



Electric pedestrian stacker with support arm lift

EJD 120/222

Lift height: 1500-2905 mm / Load capacity: 2000-2200 kg

EJD 120/222



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EJD 120, EJD 222	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	1660 mm	1306 mm	100 mm	2115 mm
	2010 mm	1481 mm	100 mm	2465 mm
	2100 mm	1526 mm	100 mm	2555 mm
Single mast E	1500 mm	1921 mm	1468 mm	1953 mm
	1660 mm	2081 mm	1628 mm	2113 mm
	2100 mm	2521 mm	2068 mm	2553 mm
EJD 222	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2560 mm	1756 mm	100 mm	3015 mm
	2900 mm	1926 mm	100 mm	3355 mm
Triplex mast DT	2050 mm	1213 mm	100 mm	2513 mm
	2350 mm	1313 mm	100 mm	2813 mm
	2500 mm	1363 mm	100 mm	2963 mm
	2905 mm	1498 mm	100 mm	3368 mm

VDI table

Stand-on: 11/2021

		Jungheinrich			
Characteristic	1.1	Manufacturer (abbreviated description)			
	1.2	Manufacturer's type designation	EJD 120	EJD 222	
	1.3	Drive	Electric		
	1.4	Operation	Pedestrian		
	1.5	Load capacity/load	Q kg	2000	2200
	1.5.1	Rated capacity/load with mast lift	Q kg	1000	
	1.5.2	Rated capacity/load with support arm lift	Q kg	2000	2200
	1.6	Load centre distance	c mm	600	
	1.8	Load distance, centre of drive axle to fork	x mm	940	953
	1.9	Wheelbase	y mm	1495	1664
Weights	2.1	Service weight	kg	662	725
	2.1.1	Service weight (incl. battery)	kg	812	935
	2.2	Axle load laden front/rear	kg	1081 / 1738	1116 / 2024
	2.3	Axle load unladen front/rear	kg	585 / 227	664 / 271
Wheels/suspension system	3.1	Tyres	Polyurethane (PU)		
	3.2	Tyre size, front	Ø 230 x 65		
	3.3	Tyre size, rear	Ø 85 x 95 / Ø 85 x 75		
	3.4	Additional wheels	Ø 100 x 40		
	3.5	Wheels, number front/back (x=driven)	1x +2/2 oder 4		
	3.6	Tread width, front	b ₁₀ mm	520	522
	3.7	Tread width, rear	b ₁₁ mm	350	385
Basic dimensions	4.2	Retracted mast height (h1)	h ₁ mm	1265	1306
	4.3	Free lift (h2)	h ₂ mm	90	100
	4.4	Lift (h3)	h ₃ mm	1660	
	4.5	Extended mast height (h4)	h ₄ mm	2116	2115
	4.6	Initial lift	h ₅ mm	120	
	4.9	Height of tiller handle in drive position min./max.	mm	820 / 1237	750 / 1237
	4.15	Height, lowered	h ₁₃ mm	93	90
	4.19	Overall length	l ₁ mm	1916	2046
	4.19.4	Length including fork length	l ₁ mm	1874	-
	4.20	Length including fork shank	l ₂ mm	684	783
	4.21.1	Overall width	b ₁ mm	726	
	4.22	Fork dimensions	s/e/l mm	56 x 185 x 1190	
	4.25	Width across forks	b ₅ mm	535	570
	4.32	Ground clearance centre of wheelbase	m ₂ mm	23	20
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast mm	2469	2578
	4.34.1	Aisle width (pallet 800x1200 length)	Ast mm	2343	2447
4.35	Turning radius	W _a mm	1666	1776	
Performance data	5.1	Travel speed laden/unladen	km/h	6 / 6	
	5.2	Lift speed laden/unladen	m/s	0.14 / 0.25	
	5.3	Lowering speed laden/unladen	m/s	0.31 / 0.25	
	5.8	Max. gradeability laden/unladen	%	8 / 15	10 / 15
	5.10	Service brake		generative	
E-motor/ Electronics	6.1	Drive motor, performance S2 60 min	kW	1.3	1.7
	6.2	Lift motor, performance with S3	kW	2.2	
	6.3	Battery according to DIN 43531/35/36		DIN 43535 B	
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 150	24 / 250

	6.5	Battery weight	kg	150	210
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.54	0.61
	6.6.2	CO2 equivalent as per EN 16796	kg/h	0.3	
	6.7	Throughput	t/h	41	37
	6.8	Turnover efficiency according to VDI 2198	t/kWh	49	39
	6.8.1	Energy consumption with max. throughput	kWh/h	0.84	-
Other	8.1	Type of drive control		AC	
	10.7	Sound level as per EN12053, operator's ear	dB (A)	67	

- 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.

EJD 120:

The values in the table apply to battery room S-VBE, mast ZT1660, support arm lift raised.

- VDI-No. 1.5: Nominal capacity in double-decker operation: support arm lift: 1.0 t / mast lift: 1.0 t.
- VDI-No. 1.8: With lowered support arms: x + 56 mm.
- VDI-No. 1.9: With lowered support arms: y + 56 mm; With battery compartment M-VBE: y + 142 mm.
- VDI-No. 4.19: With battery compartment M-VBE: l1 + 142 mm.
- VDI-No. 4.20: With battery compartment M-VBE: l2 + 142 mm.
- VDI-No. 4.34.1: With lowered wheel arms: Ast + 54 mm; With battery compartment M-VBE: Ast + 142 mm.
- VDI-No. 4.34.2: With lowered wheel arms: Ast + 29 mm; With battery compartment M-VBE: Ast + 142 mm.
- VDI-No. 4.35: With lowered wheel arms: Wa + 56 mm; With battery compartment M-VBE: Wa + 142 mm.
- VDI-No. 5.2: Lifting speed with / without load for support arm lift: 0.05 / 0.05 km / h.
- VDI-No. 5.3: Lowering speed with / without load for support arm lift: 0.03 / 0.05 km / h.
- VDI-No. 6.2: Characteristic value at S3 = 5% duty cycle.

EJD 222:

The values in the table apply to battery compartment M-SBE, mast ZT1660, support arm lift raised.

- VDI-No. 1.5: Nominal capacity in double-decker operation: support arm lift: 1.0 t / mast lift: 1.0 t.
- VDI-No. 1.8: With lowered support arms: x + 56 mm.
- VDI-No. 1.9: With lowered support arms: y + 56 mm; With battery compartment M-VBE: y + 72 mm; With battery compartment L-VBE: y + 117 mm.
- VDI-No. 4.19: With battery compartment M-VBE: l1 + 72 mm; With battery compartment L-VBE: l1 + 117 mm.
- VDI-No. 4.20: With battery compartment M-VBE: l1 + 72 mm; With battery compartment L-VBE: l1 + 117 mm.
- VDI-No. 4.34.1: With lowered wheel arms: Ast + 54 mm; With battery compartment M-VBE: Ast + 72 mm; With battery compartment L-VBE: Ast + 117 mm.
- VDI-No. 4.34.2: With lowered wheel arms: Ast + 29 mm; With battery compartment M-VBE: Ast + 72 mm; With battery compartment L-VBE: Ast + 117 mm.
- VDI-No. 4.35: With lowered wheel arms: Wa + 56 mm; With battery compartment M-VBE: Wa + 72 mm; With battery compartment L-VBE: Wa + 117 mm.
- VDI-No. 5.2: Lifting speed with / without load for support arm lift: 0.05 / 0.05 km / h
- VDI-No. 5.3: Lowering speed with / without load for support arm lift: 0.025 / 0.05 km / h
- VDI-No. 6.2: Characteristic value at S3 = 5% duty cycle.

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

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



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