



Electric sideways-seated pallet truck

ESE 533

Lift height: 115 mm / Load capacity: 3300 kg

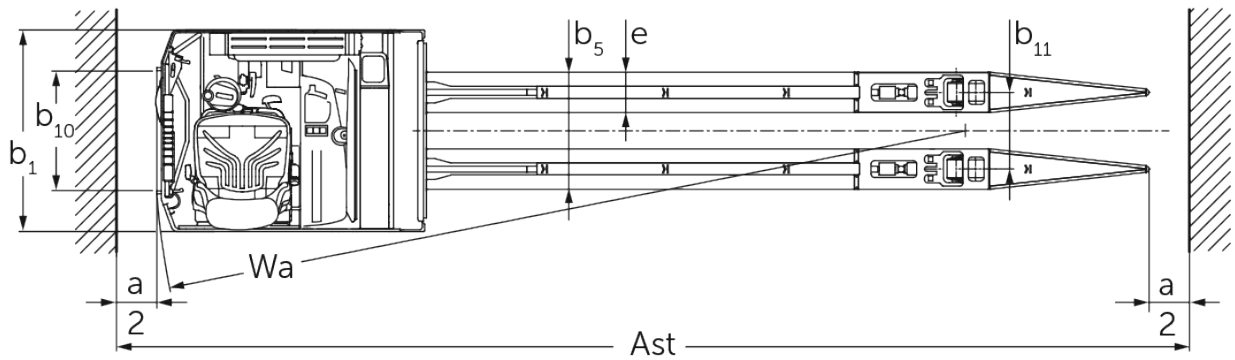
The drawing consists of two views of a machine with a horizontal beam.

Top View: Shows the machine on the left and a long horizontal beam extending to the right. Dimensions include:

- 2020 : Total height of the machine.
- h_7 : Height of the machine's base.
- 228 : Width of the machine's base.
- l_2 : Distance from the machine's center to the start of the beam.
- l_1 : Total length of the beam.
- l : Distance from the machine's center to the end of the beam.
- x : Distance from the machine's center to a point Q on the beam.
- c : Distance from the machine's center to the start of the beam.
- Q : A downward force applied to the beam.
- m_2 : A mass on the beam.
- s : A distance from the machine's center to the mass m_2 .
- h_3 and h_{13} : Heights of the beam's end.

Bottom View: Shows the machine from the side and the beam's cross-section. Dimensions include:

- b_1 and b_{10} : Widths of the machine's base.
- a : Distance from the machine's center to the end of the beam.
- Wa : A label pointing to the machine's base.
- b_5 , e , and b_{11} : Widths of the beam's cross-section.
- Ast : A label pointing to the beam's cross-section.



VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich
	1.2	Manufacturer's type designation		ESE 533
	1.3	Drive type		electric
	1.4	Operation		Seat
	1.5	Load capacity/load	Q kg	3300
	1.6	Load centre distance	c mm	1800
	1.8	Load distance, centre of drive axle to fork	x mm	2673
	1.9	Wheelbase	y mm	3785
Weights	2.1.1	Service weight (incl. battery)	kg	3490
	2.2	Axle load laden front/rear	kg	3555 / 3240
	2.3	Axle load unladen front/rear	kg	2745 / 745
Wheels/chassis	3.1	Tyres		Vulkollan®
	3.2	Tyre size, front		Ø 343 x 140
	3.3	Tyre size, rear		Ø 90 x 100
	3.5	Wheels, number front/back (x=driven)		2x / 4
	3.6	Tread width, front	b10 mm	592
	3.7	Tread width, rear	b11 mm	380
Basic dimensions	4.4	Lift (h3)	h3 mm	115
	4.8	Seat height/stand height	h7 mm	1470
	4.15	Height, lowered	h13 mm	95
	4.19	Total length	l1 mm	4895
	4.20	Length including fork shank	l2 mm	1340
	4.21.1	total width	b1 mm	1000
	4.22	Fork dimensions	s/e/l mm	70 x 200 x 3600
	4.25	Width across forks	b5 mm	580
	4.32	Ground clearance centre of wheelbase	m2 mm	20
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	5340
	4.35	Turning radius	Wa mm	4025
Performance data	5.1	Travel speed laden/unladen	km/h	20 / 20
	5.2	Lift speed laden/unladen	m/s	0.06 / 0.06
	5.3	Lowering speed laden/unladen	m/s	0.05 / 0.05
	5.7	Gradeability laden/unladen	%	5 / 10
	5.10	Service brake		electric
Electric motor/electronics	6.1	Drive motor, performance S2 60 min	kW	8.5
	6.1.1	2. Drive motor, performance S2 60 min	kW	8.5
	6.2	Lift motor, performance with S3	kW	2
	6.3	Battery according to DIN 43531/35/36		no
	6.4	Battery voltage/nominal capacity	V / Ah	48 / 1000
	6.5	Battery weight	kg	1430
	6.6	Energy consumption according to VDI cycle	kWh/h	0
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.92
	6.6.2	CO2 equivalent according to EN ISO 23308	kg/h0	0.5

Other	8.1	Type of drive control		Mosfet/AC
- 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.				

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**