Electric pedestrian stacker with support arm lift

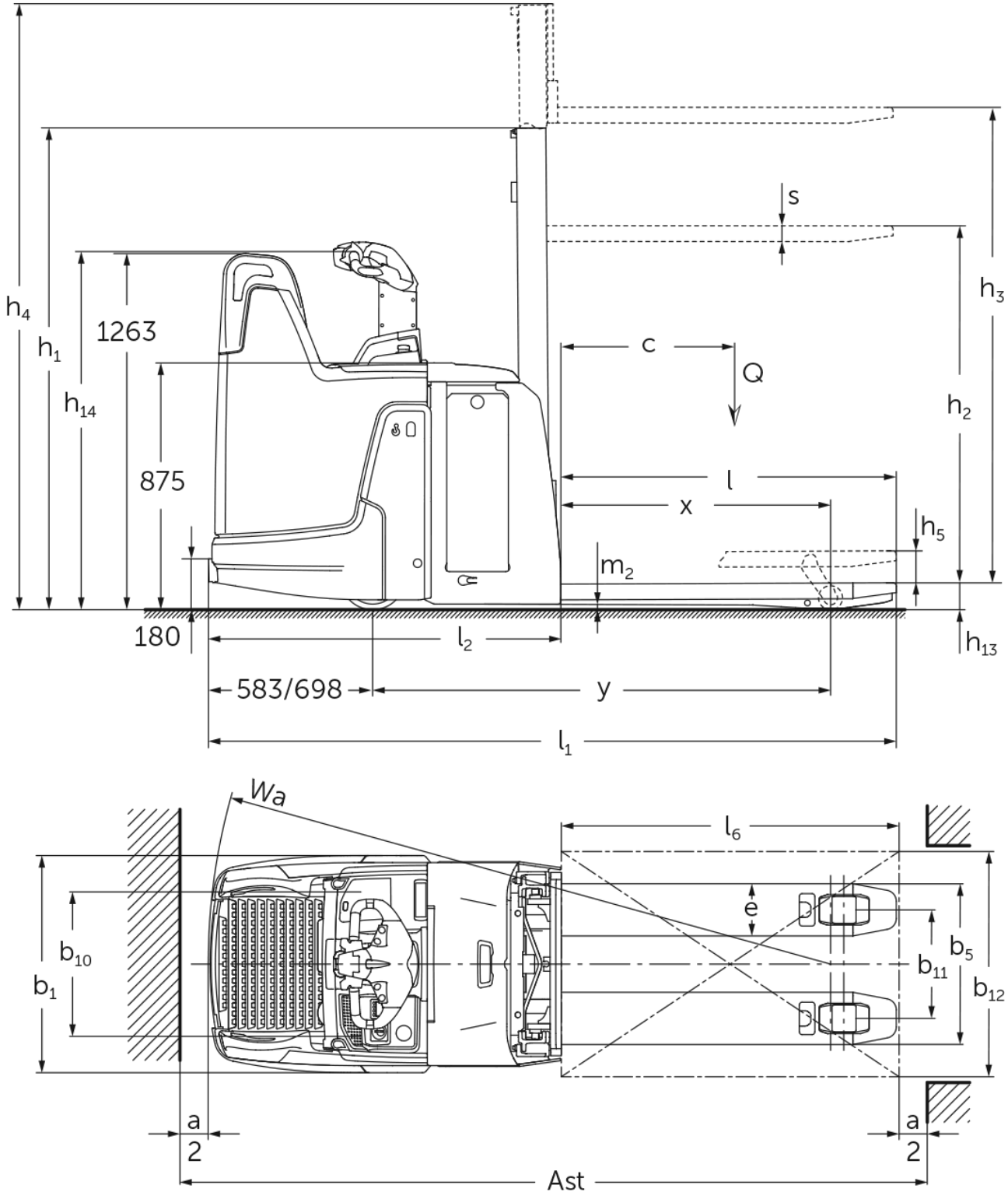
ERD 120/220/220 drivePLUS

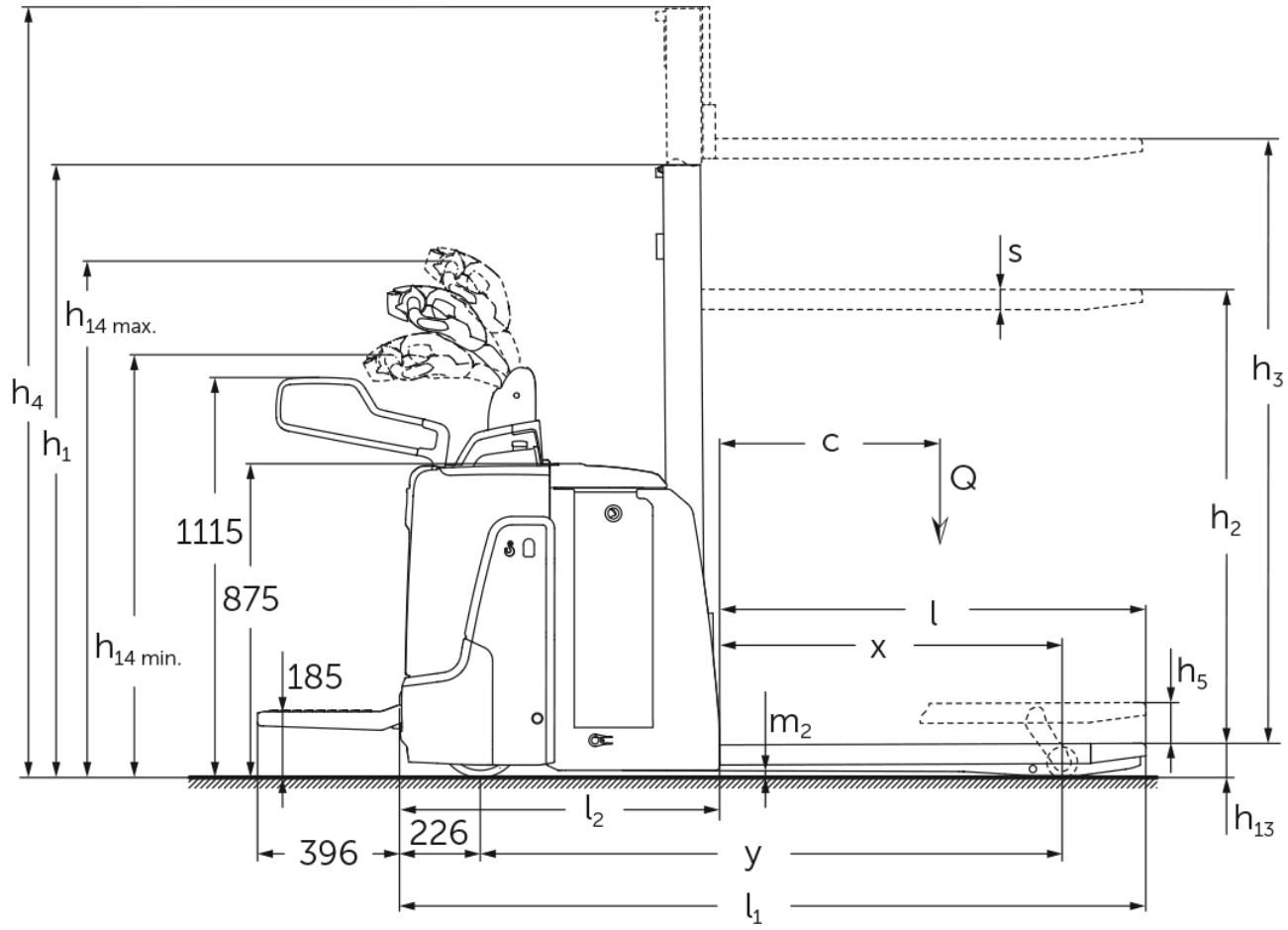
Lift height: 1500-2905 mm / Load capacity: 2000 kg

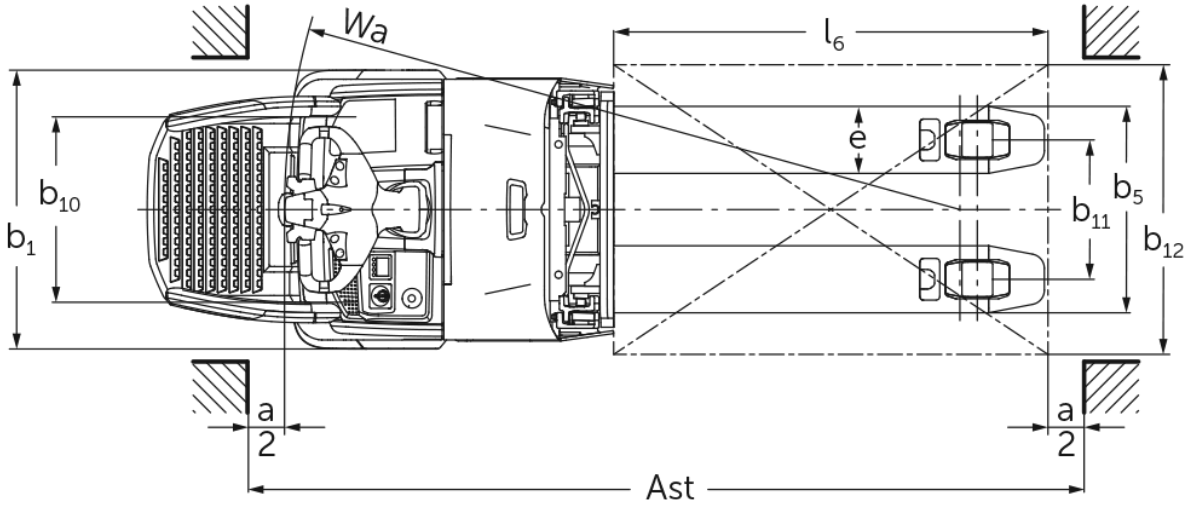
LI-ION technology

JUNGHEINRICH

ERD 120/220/220 drivePLUS




h4
h1
h14 max.
h14 min.
1115
875
185
s
h3
h2
c
Q
l
x
h5
m2
h13
l2
396
226
y
l1


Wa
l6
e
b10
b1
b5
b11
b12
a
2
a
2
Ast

ERD 120/220/220 drivePLUS

ERD 120, ERD 220, ERD 220 drivePLUS	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Single mast E	1500 mm	1921 mm	1468 mm	1953 mm
	1660 mm	2081 mm	1628 mm	2113 mm
Triplex mast DT	2050 mm	1213 mm	100 mm	2513 mm
	2350 mm	1313 mm	100 mm	2813 mm

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich			
	1.3	Drive			Electric			
	1.4	Operation			Stand-on/pedestrian			
	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	956			
	1.9	Wheelbase	y	mm	1624			
Weights	2.1.1	Service weight (incl. battery)		kg	1010			
	2.2	Axle load laden front/rear		kg	1185 / 1830			
	2.3	Axle load unladen front/rear		kg	750 / 260			
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)			
	3.2	Tyre size, front			ø 230 x 65	ø 230 x 77		
	3.3	Tyre size, rear			ø 85 x 95 / ø 85 x 75			
	3.4	Additional wheels			ø 140 x 50			
	3.5	Wheels, number front/back (x=driven)			1x + 2 / 2 oder 4			
	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	1306			
	4.3	Free lift (h2)	h2	mm	100			
	4.4	Lift (h3)	h3	mm	1660			
	4.5	Extended mast height (h4)	h4	mm	2115			
	4.6	Initial lift	h5	mm	110			
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1230 / 1410			
	4.15	Height, lowered	h13	mm	90			
	4.19	total length	l1	mm	2084			
	4.20	Length including fork shank	l2	mm	894			
	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	19			
	4.34.1	Aisle width (pallet 1000×1200 sideways)	Ast	mm	2300			
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	2310			
	4.35	Turning radius	Wa	mm	1866			
Performance data	5.1	Travel speed laden/unladen		km/h	8.2 / 9	9.5 / 12.5	9.5 / 14	
	5.2	Lift speed laden/unladen		m/s	0.17 / 0.32			
	5.3	Lowering speed laden/unladen		m/s	0.45 / 0.35			
	5.7	Gradeability laden/unladen		%	8 / 16	10 / 20		
	5.10	Service brake			generative			

E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	2	2.8	3.2
	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 / 250		
	6.5	Battery weight	kg	235		
	6.6	Energy consumption according to VDI cycle	kWh/h	0		
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.68	0.62	0.71
	6.6.2	CO2 equivalent according to EN ISO 23308	kg/h0	0.4	0.3	0.4
	6.7	Throughput	t/h	84	108	
	6.8.1	Energy consumption with max. throughput	kWh/h	0.83	1.44	1.48
Other	8.1	Type of drive control		AC		
	10.7	Sound pressure level according to EN12053	dB (A)	71	68	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.

The values in the table apply to the folding stand-on platform (folded up), M-LBE battery compartment, ZT1660 mast, proportional hydraulics, fork length 1,190 mm, raised support arm lift.

- 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 + 48 mm. With fork length 1,150 mm: x - 40 mm. With simplex mast: x - 1 mm; triplex telescopic mast: x - 10 mm; ZZ mast: x - 29 mm.
- VDI no. 1.9: lowered support arm lift: y + 48 mm. With fork length 1,150 mm: y - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: y + 72 mm; L-VBE: y + 117 mm.
- VDI no. 4.9: with fixed stand-on platform: 1,256 mm (1,296 mm with L high-LBE battery compartment) or 1,204 / 1,284 mm with height-adjustable tiller.
- VDI no. 4.19: with M-VBE, L-SBE & L-high SBE battery compartment: l1 + 72 mm; L-VBE: l1 + 117 mm. With folding platform folded down: l1 + 396 mm; compact, fixed platform: l1 + 357 mm; extended, fixed platform: l1 + 472 mm; L platform: l1 + 477 mm. With simplex mast: l1+ 1 mm; triplex telescopic mast: l1 + 10 mm; ZZ mast: l1+ 29 mm.
- VDI no. 4.20: with M-VBE, L-SBE & L-high SBE battery compartment: l2 + 72 mm; L-VBE: l2 + 117 mm. With folding platform folded down: l2 + 396 mm; compact, fixed platform: l2 + 357 mm; extended, fixed platform: l2 + 472 mm; L platform: l2 + 477 mm. With simplex mast: l2+ 1 mm; triplex telescopic mast: l2 + 10 mm; ZZ mast: l2+ 29 mm.
- VDI no. 4.34.1: with fork length 1,150 mm: aisle width - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: aisle width + 72 mm; L-VBE: aisle width + 117 mm. With folding platform folded down: aisle width + 396 mm; compact, fixed platform: aisle width + 357 mm; extended, fixed platform: aisle width + 472 mm; L platform: aisle width + 477 mm. With simplex mast: aisle width + 1 mm; triplex telescopic mast: aisle width + 10 mm; ZZ mast: aisle width + 29 mm.
- VDI no. 4.34.2: with fork length 1,150 mm: aisle width - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: aisle width + 72 mm; L-VBE: aisle width + 117 mm. With folding platform folded down: aisle width + 396 mm; compact, fixed platform: aisle width + 357 mm; extended, fixed platform: aisle width + 472 mm; L platform: aisle width + 477 mm. With simplex mast: aisle width + 1 mm; triplex telescopic mast: aisle width + 10 mm; ZZ mast: aisle width + 29 mm.
- VDI no. 4.35: with fork length 1,150 mm: Wa - 40 mm. With M-VBE, L-SBE & L-high SBE battery compartment: Wa + 72 mm; L-VBE: Wa + 117 mm. With folding platform folded down: Wa + 396 mm; compact, fixed platform: Wa + 357 mm; extended, fixed platform: Wa + 472 mm; L platform: Wa + 477 mm.
- VDI no. 5.3: With black / white hydraulics: 0.26 / 0.27 m/s.
- VDI no. 6.2: With black / white hydraulics: 1.9 kW.
- VDI no. 5.1: maximum travel speed in double-decker operation (mast lift > 400 mm): ERD 120: 6 km/h; ERD 220 / 220 drivePLUS: 8.2 km/h.

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

JUNGHEINRICH