

RSC152

ELECTRIC COUNTERBALANCE STACKER 1.5T

 1500 kg  3000 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
Manufacturer			EP
Model designation			RSC152
Battery voltage		V	24
Rated capacity	Q	kg	1500
Load centre distance	c	mm	500
Service weight		kg	1970
Height, mast lowered	h ₁	mm	2018
Lift	h ₃	mm	3000
Height, mast extended	h ₄	mm	3915
Overall length	l ₁	mm	2968
Overall width	b ₁ /b ₂	mm	900
Length to face of forks	l ₂	mm	1898
Fork dimensions	s/e/l	mm	40×100×1070
Turning radius	Wa	mm	1707
Drive			Electric
Operator type			Pedestrian

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.

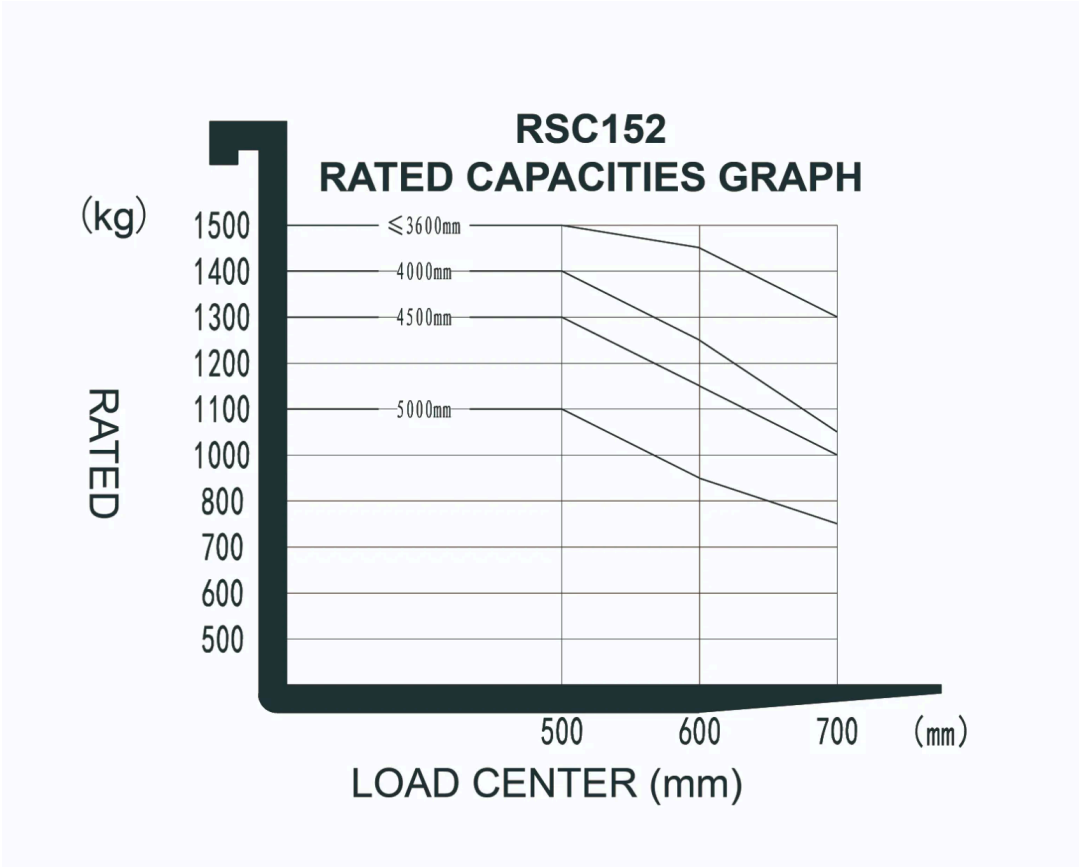
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSC152

	SPECIFICATION	REF	UNIT	VALUE
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1500
1.6	Load centre distance	c	mm	500
1.8	Load distance, centre of drive axle to fork	x	mm	215
1.9	Wheelbase	y	mm	1125
2.1	Service weight		kg	1970
2.2	Axle loading, laden front/rear		kg	415/3055
2.3	Axle loading, unladen front/rear		kg	1185/785
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	230×90
3.3	Tyre size, rear		mm	254×102
3.5	Wheels, number front/rear (x=drive wheels)			1x,/2
3.7	Tread width, rear	b ₁₁	mm	787
4.1	Tilt of mast/fork carriage forward/backward	α/β	°	1.5/7
4.2	Height, mast lowered	h ₁	mm	2018
4.3	Free lift	h ₂	mm	150
4.4	Lift	h ₃	mm	3000
4.5	Height, mast extended	h ₄	mm	3915
4.8	Seat height relating to SIP/stand height	h ₇	mm	148
4.15	Height, lowered	h ₁₃	mm	60
4.19	Overall length	l ₁	mm	2968
4.20	Length to face of forks	l ₂	mm	1898
4.21	Overall width	b ₁ /b ₂	mm	900
4.22	Fork dimensions	s/e/l	mm	40×100×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width		mm	800
4.25	Distance between fork-arms	b ₅	mm	800
4.31	Ground clearance, laden, below mast		mm	80
4.32	Ground clearance, centre of wheelbase	m ₂	mm	116
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3270
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3380
4.35	Turning radius	wa	mm	1707
5.1	Travel speed, laden/unladen		km/h	5.5/6

	SPECIFICATION	REF	UNIT	VALUE
5.2	Lift 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		%	0
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	3.0
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	210
6.4.3	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	190
6.6	Energy consumption according to DIN EN 16796		kWh/h	1.417 ¹⁾
6.7	Turnover output according to VDI 2198			55.5
6.8	Turnover efficiency according to VDI 2198			45.87
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	30

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.



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)	HEIGHT, FREE LIFT, WITH SHELVING (H2, MM)
2-Standard Mast	3600	2303	4505	4505	4505
2-Standard Mast	3900	2453	4805	4805	4805
3-Free Mast	4000	1822	4915	4915	4915
3-Free Mast	4500	2022	5415	5415	5415
3-Free Mast	4800	2122	5715	5715	5715
3-Free Mast	5000	2187	5915	5915	5915

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	60
Fork carriage width option	780 915 1067 1220
Backrest height	915 (36in) 1220 (48in)
Load wheel material	PU
Drive wheel material	PU
Battery capacity	210Ah 205Ah (Li-ion) 280Ah 345Ah
Charger	24V-30A External (Lead Acid) 24V-100A External (Li-ion) 24V-50A External (Lead Acid) 24v-50A External (Li-ion)
Battery indicator	With hourmeter (Bluetooth)
Attachments	No External shifter Fork positioner
Water auto-filling system	No Yes and not customized
Area warning lamp	No Yes and not customized
Rearview mirror	No
Buzzer	No Yes and not customized
Telematics	No Yes and not customized
Proportional lift system	Yes and not customized
Forks tilt forward and backward	Yes and not customized
Foldable pedals	Yes and not customized No

ITEM	OPTIONS (optional items marked in yellow)
Pin code	No Yes and not customized
Side supports	No Yes and not customized
Swipe card device	No Yes and not customized
Foldable fork	No