



Low level order pickers

ECE 310

Lift height: 750 mm / Load capacity: 1000 kg

The technical drawings illustrate the front and side views of a vehicle chassis, detailing its dimensions and structural components.

Front View (Left):

- Overall width: b_1 , b_{10} , b_{11} , b_5 , b_{12} .
- Overall height: h_3 , h_{13} .
- Dimensions from left edge: $a/2$, l_2 , l_6 , $a/2$.
- Dimensions from right edge: $a/2$, l_6 , l_2 , $a/2$.
- Other dimensions: e , c , x , s , m_2 , y , l_1 .
- Force vectors: Q (vertical), W_a (diagonal).

Side View (Right):

- Overall width: b_1 , b_{10} , b_{11} , b_5 , b_{12} .
- Overall height: h_3 , h_{13} .
- Dimensions from left edge: $a/2$, l_2 , l_6 , $a/2$.
- Dimensions from right edge: $a/2$, l_6 , l_2 , $a/2$.
- Other dimensions: e , c , x , s , m_2 , y , l_1 .
- Force vectors: Q (vertical), W_a (diagonal).

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich	
	1.2	Manufacturer's type designation		ECE 310	ECE 310 HP
	1.3	Drive type		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	821	
	1.9	Wheelbase	y mm	1925	2075
Weights	2.1.1	Service weight (incl. battery)	kg	1084	1274
	2.2	Axle load laden front/rear	kg	839 / 1245	869 / 1405
	2.3	Axle load unladen front/rear	kg	772 / 311	862 / 411
Wheels/chassis	3.1	Tyres		Polyurethane (PU)	
	3.2	Tyre size, front		Ø 230 x 78	
	3.3	Tyre size, rear		Ø 75 x 95	
	3.4	Additional wheels		Ø 180 x 65	
	3.5	Wheels, number front/back (x=driven)		1+1x/2	
	3.6	Tread width, front	b10 mm	481	
	3.7	Tread width, rear	b11 mm	339	
	3.7.1	2. Tread width, rear	mm	379	
Basic dimensions	4.4	Lift (h3)	h3 mm	750	
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1374 / 1418	
	4.14	Stand height, elevated	h12 mm	-	1002
	4.15	Height, lowered	h13 mm	90	
	4.19	Total length	l1 mm	2471	2621
	4.20	Length including fork shank	l2 mm	1321	1471
	4.21.1	total width	b1 mm	810	
	4.22	Fork dimensions	s/e/l mm	56 x 185 x 1150	
	4.25	Width across forks	b5 mm	560	
	4.32	Ground clearance centre of wheelbase	m2 mm	30	
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2721	2871
	4.35	Turning radius	Wa mm	2142	2292
Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	11.5 / 12.5 11.5 / 14	11 / 12.5 11 / 14
	5.2	Lift speed laden/unladen	m/s	0.17 / 0.33	
	5.3	Lowering speed laden/unladen	m/s	0.19 / 0.19	
	5.8	Max. gradeability laden/unladen (Efficiency drivePLUS)	%	6 / 15 6 / 15	
	5.10	Service brake		generative	

Electric motor/electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	2.8 3.2	
	6.2	Lift motor, performance with S3	kW	1.5	
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 465	
	6.5	Battery weight	kg	370	
	6.6.1	Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	0.4 0.47	
	6.6.2	CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	0.2 0.3	
	6.7	Throughput (Efficiency PLUS)	t/h	65 68	64 67
	6.8.1	Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	1.27 1.47	1.28 1.47
Other	8.1	Type of drive control		AC	
	10.5	Steering version		electric	
	10.7	Sound pressure level according to EN12053	dB (A)	62	
- 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.					

Values for L battery compartment; fork length 1,150 mm.

- VDI no. 1.9: with XL or XL (ERE) battery compartment: y + 118 mm; with extended stand-on platform: y + 50 mm.
- VDI no. 4.14: ECE HP: h12 see diagram, dimension 840 mm + 162 mm = 1,002 mm.
- VDI no. 4.19: with XL or XL (ERE) battery compartment: l1 + 118 mm; with extended stand-on platform: l1 + 50 mm.
- VDI no. 4.20: with XL or XL (ERE) battery compartment: l2 + 118 mm; with extended stand-on platform: l2 + 50 mm.
- VDI no. 4.34.2: with XL or XL (ERE) battery compartment: aisle width + 118 mm; with extended stand-on platform: aisle width + 50 mm; diagonal as per VDI: aisle width + 94 mm.
- VDI no. 4.35: with XL or XL (ERE) battery compartment: Wa + 118 mm; with extended stand-on platform: Wa + 50 mm.
- VDI no. 6.2: with S3 10%.
- VDI no. 6.4: with XL battery compartment: 24 V / 620 Ah.
- VDI no. 6.5: with XL battery compartment: 460 kg.