

RSC122

ELECTRIC COUNTERBALANCE STACKER 1.2T

1200 kg | 3300 mm | 24 V Lead Acid/Li-ion



The RSC Series is designed for handling a wide variety of pallets, boxes, and cages in warehouses, factories, and distribution centers. Thanks to its counterbalance design, it can lift closed pallets and irregular loads that standard straddle stackers cannot handle. With foldable platform and arm guards, it is also suitable for longer travel distances, while the 116 mm ground clearance ensures smooth operation even on uneven surfaces.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead Acid/Li-ion
Battery nominal capacity		Ah	210
Battery voltage		V	24
Load capacity	Q	kg	1200
Load centre distance	c	mm	500
Service weight		kg	1890
Retracted mast height	h_1	mm	2061
Lift height	h_3	mm	3000
Height, mast extended	h_4	mm	3908
Overall length		mm	2668
Overall width	b_1/b_2	mm	900
Length to face of forks	l2	mm	1598
Fork dimensions	s/e/l	mm	35×100×1070
Turning radius		Wa	1510
Manufacturer			EP
Model designation			RSC122

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Features

Universal counterbalance design

The RSC Series is capable of handling all pallet types, including closed pallets and special load carriers, offering greater flexibility than standard stackers.





Proportional lifting system

Standard across the range, the proportional lifting system allows gentle, precise pallet placement in multi-level racking, reducing damage to loads and improving efficiency.

High ground clearance and maneuverability

With 116 mm ground clearance and compact turning radii (1250 mm for RSC082, 1510 mm for RSC122, and 1707 mm for RSC152), the RSC Series ensures smooth operation on uneven surfaces while remaining agile in confined aisles.







Operator comfort and safety

Features such as foldable platform, arm guards, electronic steering, and optional add-ons (warning lamps, buzzer, side supports) make the RSC Series safe, user-friendly, and adaptable for longer working hours.

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VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSC122
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1200
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork		mm	118
1.9	Wheelbase		mm	1074
2.1	Service weight		kg	1890
2.2	Axle loading, laden front/rear		kg	420/2670
2.3	Axle loading, unladen front/rear		kg	1110/780
3.1	Tyre type			Polyurethane
3.2	Tyre size, front		mm	230×90
3.3	Tyre size, rear		mm	180×65
3.5	Wheels, number front/rear (x=drive wheels)			1x,/2
3.6.1	Tread width, front	b_{10}	mm	\
3.7.1	Tread width, rear	b_{11}	mm	778
4.0	Max lift height	H	mm	3300
4.1	Tilt of mast/fork carriage forward/backward		°	3/3
4.12	Tow coupling height		mm	\
4.19	Overall length		mm	2668
4.2	Retracted mast height	h_1	mm	2061
4.20	Length to face of forks	l2	mm	1598
4.21	Overall width	b_1/b_2	mm	900
4.22	Fork dimensions	s/e/l	mm	35×100×1070
4.23	A,B Fork carriage class/type A, B			2A
4.24	Fork carriage width		mm	620
4.3	Free lift		mm	\
4.31	Ground clearance, laden, below mast		mm	60
4.32	Ground clearance, centre of wheelbase		mm	116
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2979
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	3088

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	SPECIFICATION	REF	UNIT	VALUE
4.35	Turning radius		Wa	1510
4.4	Lift height	h_3	mm	3000
4.5	Height, mast extended	h_4	mm	3908
4.7	Height of overhead guard (cabin)		mm	\
4.8	Seat height/standing height		mm	148
5.1	Travel speed, laden/unladen		km/h	5.5/6
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
5.2	Lifting speed, laden/unladen		m/s	0.13/0.2
5.3	Lowering speed, laden/unladen		m/s	0.16/0.15
5.8	Max. gradeability, laden/unladen		%	3/3
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery nominal capacity		Ah	210
6.4	Battery voltage		V	24
6.4.1	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	190
6.6	Energy consumption according to DIN EN 16796		kWh/h	1.057 [1)]
6.7	Turnover output according to VDI 2198			28.8
6.8	Turnover efficiency according to VDI 2198			30.06
8.1	Type of drive control			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the drivers ear		dB(A)	74
15.1	Charger output current		A	30

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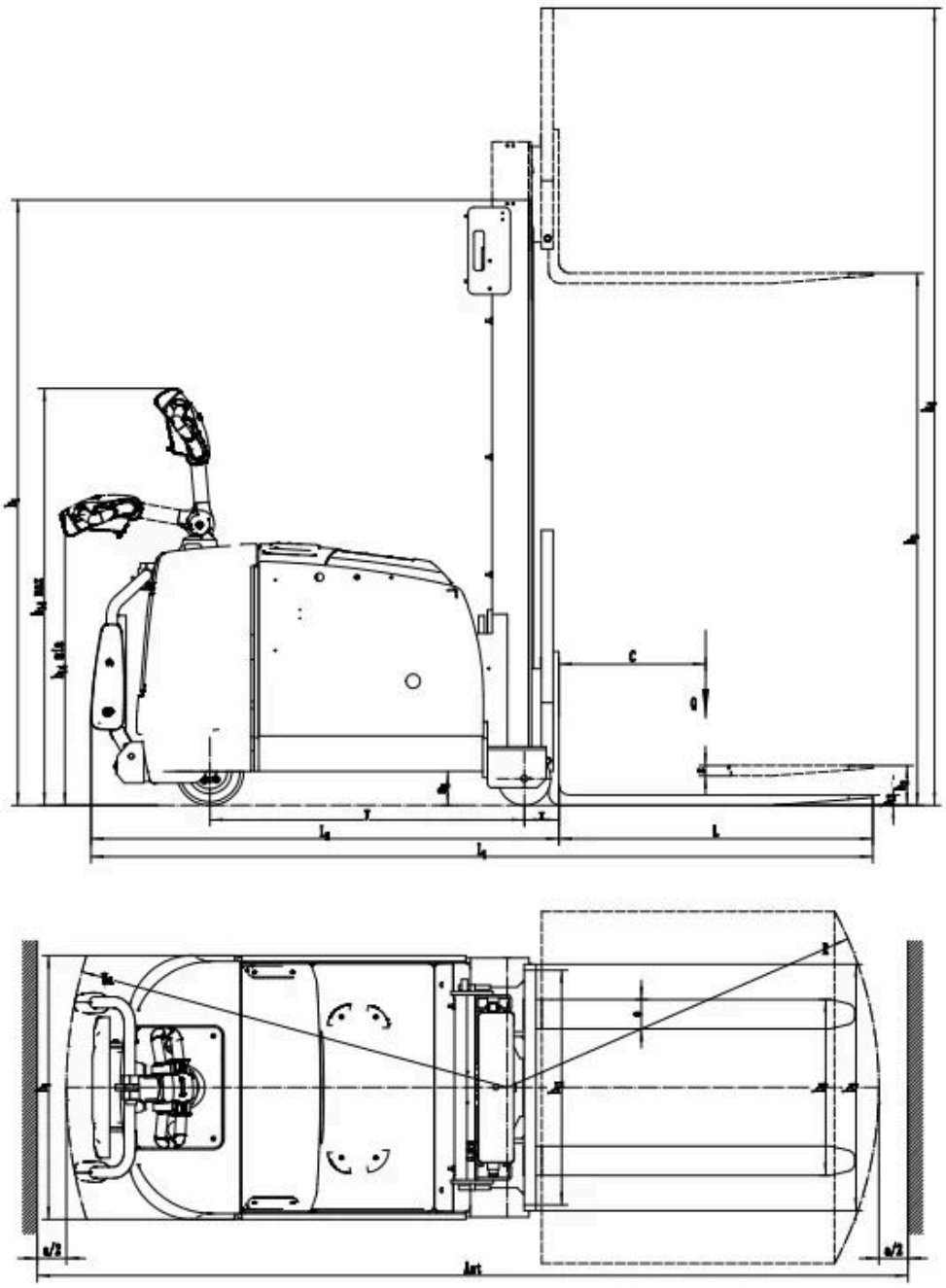
VDI Drawing



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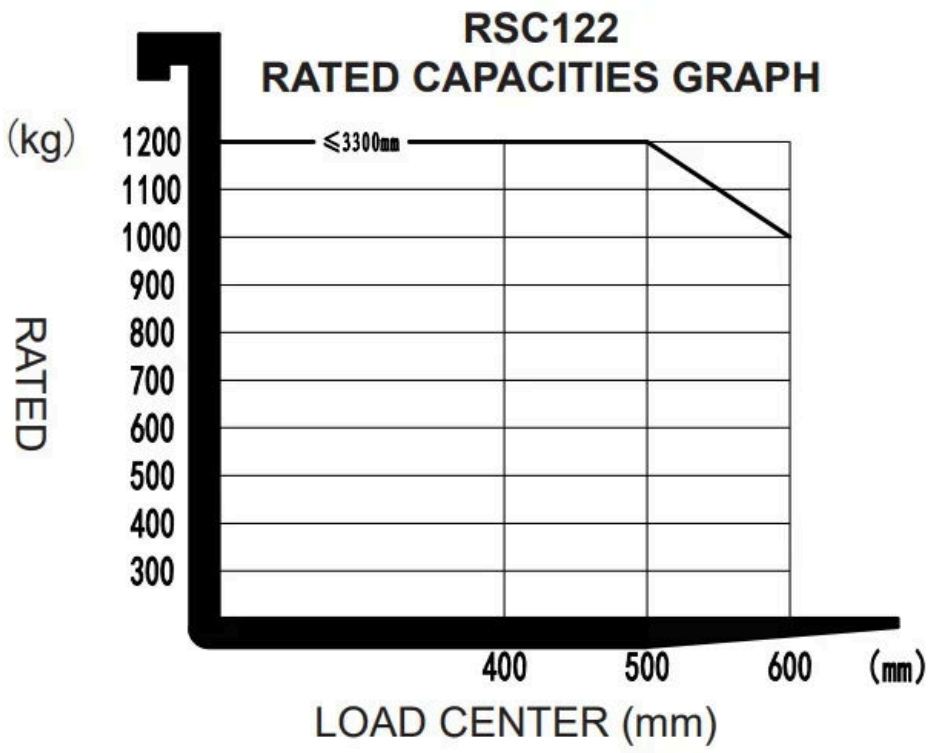

Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)
2-Standard Mast	2000	1561	2546	2908
2-Standard Mast	2500	1811	3046	3408
2-Standard Mast	2700	1911	3246	3608
2-Standard Mast2-Standard Mast	3000	2061	3546	3908
2-Standard Mast	3300	2211	3849	4211

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	900*600 2A 100*35*1070 | 900*600 2A 100*35*920 | 900*600 2A 100*40*1150 | 900*600 2A 100*40*1220 | 900*600 2A 100*40*1370 | 900*600 2A 100*40*1520
Fork lowered height	+0
Fork carriage width option	620
Backrest height	762

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ITEM	OPTIONS (optional items marked in yellow)
Attachments	No
Load wheel material	PU
Drive wheel material	PU
Battery capacity	210Ah | 205Ah (Li-ion)
Charger	24V-30A External (Lead Acid) | 24V-100A External (Li-ion)
Battery display indicator (BDI)	With hourmeter (Bluetooth)
Area warning lamp	No | Yes and not customized
Rearview mirror	No
Buzzer	No | Yes and not customized
Telematics	No | Yes and not customized
Water auto-filling system	No | Yes and not customized
Warning lamp	No | Yes and not customized
Blue lamp	No | Yes and not customized

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