

Electric pedestrian stacker with support arm lift

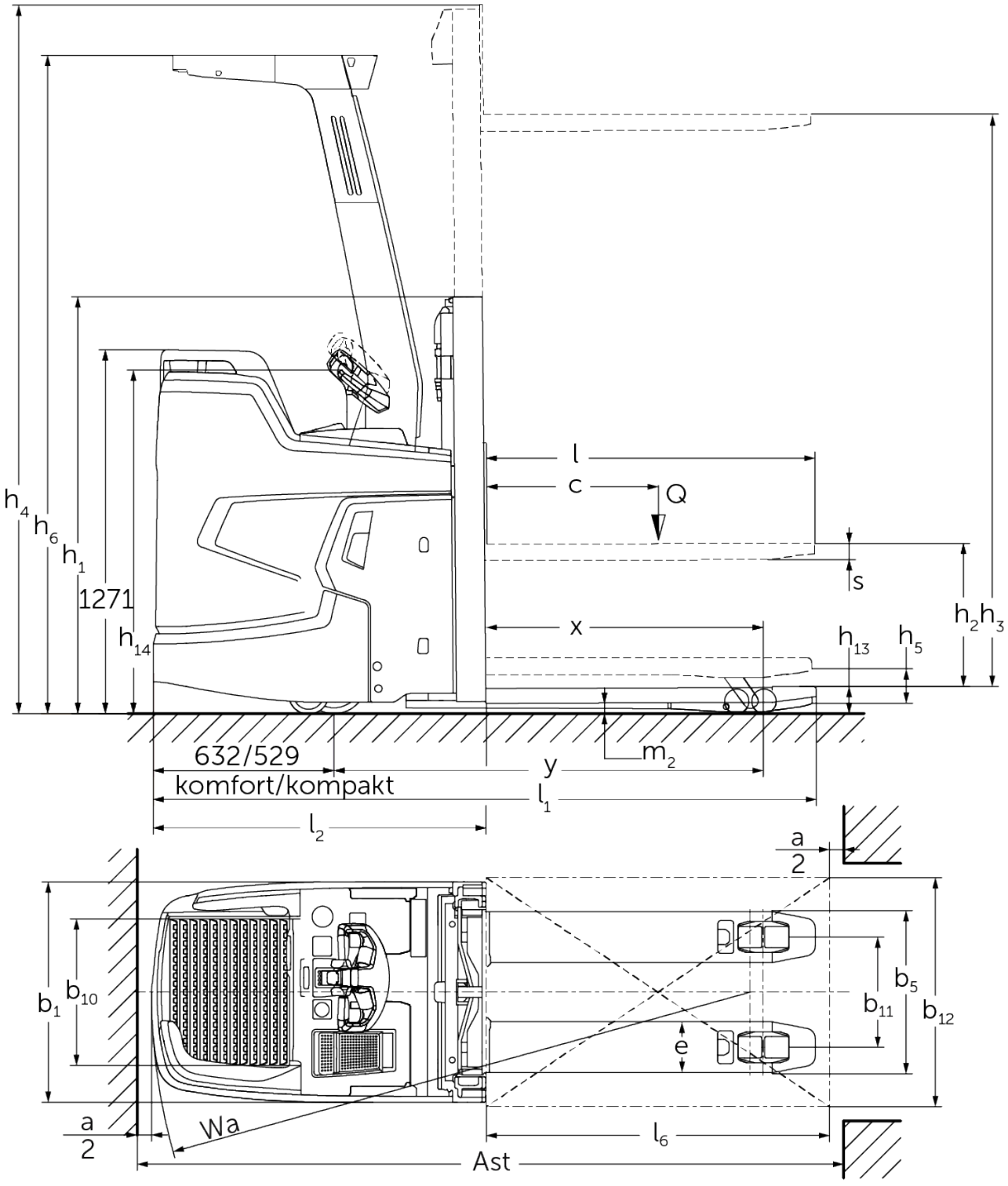
ERD 220i

Lift height: 1660-3760 mm / Load capacity: 2000 kg

LION technology

JUNGHEINRICH

ERD 220i


h4
h6
h1
1271
h14
l
c
Q
s
h2
h3
x
h13
h5
m2
632/529
komfort/kompakt
y
l1
l2
a
2
b1
b10
b5
b11
b12
e
a
2
Wa
l6
Ast

ERD 220i

ERD 220i	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	1660 mm	1330 mm	100 mm	2125 mm
	2010 mm	1505 mm	100 mm	2475 mm
	2100 mm	1550 mm	100 mm	2565 mm
	2560 mm	1780 mm	100 mm	3025 mm
	2900 mm	1950 mm	100 mm	3365 mm
Triplex mast DZ	3070 mm	1500 mm	990 mm	3580 mm
	3760 mm	1730 mm	1220 mm	4270 mm

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich
	1.2	Manufacturer's type designation			ERD 220i
	1.3	Drive			electric
	1.4	Operation			Tiller
	1.5	Load capacity/load	Q	kg	2000
	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
	1.6	Load centre distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	959
	1.9	Wheelbase	y	mm	1495
Weights	2.1.1	Service weight (incl. battery)		kg	1055
	2.2	Axle load laden front/rear		kg	1245 / 1810
	2.3	Axle load unladen front/rear		kg	835 / 220
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)
	3.2	Tyre size, front			ø 230x77
	3.3	Tyre size, rear			ø 85x95
	3.4	Additional wheels			ø 140x57
	3.5	Wheels, number front/back (x=driven)			1x +2
	3.6	Tread width, front	b10	mm	512
	3.7	Tread width, rear	b11	mm	385
Basic dimensions	4.2	Retracted mast height (h1)	h1	mm	1505
	4.3	Free lift (h2)	h2	mm	100
	4.4	Lift (h3)	h3	mm	2010
	4.5	Extended mast height (h4)	h4	mm	2475
	4.6	Initial lift	h5	mm	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1215 / 1275
	4.15	Height, lowered	h13	mm	94
	4.19	total length	l1	mm	2358
	4.20	Length including fork shank	l2	mm	1168
	4.21.1	total width	b1	mm	770
	4.22	Fork dimensions	s/e/l	mm	56 x 185 x 1190
	4.25	Width across forks	b5	mm	570
	4.32	Ground clearance centre of wheelbase	m2	mm	18
	4.34.1	Aisle width (pallet 1000×1200 sideways)	Ast	mm	2564
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	2574
	4.35	Turning radius	Wa	mm	2133
Performance data	5.1	Travel speed laden/unladen (Efficiency | drivePLUS)		km/h	9 / 12.5 | 9 / 14
	5.2	Lift speed laden/unladen		m/s	0.21 / 0.37
	5.3	Lowering speed laden/unladen		m/s	0.49 / 0.44
	5.7	Gradeability laden/unladen		%	8 / 16
	5.8	Max. gradeability laden/unladen		%	8 / 16
	5.10	Service brake			generative

E-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	2.2
	6.3	Battery according to DIN 43531/35/36		Jungheinrich Li-ion
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 260
	6.5	Battery weight	kg	100
	6.6.1	Energy consumption according to EN cycle (Efficiency | PLUS)	kWh/h	0.6 | 0.65
	6.6.2	CO2 equivalent according to EN ISO 23308 (Efficiency | PLUS)	kg/h	0.32 | 0.4
	6.7	Throughput (Efficiency | PLUS)	t/h	100 | 106
	6.8	Turnover efficiency according to VDI 2198 (Efficiency | PLUS)	t/kWh	106 | 105
	6.8.1	Energy consumption with max. throughput (Efficiency | PLUS)	kWh/h	0.94 | 1.01
Other	10.7	Sound pressure level according to EN12053	dB (A)	67.1

- 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 fixed stand-on platform, integrated M battery compartment, ZT2010 mast without overhead guard, raised support arm lift.
Entry height for stand-on platform: 202 / 214 mm (stand-on platform standard / stand-on platform suspension adjustable).
Ground clearance at end of stand-on platform: 117 / 98 mm (stand-on platform standard / stand-on platform compact).
An overhead guard is optionally available and compulsory for masts with h3 > 2,300 mm. (VDI no. 4.7 height of overhead guard: h6 = 2,300 mm: VDI no. 4.8 stand height with unladen stand-on platform: h7 = 2,037 / 2,025 mm (stand-on platform standard / stand-on platform suspension adjustable)).

- VDI no. 1.5: in double-decker operation: mast lift max. 1 t / total load max. 2 t. Permitted up to a lift height h13 + h3 of 1,800 mm. The heavier load is to be transported on the support arms (below).
- VDI no. 1.8: lowered support arm lift: x + 46 mm. With fork length 1,150 mm: x - 40 mm. With DZ mast: x - 18 mm.
- VDI no. 1.9: lowered support arm lift: y + 46 mm. With fork length 1,150 mm: y - 40 mm.
- VDI no. 4.19: with fork length 1,150 mm: l1 - 40 mm. with compact stand-on platform: l1 - 103 mm. With DZ mast: l1 + 18 mm.
- VDI no. 4.20: with compact stand-on platform: l2 - 103 mm. With DZ mast: l2 + 18 mm.
- VDI no. 4.34.1: with fork length 1,150 mm: aisle width - 40 mm. With compact stand-on platform: aisle width - 103 mm. With DZ mast: aisle width + 18 mm.
- VDI no. 4.34.2: with fork length 1,150 mm: aisle width - 40 mm. With compact stand-on platform: aisle width - 103 mm. With DZ mast: aisle width + 10 mm.
- VDI no. 4.35: lowered support arm lift: Wa + 46 mm. with fork length 1,150 mm: Wa - 40 mm. With compact stand-on platform: Wa - 103 mm.
- VDI no. 5.1: travel speed in double-decker operation (mast lift > 400 mm): efficiency performance package: 7 km/h up to 1,400 mm; drivePLUS performance package: 8.2 km/h up to 1,400 mm; above 1,400 mm, further speed reductions apply depending on load and lift height.

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.

CE

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