RSC101

ELECTRIC STACKER

1000 kg | 3580 mm | 48 V Lead Acid

The RSC101 is engineered for versatile material handling in warehouses, loading docks, and retail backrooms. Its counterbalance design eliminates straddle legs, ensuring full compatibility with all pallet types, including closed-bottom pallets. With high ground clearance, it easily navigates ramps, dock levelers, and uneven surfaces. The compact frame and foldable pedal allow operators to seamlessly switch between efficient ride-on transport and precise pedestrian maneuvering in narrow aisles and tight spaces.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RSC101
Battery voltage		V	48
Rated capacity	Q	kg	1000
Load centre distance	c	mm	500
Service weight		kg	1620
Height, mast lowered	h_1	mm	1835
Lift	h_3	mm	2480
Height, mast extended	h_4	mm	3050
Overall length	l_1	mm	2552/2955
Overall width	b_1/b_2	mm	1054
Length to face of forks	l_2	mm	1482/1885
Fork dimensions	s/e/l	mm	35/100/1070
Turning radius	Wa	mm	1338/1732
Drive			Electric
Operator type			standing/pedestrian

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Features

Sensitive mast tilting

Compact size for great flexibility

Foldable pedal

High ground clearance

Flexible pallet compatibility

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSC101
1.3	Drive			Electric
1.4	Operator type			standing/pedestrian
1.5	Rated capacity	Q	kg	1000
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	154
1.9	Wheelbase	y	mm	1020
2.1	Service weight		kg	1620
2.2	Axle loading, laden front/rear		kg	2380/240
2.3	Axle loading, unladen front/rear		kg	670/950
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ298×102
3.3	Tyre size, rear		mm	Φ300x90
3.5	Wheels, number front/rear (x=drive wheels)			1x，2/2
3.6	Tread width, front	b_{10}	mm	948

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	SPECIFICATION	REF	UNIT	VALUE
3.7	Tread width, rear	b_{11}	mm	690
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	3/6
4.2	Height, mast lowered	h_1	mm	1835
4.3	Free lift	h_2	mm	-
4.4	Lift	h_3	mm	2480
4.5	Height, mast extended	h_4	mm	3050
4.7	Height of overhead guard (cabin)	h6	mm	-
4.8	Seat height relating to SIP/stand height	h7	mm	190
4.12	Coupling height	h10	mm	-
4.19	Overall length	l_1	mm	2552/2955
4.20	Length to face of forks	l_2	mm	1482/1885
4.21	Overall width	b_1/b_2	mm	1054
4.22	Fork dimensions	s/e/l	mm	35/100/1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	850
4.25	Distance between fork-arms	b_5	mm	200-810
4.31	Ground clearance, laden, below mast		mm	80
4.32	Ground clearance, centre of wheelbase	m_2	mm	100
4.35	Turning radius	Wa	mm	1338/1732
5.1	Travel speed, laden/unladen		km/h	4.5/5.0
5.2	Lift speed, laden/unladen		m/s	0.12/0.16
5.3	Lowering speed, laden/unladen		m/s	0.135/0.13
5.5	Drawbar pull, laden/unladen			-
5.6	Max. drawbar pull, laden/unladen		N	-
5.8	Max. gradeability, laden/unladen		%	5/8
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.8
6.2	Lift motor rating at S3 15%		kW	2.2
6.4.1	Battery voltage		V	48
6.4.2	Battery nominal capacity K5		Ah	85
6.4.3	Battery type			Lead Acid
6.5	Battery weight		kg	96
6.7	Turnover output according to VDI 2198			-

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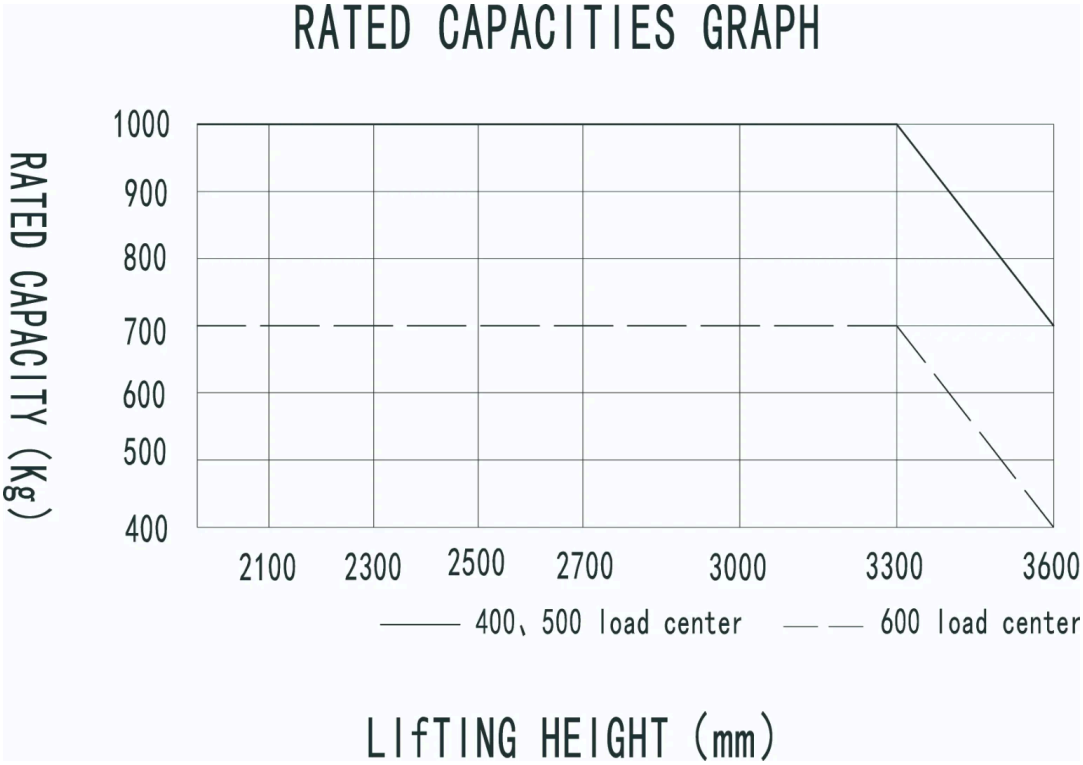
	SPECIFICATION	REF	UNIT	VALUE
6.8	Turnover efficiency according to VDI 2198			-
8.1	Type of drive unit			DC
10.2	Oil volume for attachments		ℓ/min	-
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	10

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.

VDI Drawing



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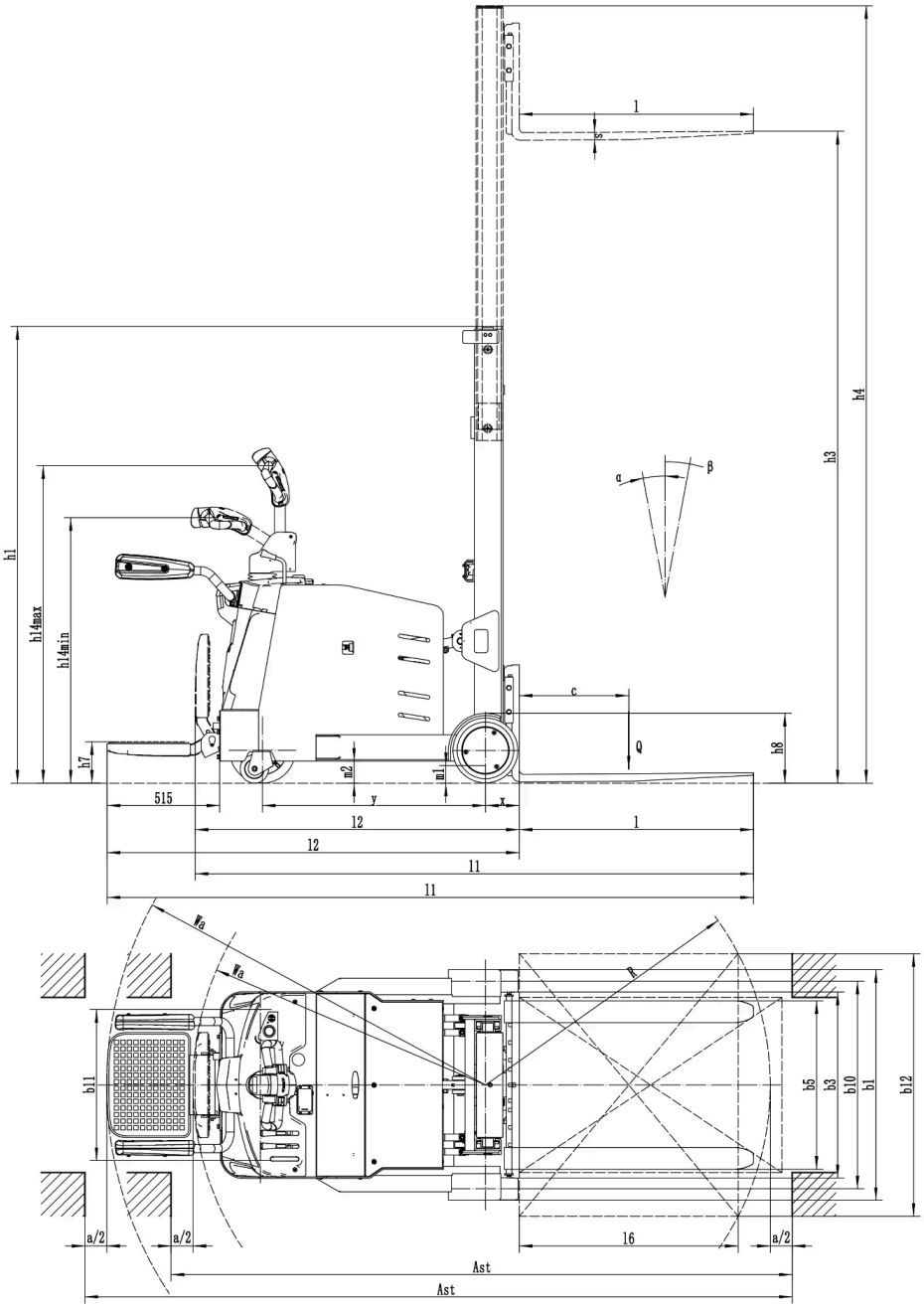

Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELVING (H4, MM)
2-Standard Mast	2480	1835	3050
2-Standard Mast	2680	1935	3250

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MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	HEIGHT, MAST EXTENDED, NO SHELVING (H4, MM)
2-Standard Mast	2980	2085	3550
2-Standard Mast	3280	2235	3850
2-Standard Mast	3580	2385	4150

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*35*1070 | 100*40*1150 | 100*40*1220
Load wheel type	PU
Drive wheel material	PU
Front wheel type	Single
Battery capacity	48V/85Ah | 48V/105Ah | 48V/125Ah
Charger	48V-10A external charger | 48V-15A external charger
Battery indicator	With hourmeter
Castor wheels	Yes and not customised
Hydraulic system operating mode	Mechanical

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