



Electric pedestrian stacker with support arm lift

ERD 220i

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



The image contains two technical drawings of a vehicle, likely a truck or heavy-duty car, showing side and top views with various dimensions and labels.

Side View (Top):

- Vertical dimensions on the left: h_4, h_6, h_1 , with a specific value of 1271 indicated between h_6 and h_1 .
- Vertical dimension h_{14} is shown for the lower body section.
- Horizontal dimensions: l (total wheelbase), c (distance to front axle), x (distance to rear axle), y (distance from rear axle to a reference point), m_2 (distance from reference point to another point), l_1 (total length), and l_2 (distance between axles).
- Force Q is indicated acting downwards at distance c .
- Height dimensions on the right: s , h_2, h_3 , h_{13} , h_5 , and h_3 .
- Labels "632/529" and "komfort/kompakt" are present near the rear axle.

Top View (Bottom):

- Width dimensions on the left: b_1, b_{10} .
- Width dimensions on the right: b_5, b_{11}, b_{12} .
- Horizontal dimensions: $a/2$ (distance from side to centerline), Wa (width of a specific component), l_6 (distance between two points), and Ast (distance from front to a reference point).
- Vertical dimension e is shown between two horizontal lines.
- Diagonal dashed lines represent the wheel tracks.

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

Kennzeichen	1.1	Hersteller (Kurzbezeichnung)		Jungheinrich
	1.2	Typzeichen des Herstellers		ERD 220i
	1.3	Antrieb		electric
	1.4	Bedienung		Tiller
	1.5	Load capacity/load	Q kg	2000
	1.5.1	Nenntragfähigkeit/Last bei Masthub	Q kg	1000
	1.5.2	Nenntragfähigkeit/Last bei Radarmhub	Q kg	2000
	1.6	Lastschwerpunktstand	c mm	600
	1.8	Lastabstand	x mm	959
	1.9	Radstand	y mm	1495
Gewichte	2.1.1	Eigengewicht (inkl. Batterie)	kg	1055
	2.2	Achslast mit Last vorn/hinten	kg	1245 / 1810
	2.3	Achslast ohne Last vorn/hinten	kg	835 / 220
Räder/Fahrwerk	3.1	Bereifung		Polyurethane (PU)
	3.2	Reifengröße, vorn		ø 230x77
	3.3	Reifengröße, hinten		ø 85x95
	3.4	Zusatzräder		ø 140x57
	3.5	Wheels, number front/back (x=driven)		1x +2
	3.6	Spurweite, vorn	b10 mm	512
	3.7	Spurweite, hinten	b11 mm	385
Grundabmessungen	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	Initialhub	h5 mm	120
	4.9	Höhe Deichselgriff in Fahrstellung min./max.	h14 mm	1215 / 1275
	4.15	Höhe gesenkt	h13 mm	94
	4.19	Gesamtlänge	l1 mm	2358
	4.20	Länge einschließlich Gabelrücken	l2 mm	1168
	4.21.1	Gesamtbreite	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	Bodenfreiheit Mitte Radstand	m2 mm	18
	4.34.1	Arbeitsgangbreite (Palette 1000x1200 quer)	Ast mm	2564
	4.34.2	Arbeitsgangbreite (Palette 800x1200 längs)	Ast mm	2574
	4.35	Wenderadius	Wa mm	2133

Leistungsdaten	5.1	Fahrgeschwindigkeit mit/ohne Last (Efficiency drivePLUS)	km/h	9 / 12.5 9 / 14
	5.2	Hubgeschwindigkeit mit/ohne Last	m/s	0.21 / 0.37
	5.3	Senkgeschwindigkeit mit/ohne Last	m/s	0.49 / 0.44
	5.7	Steigfähigkeit mit/ohne Last	%	8 / 16
	5.8	Max. Steigfähigkeit mit/ohne Last	%	8 / 16
	5.10	Betriebsbremse		generative
E-Motor/Elektronik	6.1	Fahrmotor, Leistung S2 60 min (Efficiency drivePLUS)	kW	2.8 3.2
	6.2	Hubmotor, Leistung bei S3	kW	2.2
	6.3	Batterie nach DIN 43531/35/36		Jungheinrich Li-ion
	6.4	Batteriespannung/Nennkapazität	V / Ah	24 / 260
	6.5	Batteriegewicht	kg	100
	6.6.1	Energieverbrauch nach EN-Zyklus (Efficiency PLUS)	kWh/h	0.6 0.65
	6.6.2	CO2 Äquivalent nach EN16796 (Efficiency PLUS)	kg/h	0.3 0.4
	6.7	Umschlagleistung (Efficiency PLUS)	t/h	100 106
	6.8	Umschlageffizienz nach VDI 2198 (Efficiency PLUS)	t/kWh	106 105
	6.8.1	Energieverbrauch bei max. Umschlagleistung (Efficiency PLUS)	kWh/h	0.94 1.01
Sonstiges	10.7	Schalldruckpegel nach 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 $h_3 > 2,300$ mm. (VDI no. 4.7 height of overhead guard: $h_6 = 2,300$ mm: VDI no. 4.8 stand height with unladen stand-on platform: $h_7 = 2,037 / 2,025$ mm (stand-on platform standard / stand-on platform suspension adjustable)).

- VDI no. 1.5: in double-decker mode: mast lift max. 1 t / overall load max. 2 t.
- 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: $l_1 - 40$ mm. with compact stand-on platform: $l_1 - 103$ mm. With DZ mast: $l_1 + 18$ mm.
- VDI no. 4.20: with compact stand-on platform: $l_2 - 103$ mm. With DZ mast: $l_2 + 18$ 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: $W_a + 46$ mm. with fork length 1,150 mm: $W_a - 40$ mm. With compact stand-on platform: $W_a - 103$ 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.



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