



RSL16I PRO

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

 2000 kg  3000 mm  24 V



The RSL16i PRO is designed for large warehouses, logistics hubs, and distribution centers requiring high-capacity stacking and double decking operations. Initial lift allow travel on uneven floors or loading/unloading onto trucks. Fast proportional fork control, 11km/h travelling speed, electronic power steering with speed reduction at turns and powerfull Li-Ion battery makes RSL16i PRO a productivity champion

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			RSL16I PRO
Battery voltage		V	24
Rated capacity	Q	kg	2000
Load centre distance	c	mm	600
Service weight		kg	1340
Height, mast lowered	h_1	mm	2015
Lift	h_3	mm	2915
Height, mast extended	h_4	mm	3495
Overall length	l_1	mm	2111
Overall width	b_1/b_2	mm	850
Length to face of forks	l_2	mm	971
Fork dimensions	s/e/l	mm	60/185/1150
Turning radius	wa	mm	1900
Drive			Electric
Operator type			Pedestrian

Features

Initial lift with maximum performance

The RSL161i PRO's initial lift raises the support arms independently, allowing operators to transport two pallets at once and travel on uneven floors with stability. 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.

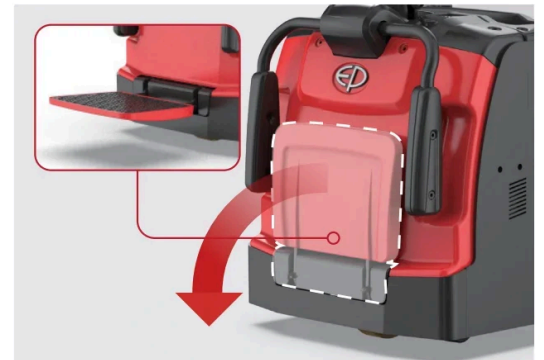


Powerful and easy Li-ion system

Equipped with a 24V/205Ah Li-ion battery (with optional 280Ah), the RSL16i PRO provides long runtime, easy, safe and fast charging (under 2 hours), and zero maintenance, supporting continuous warehouse operations

Operator comfort and visibility

The foldable platform with shock-absorbing suspension reduces fatigue during long shifts. Combined with a compact 850 mm chassis and improved mast visibility, it offers ergonomic and safe operation.



Smart steering and monitoring

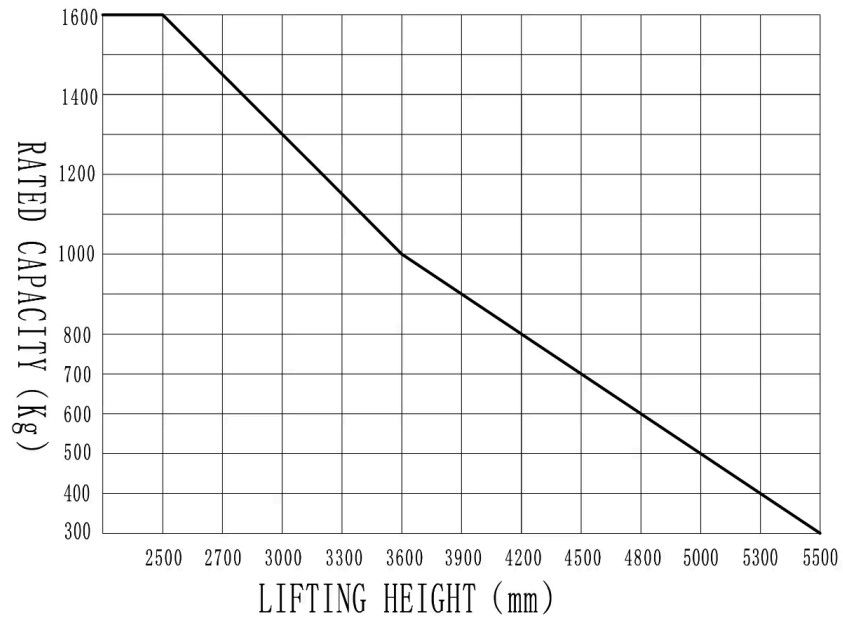
Electronic power steering reduces operator fatigue and improves precision. Automatic speed reduction at turns ensures stability, while the new color display provides real-time truck and battery information and allow the operator to adjust the performance through the ESP driving mode selector

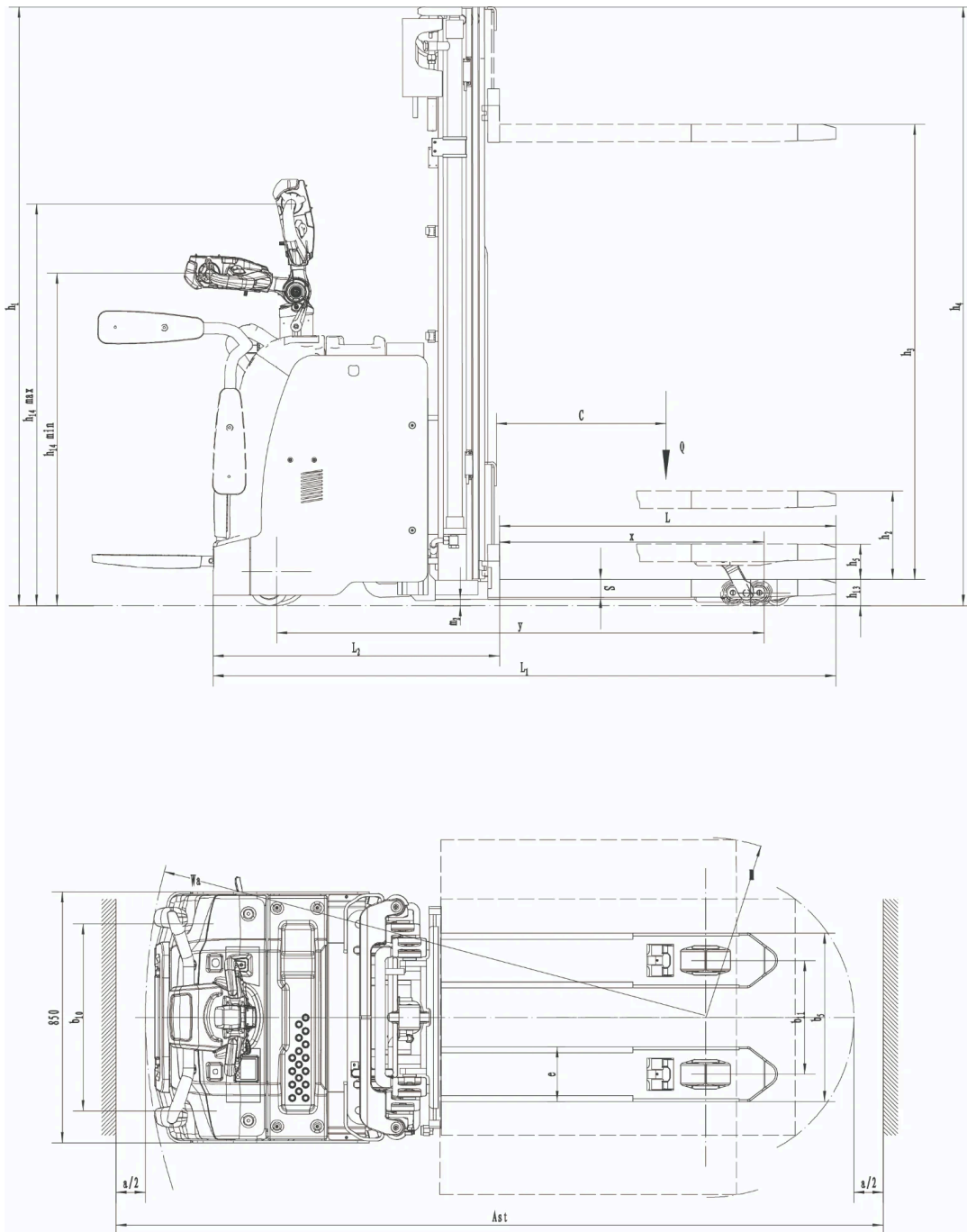
VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			RSL16I PRO
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	2000
1.5.1	Load capacity , load with mast lift	Q ₁	kg	1600
1.5.2	Load capacity, load with support arm lift	Q ₂	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	1650
2.1	Service weight		kg	1340
2.2	Axle loading, laden front/rear		kg	1120/1820
2.3	Axle loading, unladen front/rear		kg	760/580
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230x90
3.3	Tyre size, rear		mm	Φ85x70
3.4	Additional wheels (castor wheels)		mm	Φ130x55
3.5	Wheels, number front/rear (x=drive wheels)			1x+2/4
3.6	Tread width, front	b ₁₀	mm	634
3.7	Tread width, rear	b ₁₁	mm	385
4.2	Height, mast lowered	h ₁	mm	2015
4.4	Lift	h ₃	mm	2915
4.5	Height, mast extended	h ₄	mm	3495
4.6	Initial lift		mm	120
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	1125/1361
4.15	Height, lowered	h ₁₃	mm	92
4.19	Overall length	l ₁	mm	2111
4.20	Length to face of forks	l ₂	mm	971
4.21	Overall width	b ₁ /b ₂	mm	850
4.22	Fork dimensions	s/e/l	mm	60/185/1150
4.24	Fork carriage width		mm	750
4.25	Distance between fork-arms	b ₅	mm	570

SPECIFICATION		REF	UNIT	VALUE
4.31	Ground clearance, laden, below mast		mm	14
4.32	Ground clearance, centre of wheelbase	m ₂	mm	14
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2708
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2602
4.35	Turning radius	Wa	mm	1900
5.1	Travel speed, laden/unladen		km/h	9/11
5.2	Lift 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		%	8/16
5.10	Service brake			Electromagnetic
5.11	Parking brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	3
6.2	Lift motor rating at S3 15%		kW	4.5
6.4.1	Battery voltage		V	24
6.4.2	Battery nominal capacity K5		Ah	24V/205AH
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 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	100

RATED CAPACITIES GRAPH





Mast Options

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, 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	

MAST TYPE	LIFT HEIGHT (H3, MM)	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, NO BACKREST (H4, MM)	FREE LIFT HEIGHT, NO BACKREST (H2, MM)
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
3-Free Mast	5500	2385	5945	1915

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	1150-570 1150*685
Fork lowered height	92
Fork carriage width option	750
Backrest height	388
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-100A External (Li-ion) 24V-50A External (Li-ion)
Battery indicator	With hourmeter (Bluetooth)
Castor wheels	Yes and not customized
Buzzer	No Yes and not customized
Telematics	Yes and not customized
Proportional lift system	Yes and not customized
AS/NZS function package	Yes and not customized
Operator identification device	Pin code Card reader

ITEM**OPTIONS (optional items marked in yellow)**

Lifting electronic limit

Yes and not customized
