



# Electric stand-on pallet truck

## **ESE 120**

Lift height: 125 mm / Load capacity: 2000 kg



# ESE 120



# VDI table

Stand-on: 08/2023

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich	
	1.2	Manufacturer's type designation		<b>ESE 120</b>	
	1.3	Drive		Electric	
	1.4	Operation		Stand-on	
	1.5	Load capacity/load	Q	kg	2000
	1.6	Load centre distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	964
	1.9	Wheelbase	y	mm	1595
	Weights	2.1.1	Service weight (incl. battery)		kg
2.2		Axle load laden front/rear		kg	1840 / 1017
2.3		Axle load unladen front/rear		kg	215 / 642
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)
	3.2	Tyre size, front			Ø 230 x 77
	3.3	Tyre size, rear			Ø 85x85
	3.4	Additional wheels			Ø 140 x 57
	3.5	Wheels, number front/back (x=driven)			2 - 1x / 4
	3.6	Tread width, front	b <sub>10</sub>	mm	485
	3.7	Tread width, rear	b <sub>11</sub>	mm	370
Basic dimensions	4.4	Lift (h <sub>3</sub> )	h <sub>3</sub>	mm	125
	4.15	Height, lowered	h <sub>13</sub>	mm	90
	4.19	total length	l <sub>1</sub>	mm	2024
	4.20	Length including fork shank	l <sub>2</sub>	mm	874
	4.21.1	total width	b <sub>1</sub>	mm	760
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150
	4.25	Width across forks	b <sub>5</sub>	mm	540
	4.32	Ground clearance centre of wheelbase	m <sub>2</sub>	mm	30
	4.34.2	Aisle width (pallet 800x1200 length)	A <sub>st</sub>	mm	2274
	4.35	Turning radius	W <sub>a</sub>	mm	1838
Performance data	5.1	Travel speed laden/unladen		km/h	10 / 12.5
	5.2	Lift speed laden/unladen		m/s	0.04 / 0.05
	5.3	Lowering speed laden/unladen		m/s	0.07 / 0.05
	5.8	Max. gradeability laden/unladen		%	6 / 12
	5.10	Service brake			generative
E - motor/Electronics	6.1	Drive motor, performance S2 60 min		kW	2.8
	6.2	Lift motor, performance with S3		kW	2
	6.3	Battery according to DIN 43531/35/36			B
	6.4	Battery voltage/nominal capacity		V / Ah	24 / 375
	6.5	Battery weight		kg	297
	6.6	Energy consumption according to VDI cycle		kWh/h	0
	6.6.1	Energy consumption according to EN cycle		kWh/h	0.35
	6.6.2	CO2 equivalent as per EN 16796		kg/h	0.2
Other	8.1	Type of drive control			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 values in the table apply for the L battery compartment, fork length 1,150 mm, raised support arm lift.

- VDI no. 1.8: lowered load section:  $x + 90$  mm.
- VDI no. 1.9: lowered load section:  $y + 65$  mm.
- VDI no. 4.20: XL battery compartment:  $l_2 + 72$  mm.
- VDI no. 4.34: diagonal as per VDI: aisle width + 188 mm.

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**