



RSL16 PRO

HEAVY-DUTY LI-ION STACKER WITH FOLDABLE PLATFORM 1.6T

 1600 kg  3000 mm  24 V Li-Ion



The RSL16 PRO is designed for large warehouses, logistics hubs, and industrial sites where operators handle medium-to-long distance travel and intensive stacking cycles thanks to the high travelling and lifting / lowering speed with proportional control. The compact chassis makes it suitable for confined aisles while suspended platform and power steering grant high operator comfort. Elevations up to up to 5.5 meters, powerfull Li-Ion battery complete the scenario for the most demanding needs.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Li-Ion
Battery nominal capacity		Ah	24V/205AH
Battery voltage		V	24
Load capacity	Q	kg	1600
Load centre distance	c	mm	600
Service weight		kg	1200
Retracted mast height	h_1	mm	2015
Lift height	h_3	mm	2915
Height, mast extended	h_4	mm	3495
Overall length		mm	1961
Overall width	b_1/b_2	mm	850
Length to face of forks	l2	mm	821
Fork dimensions	s/e/l	mm	65×170×1150
Turning radius		Wa	1560
Operator type			Pedestrian
Load distance, centre of drive axle to fork		mm	690

Features

Heavy-duty versatility

With a maximum travel speed of 11km/h, fast and proportional lifting and lowering fork control, mast options up to 5.5 m, and gradeability up to 16%, RSL PRO delivers strength and flexibility for demanding logistics tasks.



Powerful Li-ion performance

Equipped with a 24V/205Ah Li-ion battery (with optional 280Ah), the RSL161 PRO provides long runtime, easy, safe and fast charging (under 2 hours), and zero maintenance, supporting continuous warehouse operations.

Foldable platform with suspension

The redesigned operator platform features shock-absorbing suspension, improving comfort and stability during long shifts. When folded, it reduces the truck footprint for easier maneuvering in narrow aisles.



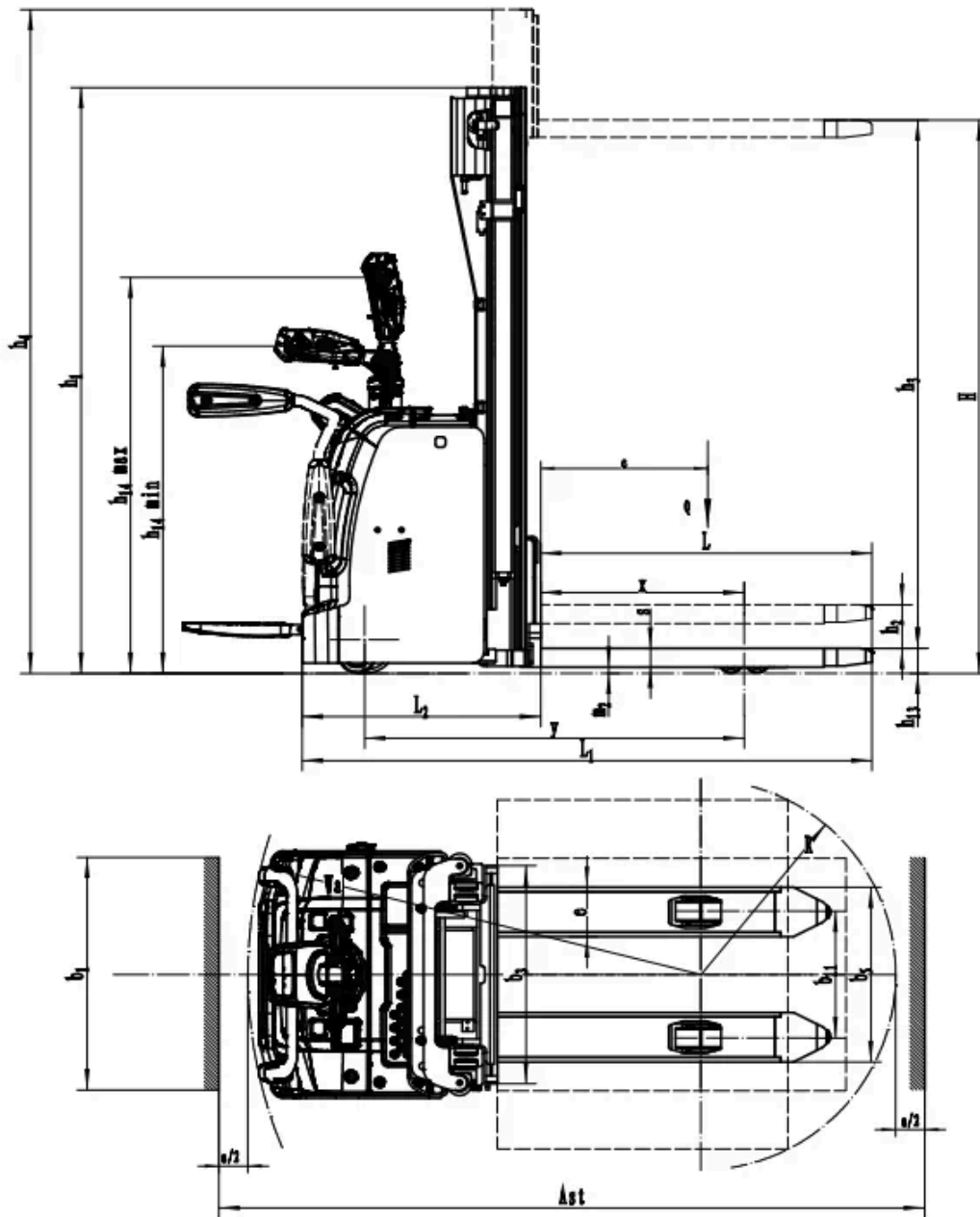
Smart steering and monitoring

Electronic power steering reduces operator fatigue and improves precision. Automatic speed reduction at turns ensures stability, while the new color display provides real-time truck and battery information and allow the operator to adjust the performance through the ESP driving mode selector

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.4	Operator type			Pedestrian
1.5	Load capacity	Q	kg	1600
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork		mm	690
1.9	Wheelbase		mm	1306
2.1	Service weight		kg	1200
2.2	Axle loading, laden front/rear		kg	1050/1750
2.3	Axle loading, unladen front/rear		kg	690/510
3.1	Tyre type			Polyurethane
3.2	Tyre size, front		mm	230×90
3.3	Tyre size, rear		mm	85×70
3.4	Additional wheels (castor wheels)		mm	130×55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4
3.6.1	Tread width, front	b ₁₀	mm	634
3.7.1	Tread width, rear	b ₁₁	mm	385
4.0	Max lift height	H	mm	3000
4.10	Height of wheel arms		mm	\
4.15	Lowered height			90
4.19	Overall length		mm	1961
4.2	Retracted mast height	h ₁	mm	2015
4.20	Length to face of forks	l ₂	mm	821
4.21	Overall width	b ₁ /b ₂	mm	850
4.22	Fork dimensions	s/e/l	mm	65×170×1150
4.24	Fork carriage width		mm	750
4.25	Distance between fork-arms			570
4.26	Distance between wheel arms/loading surfaces			\
4.3	Free lift		mm	\
4.31	Ground clearance, laden, below mast		mm	25
4.32	Ground clearance, centre of wheelbase		mm	25
4.34.1	Aisle width for pallets 1000×1200 crossways		Ast	2430
4.34.2	Aisle width for pallets 800×1200 lengthways		Ast	2400
4.35	Turning radius		Wa	1560

	SPECIFICATION	REF	UNIT	VALUE
4.4	Lift height	h ₃	mm	2915
4.5	Height, mast extended	h ₄	mm	3495
4.6	Initial lift		mm	90
4.9	Height of tiller handle in drive position min./max.			1125/1361
5.1	Travel speed, laden/unladen		km/h	9/11
5.10	Service brake			Electromagnetic
5.2	Lifting speed, laden/unladen		m/s	0.2/0.26
5.3	Lowering speed, laden/unladen		m/s	0.4/0.36
5.8	Max. gradeability, laden/unladen		%	8/12
6.1	Drive motor rating S2 60 min		kW	3
6.2	Lift motor rating at S3 15%		kW	4.5
6.4	Battery nominal capacity		Ah	24V/205AH
6.4	Battery voltage		V	24
6.4.1	Battery type			Li-Ion
6.5	Battery weight		kg	72
6.6	Energy consumption according to DIN EN 16796		kWh/h	1.01 ¹⁾
6.7	Turnover output according to VDI 2198			54.4
6.8	Turnover efficiency according to VDI 2198			37
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	100





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-Wide Mast	2600	1815	3095	
2-Wide Mast	3000	2015	3495	
2-Wide Mast	3300	2185	3835	
2-Wide Mast	3600	2312	4089	
2-Wide Mast	3900	2462	4389	
2-Wide Mast	4150	2592	4649	
2-Free Mast	2650	1815	3118	1320
2-Free Mast	2950	1962	3412	1470
2-Free Mast	3250	2115	3718	1620
3-Free Mast	4000	1820	4445	1345
3-Free Mast	4500	2020	4945	1545
3-Free Mast	4800	2115	5245	1645
3-Free Mast	5000	2185	5445	1715

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)
3-Free Mast	5500	2385	5945	1915

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150*685 1150*570
Load wheel type	Double
Load wheel material	PU
Drive wheel material	PU Carved PU Rubber
Battery capacity	205Ah (Li-ion) 280Ah (Li-ion)
Charger	24V-50A External (Li-ion) 24V-100A External (Li-ion)
Battery display indicator (BDI)	With hourmeter (Bluetooth)
Buzzer	No Yes and not customized
Telematics	No Yes and not customized
Castor wheels	Yes and not customized
Special AUS/NZ options	Yes and not customized
Operator identification device	Pin code Card reader
Lifting electronic limit	Yes and not customized