

RSi201

Heavy-duty Double-deck Stacker 2000kg

EP
Let's grow together



- Double deck capability enables simultaneous transport of two pallets, boosting productivity
- 3kW lift motor and proportional lifting offers fast and precise goods handling
- Initial lift provides extra ground clearance to conquer uneven surface with ease
- Navigate narrow spaces smoothly thanks to compact truck size and foldable platform
- Effortless operation with the suspended platform and electric power steering
- 24V/205Ah Li-ion battery improves overall productivity with opportunity charging
- Clear visibility is ensured by the wide mast and transparent mast shield



Manufacturer			EP
Model designation			RSi201
Drive			Electric
Load center distance	c	mm	600
Service weight			860
Lift height	h ₃	mm	1600
Height, mast extended	h ₄	mm	2112
Initial lift	h ₅	mm	120
Length to face of forks	l ₂	mm	920
Overall width	b ₁ /b ₂	mm	734
Fork dimensions	s×e×l	mm	55×185×1150
Turning radius	W _a	mm	1920
Travel speed, laden/unladen			8/8 km/h
Lifting speed, laden/unladen			0.18/0.23 m/s
Lowering speed, laden/unladen			0.36/0.18 m/s
Max. gradeability, laden/unladen			8/16 %
Battery voltage/nominal capacity			24/205 V/Ah

FEATURE

Double Stacking for Double Productivity

The RSi201's double deck function enables simultaneous transport of two pallets, effectively doubling productivity in a single trip. This versatile stacking capability is ideal for intensive order picking and goods transport operations where maximum throughput is essential.



Powerful and Precise Lifting Performance

Equipped with a robust 3kW lift motor, the RSi201 achieves exceptional lifting speeds of 0.18m/s and lowering speeds of 0.36m/s when laden. Combined with the proportional lift system, it delivers not only rapid but also smooth and precise load handling, enhancing operational efficiency and throughput in demanding applications.



■ Maneuverability in Any Environment

With initial lift, the RSi201 ensures smooth operation over uneven surfaces and ramps, making the truck adaptable to diverse working environments. Plus, RSi201's compact overall design offers exceptional maneuverability in narrow spaces. Operator can switch to pedestrian mode for a more precise control in tight spaces, or rides on the folding platform for efficient long-distance travel at 8 km/h. The electric power steering and the automatic speed reduction on turns grant precision and safety.



■ Superior Operator Comfort

The suspended platform combines firm grip with optimal operator comfort during extended routes. With electric power steering, operators maintain effortless control even when handling heavy loads, reducing fatigue during long shifts.



■ Advanced Lithium-ion Power

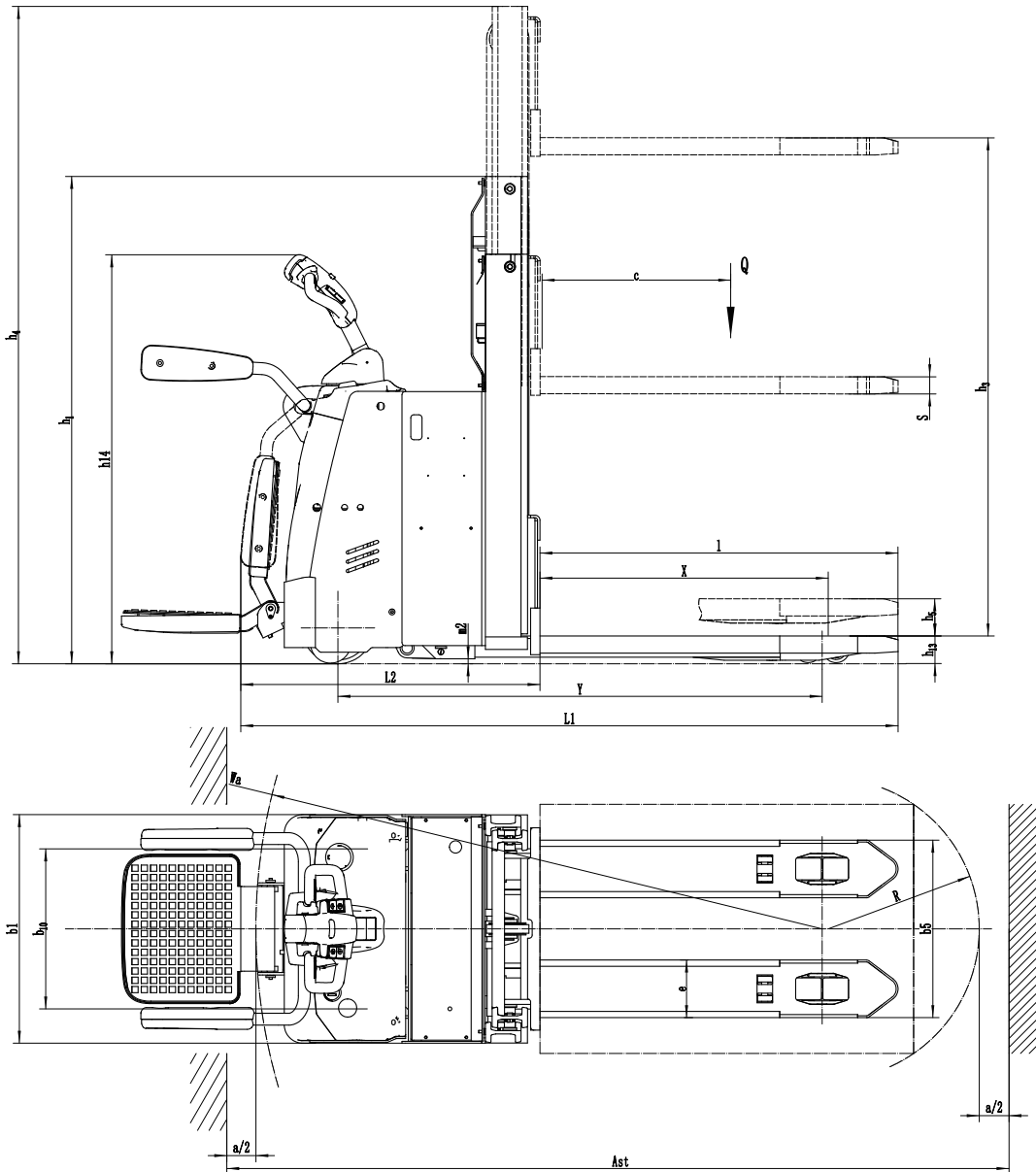
Equipped with a high-capacity 24V/205Ah Li-ion battery and integrated 24V/30A charger, the RSi201 ensures maximum operational uptime through flexible opportunity charging. For enhanced productivity, an optional 24V/100A external charger enables rapid two-hour charging cycles.



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Distinguishing mark	1.1	Manufacturer			EP	
	1.2	Model designation			RSi201	
	1.3	Drive			Electric	
	1.4	Operator type			Pedestrian/Standing	
	1.5	Load capacity	Q	kg	2000	
	1.5.1	Load capacity, load with mast lift	Q ₁	kg	900	
	1.5.2	Load capacity, load with support arm lift	Q ₂	kg	2000	
	1.6	Load center distance	c	mm	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	926	
Service weight	1.9	Wheelbase	y	mm	1550	
	2.1	Service weight		kg	860	
	2.2	Axle loading, laden front/rear		kg	960/1900	
Tyres/chassis	2.3	Axle loading, unladen front/rear		kg	650/210	
	3.1	Tyre type			Polyurethane	
	3.2.1	Tyre size, front		mm	230×75	
	3.3.1	Tyre size, rear		mm	85×70	
	3.4	Additional wheels (castor wheels)		mm	130×55	
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1x,2/4	
	3.6.1	Tread width, front	b ₁₀	mm	514	
	3.7.1	Tread width, rear	b ₁₁	mm	385	
	Dimensions	4.0	Max. Lift Height	H	mm	1692
		4.2	Retracted mast height	h ₁	mm	1316
4.3		Free lift	h ₂	mm	—	
4.4		Lift height	h ₃	mm	1600	
4.5		Height, mast extended	h ₄	mm	2112	
4.6		Initial lift	h ₅	mm	120	
4.9		Height of tiller handle in drive position min./max.	h ₁₄	mm	1190/1290	
4.10		Height of wheel arms	h ₈	mm	—	
4.15		Lowered height	h ₁₃	mm	92	
4.19		Overall length	l ₁	mm	2120	
4.20		Length to face of forks	l ₂	mm	920	
4.21		Overall width	b ₁ /b ₂	mm	734	
4.22		Fork dimensions	s×e×l	mm	55×185×1150	
4.24		Fork carriage width	b ₃	mm	—	
4.25		Fork spread	b ₅	mm	570	
4.26		Distance between wheel arms/loading surfaces	b ₄	mm	—	
4.31		Ground clearance, laden, below mast	m ₁	mm	16	
4.32		Ground clearance, center of wheelbase	m ₂	mm	16	
4.34.1		Aisle width for pallets 1000×1200 crossways	Ast	mm	2628	
4.34.2		Aisle width for pallets 800×1200 lengthways	Ast	mm	2516	
4.35		Turning radius	Wa	mm	1920	
Performance data	5.1	Travel speed, laden/unladen		km/h	8/8	
	5.2	Lifting speed, laden/unladen		m/s	0.18/0.23	
	5.3	Lowering speed, laden/unladen		m/s	0.36/0.18	
	5.8	Max. gradeability, laden/unladen		%	8/16	
	5.10	Service brake			Electromagnetic	
Electric-engine	6.1	Drive motor rating S2 60 min		kW	2.5	
	6.2	Lift motor rating at S3 15%		kW	3	
	6.4	Battery voltage/nominal capacity		V/Ah	24/205	
	6.5	Battery weight		kg	70	
Addition data	8.1	Type of drive control			AC	
	10.5	Steering design			Electric	
	10.7	Sound pressure level at the driver's ear		dB(A)	74	

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.



Option

OPTION NAME	RSi201
Fork dimension	● 570*1150 ○ 570*1220 ○ 685*1150 ○ 685*1220
Load wheel type	● Double ○ Single
Load wheel material	● PU
Drive wheel material	● PU ○ Trace PU ○ Rubber ○ PU (NDI)
Battery capacity	● 24V 205AH Li-ion
Charger	● 24V/30A internal ○ 24V/100A external
Battery indicator	● With hourmeter (Bluetooth)
Castor wheels	● Yes and not customized
Buzzer	● No ○ Yes and not customized
Telematics	● No ○ Yes and not customized
Turn speed control	● Yes and not customized
Heating system for lithium battery charging	● No ○ Yes and not customized
Operator identification device	● No ○ Card reader
Lifting and lowering function	● Proportional lifting
Note:	● standard ○ option — NA