

RSC202

ELECTRIC COUNTERBALANCE STACKER 2.0T

2000 kg | 3000 mm | 24 V Lead Acid/Li-ion



The RSC202 is ideal for warehouses, manufacturing sites, and distribution centres requiring flexible handling of closed pallets, cages, and oversized loads. Its counterbalance design allows it to handle non-standard pallets that straddle stackers cannot manage. With electronic steering, foldable platform and arm guards, and optional Li-ion power, the RSC202 adapts easily to both confined warehouse aisles and longer travel distances.

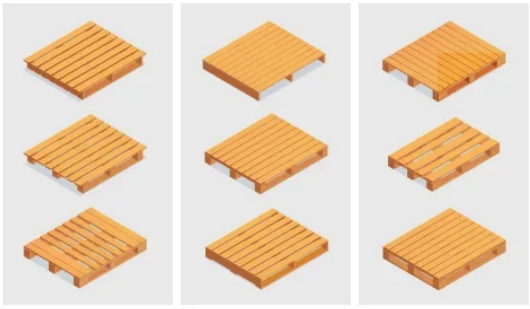
SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RSC202
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	500
Service weight		kg	2480
Height, mast lowered	h_1	mm	2018
Lift	h_3	mm	3000
Height, mast extended	h_4	mm	3915
Overall length	l_1	mm	3178
Overall width	b_1/b_2	mm	900
Length to face of forks	l_2	mm	2018
Fork dimensions	s/e/l	mm	40×122×1070
Turning radius	Wa	mm	1915
Drive			Electric
Operator type			Pedestrian

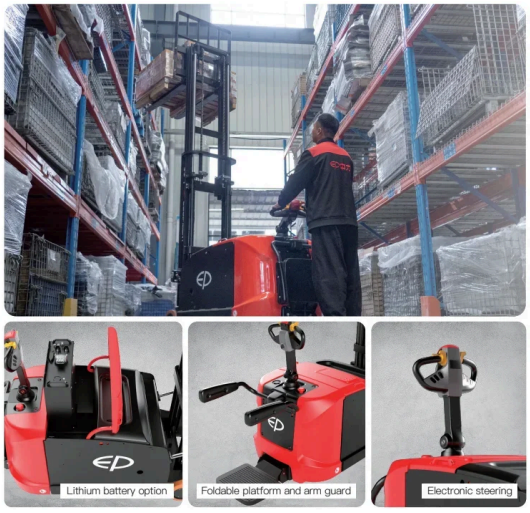
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Features

Universal counterbalance design

Handles closed pallets, oversized loads, and irregular carriers that cannot be managed by straddle stackers, offering unmatched operational flexibility.





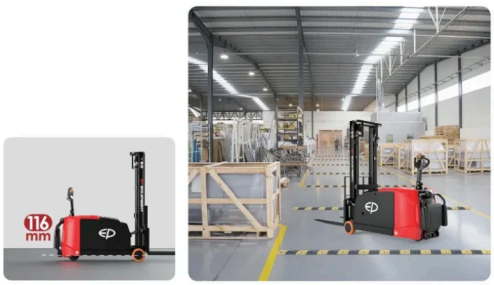
Proportional lift & mast tilt

The proportional lifting system ensures precise and gentle load placement, while mast tilt adds control and convenience for stacking in multi-level racking.

Compact and stable operation

With a turning radius of just 1915 mm and a ground clearance of 116 mm, the RSC202 combines agility in narrow aisles with smooth performance on uneven floors.





Flexible energy and options

Standard with a 24V/280Ah battery, the RSC202 can be upgraded to higher capacity or Li-ion packs. Options include telematics, warning lights, PIN-code access, and foldable operator platform for greater adaptability.

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VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSC202
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	2000
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	1487
2.1	Service weight		kg	2480
2.2	Axle loading, laden front/rear		kg	460/3520
2.3	Axle loading, unladen front/rear		kg	1460/1020
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	260×105
3.3	Tyre size, rear		mm	254×102
3.5	Wheels, number front/rear (x=drive wheels)			1x,/2
3.6	Tread width, front	b_{10}	mm	-
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	h7	mm	148
4.15	Height, lowered	h_{13}	mm	60
4.19	Overall length	l_1	mm	3178
4.20	Length to face of forks	l_2	mm	2018
4.21	Overall width	b_1/b_2	mm	900
4.22	Fork dimensions	s/e/l	mm	40×122×1070
4.23	Fork carriage ISO 2328, class/type A, B			2A
4.24	Fork carriage width	b_3	mm	800
4.25	Distance between fork-arms	b_5	mm	800
4.31	Ground clearance, laden, below mast	m_1	mm	80

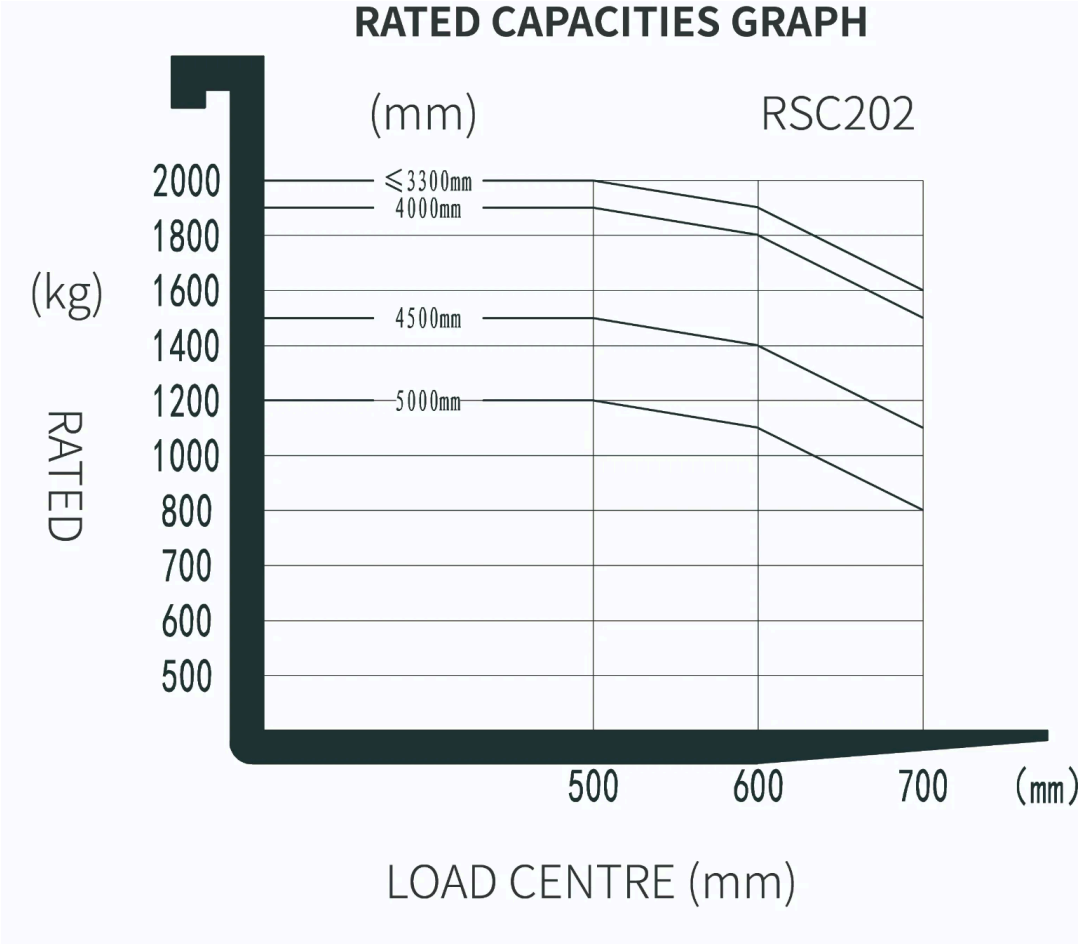
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	SPECIFICATION	REF	UNIT	VALUE
4.32	Ground clearance, centre of wheelbase	m_2	mm	116
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3478
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	3588
4.35	Turning radius	Wa	mm	1915
5.1	Travel speed, laden/unladen		km/h	5.5/6
5.2	Lift speed, laden/unladen		m/s	0.10/0.16
5.3	Lowering speed, laden/unladen		m/s	0.19/0.16
5.8	Max. gradeability, laden/unladen		%	5/6
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	3.3
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	1.904
6.7	Turnover output according to VDI 2198		t/h	34
6.8	Turnover efficiency according to VDI 2198		t/kWh	41.21
8.1	Type of drive unit			AC
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	30

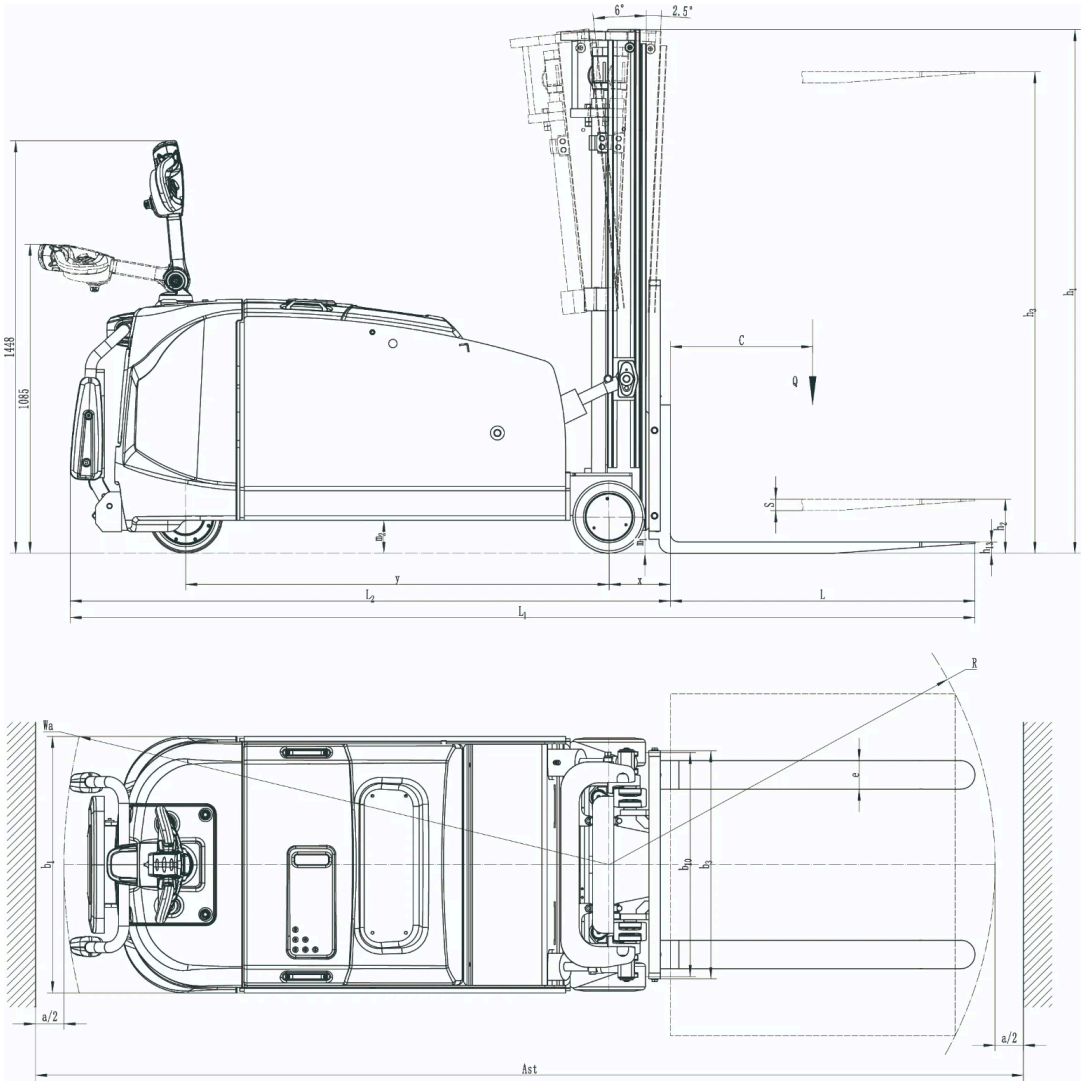
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VDI Drawing



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Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	HEIGHT, FREE LIFT, WITH SHELVING (H2, MM)
2-Standard Mast	2600	1838	3555	3555
2-Standard Mast	3000	2018	3915	3915
2-Standard Mast	3200	2118	4115	4115
2-Standard Mast	3600	2303	4505	4505
2-Standard Mast	3900	2453	4805	4805
3-Free Mast	4000	1822	4915	4915
3-Free Mast	4500	2022	5415	5415
3-Free Mast	4800	2122	5715	5715
3-Free Mast	5000	2187	5915	5915

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Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1250*500 2A 122*40*1070 | 1250*500 2A 122*40*1150 | 1250*500 2A 122*40*1220 | 1250*500 2A 122*40*1370 | 1250*500 2A 122*40*1500
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	280Ah | 345Ah | 205Ah (Li-ion)
Charger	24V-30A External (Lead Acid) | 24V-50A External (Lead Acid) | 24V-50A External (Li-ion) | 24V-100A External (Li-ion)
Battery indicator	With hour meter (Bluetooth)
Attachments	No | External shifter | Fork positioner
Water auto-filling system	No | Yes and not customised
Area warning lamp	No | Yes and not customised
Rear-view mirror	No
Buzzer	No | Yes and not customised
Telematics	No | Yes and not customised
Proportional lift system	Yes and not customised
Forks tilt forward and backward	Yes and not customised
Pin code	No | Yes and not customised
Swipe card device	No | Yes and not customised
Foldable pedals	No | Yes and not customised
Side supports	No | Yes and not customised

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