RSB202

LI-ION STACKER WITH FOLDABLE PLATFORM 2.0T

2000 kg | 3000 mm | 24 V Li-Ion

The RSB202 is suited for medium-size warehouses and distribution centers requiring efficient goods transport and stacking in narrow aisles. With a travel speed of up to 6 km/h and turning radius of 1620 mm, it offers agility and productivity in daily tasks. The foldable, shock-absorbing platform and protective arm guards ensure comfort and safety for operators during longer shifts, while optional upgrades like a 205Ah Li-ion battery or external charger extend runtime and flexibility.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RSB202
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	940
Height, mast lowered	h_1	mm	2150
Lift	h_3	mm	2915
Height, mast extended	h_4	mm	3515
Overall length	l_1	mm	2000
Overall width	b_1/b_2	mm	850
Length to face of forks	l_2	mm	850
Fork dimensions	s/e/l	mm	65x185x1150
Turning radius	Wa	mm	1620
Drive			Electric
Operator type			Pedestrian

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Features

Stable and strong mast design

The H-beam mast structure increases rigidity and ensures safe and stable performance even when lifting to the maximum height of 3.9 meters.

Smooth steering and precise lifting

Electronic power steering reduces operator effort and enhances maneuverability, while proportional lifting allows for gentle and accurate pallet placement, protecting fragile goods.

Reliable Li-ion technology

A 24V/100Ah Li-ion battery with integrated charger is included as standard, offering rapid charging, long lifespan, and zero maintenance. Optional 205Ah versions expand runtime for intensive applications.

Operator comfort and safety

The foldable, shock-absorbing platform with arm guards ensures operator stability during longer shifts, combining comfort with safety in medium-duty warehouse tasks.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSB202
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	2000
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	690
1.9	Wheelbase	y	mm	1250
2.1	Service weight		kg	940
2.2	Axle loading, laden front/rear		kg	1000/1940
2.3	Axle loading, unladen front/rear		kg	660/280
3.1	Tyres			PU
3.2	Tyre size, front		mm	230x75

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	SPECIFICATION	REF	UNIT	VALUE
3.3	Tyre size, rear		mm	85x70
3.4	Additional wheels (castor wheels)		mm	130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x,1/4
3.6	Tread width, front	b_{10}	mm	587
3.7	Tread width, rear	b_{11}	mm	507
4.2	Height, mast lowered	h_1	mm	2150
4.4	Lift	h_3	mm	2915
4.5	Height, mast extended	h_4	mm	3515
4.9	Height drawbar in driving position min./max.	h_{14}	mm	1042/1313
4.15	Height, lowered	h_{13}	mm	90
4.19	Overall length	l_1	mm	2000
4.20	Length to face of forks	l_2	mm	850
4.21	Overall width	b_1/b_2	mm	850
4.22	Fork dimensions	s/e/l	mm	65x185x1150
4.24	Fork carriage width		mm	750
4.25	Distance between fork-arms	b_5	mm	685
4.31	Ground clearance, laden, below mast		mm	25
4.32	Ground clearance, centre of wheelbase	m_2	mm	25
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2530
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2430
4.35	Turning radius	Wa	mm	1620
5.1	Travel speed, laden/unladen		km/h	5.5/6
5.2	Lift speed, laden/unladen		m/s	0.15/0.2
5.3	Lowering speed, laden/unladen		m/s	0.15/0.17
5.8	Max. gradeability, laden/unladen		%	8/16
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	1.6
6.2	Lift motor rating at S3 15%		kW	3
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	100
6.4.3	Battery type			Li-Ion
6.5	Battery weight		kg	40
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.914
6.7	Turnover output according to VDI 2198			48

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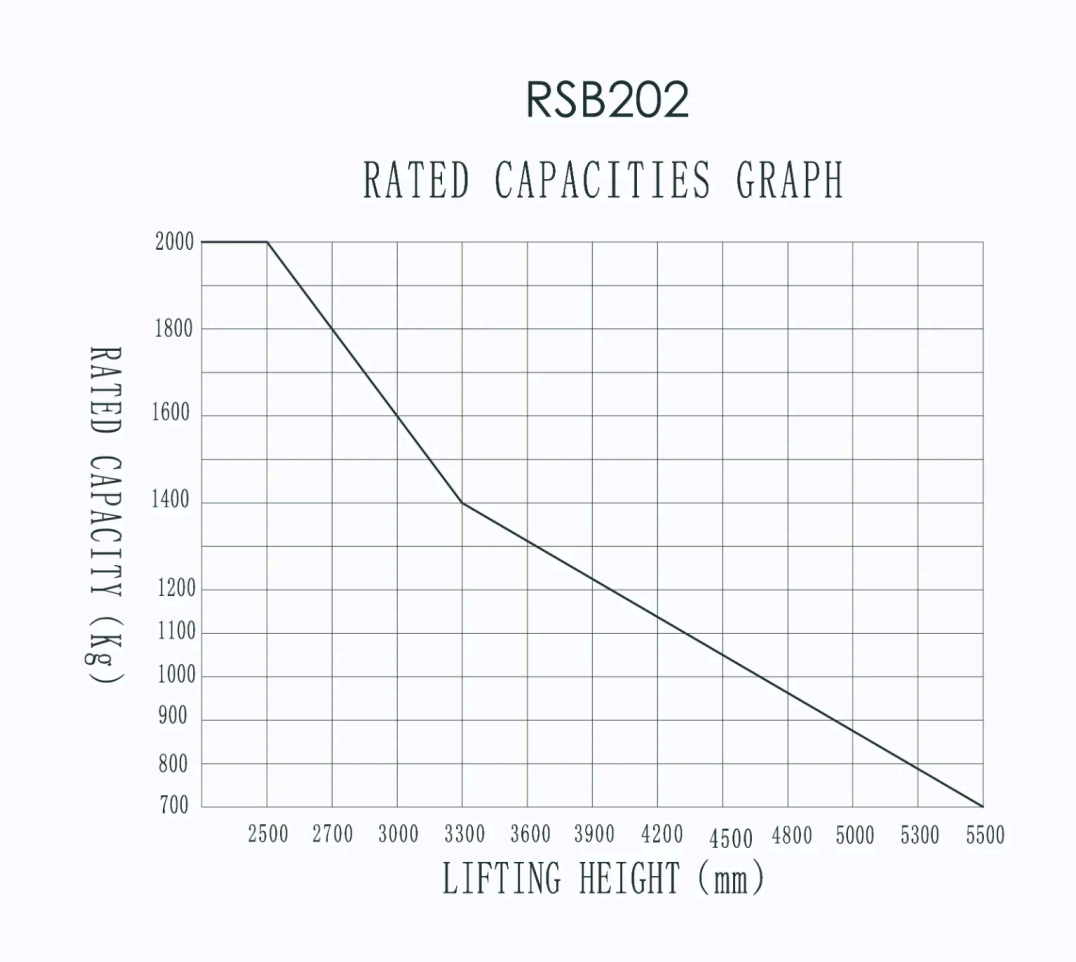
	SPECIFICATION	REF	UNIT	VALUE
6.8	Turnover efficiency according to VDI 2198			59.2
8.1	Type of drive unit			AC
10.5	Steering design			Electronic
10.7	Sound pressure level at the driver's seat		dB(A)	<74
15.1	Charger output current		A	30

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.

VDI Drawing



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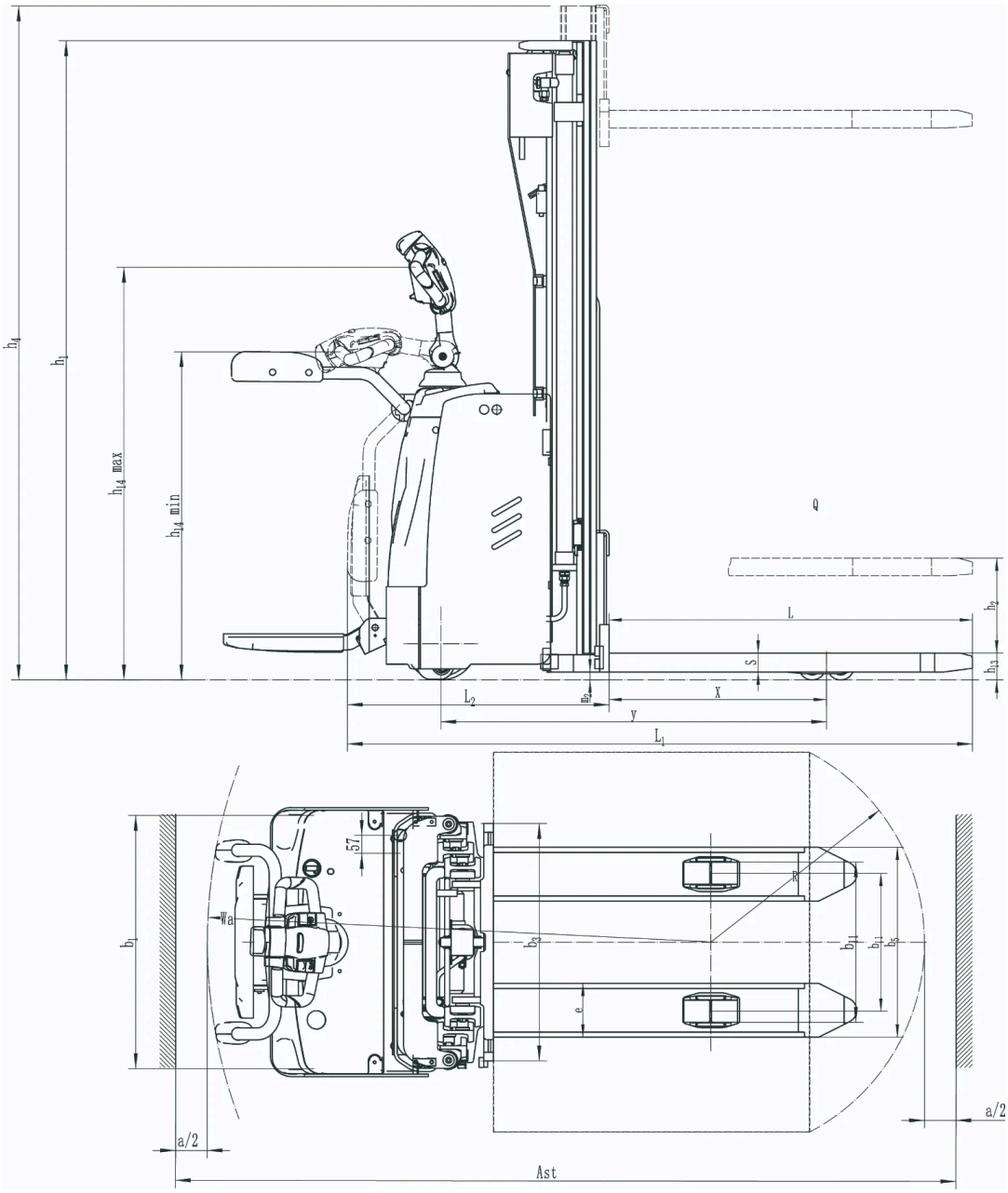

Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)
2-Stage Single Cylinder Mast	2500	1900	3015
2-Stage Single Cylinder Mast	2700	2000	3215
2-Stage Single Cylinder Mast	3000	2150	3515
2-Stage Single Cylinder Mast	3300	2300	3815
2-Stage Single Cylinder Mast	3600	2450	4115
2-Stage Single Cylinder Mast	3900	2600	4415

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Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150*685
Fork lowered height	90
Fork carriage width option	750
Backrest height	517
Load wheel type	Single
Load wheel material	PU
Drive wheel material	PU
Battery capacity	24V/100Ah Li-ion | 24V/205Ah Li-ion
Charger	24V-30A Integrated charger | 24V -100A External charger
Battery indicator	With hourmeter (Bluetooth)
Castor wheels	Yes and not customized
Telematics	No | Yes and not customized
Battery side pull function	No
Proportional lift system	Yes and not customized
Turn speed control	Yes and not customized
Heating system during lithium battery charging	No | Yes and not customized
Operator identification device	No | Card reader
Lifting electronic limit	Yes and not customized
Lifting and lowering function	Proportional lifting
Load backrest height	517

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