11	9 / 10 10 / 13	9 / 9 10 / 12	9 / 9 9.5 / 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			generative								
	5.11	Parking brake			Electromagnetic spring-loaded brake system								
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	
Batterie	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								
E-motor/Electronics	6.6.1	Energy consumption according to EN cycle	kWh/h		0.42								
	Other	8.1	Type of drive control			AC							
		10.5	Steering version			Electric power steering							
		10.7	Sound pressure level according to EN12053	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 2,230 mm
- 4.5: L100E with overhead guard 3,230 mm
- 4.7: L100E and Z100E overhead guard optional

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

 **JUNGHEINRICH**