



ES16-RS

ELECTRIC STACKER 1.6T

1600 kg 3000 mm 24 V Lead Acid/Li-ion



The ES16-RS is suitable for warehouses, distribution centers, and manufacturing facilities where stability and efficiency are essential. Its high-strength chassis and mast options allow it to handle intensive stacking cycles, while electronic steering and dual monitoring systems support safe operation. Optional features such as Li-ion batteries, remote monitoring, and side supports make the ES16-RS adaptable to diverse operational needs.

SPECIFICATION	REF	UNIT	VALUE
Battery type			Lead Acid/Li-ion
Battery nominal capacity K5		Ah	210
Battery voltage		V	24
Rated capacity	Q	kg	1600
Load centre distance	c	mm	600
Service weight		kg	1240
Height, mast lowered	h_1	mm	2020
Lift	h_3	mm	2912
Height, mast extended	h_4	mm	3465
Overall length	l_1	mm	2035
Overall width	b_1/b_2	mm	850
Length to face of forks	l_2	mm	885
Fork dimensions	s/e/l	mm	60×190×1150
Turning radius	Wa	mm	1730/2090
Manufacturer			EP
Model designation			ES16-RS

Features

Strong and reliable design

A high-strength chassis and mast channels ensure stability and durability, making the ES16-RS suitable for demanding stacking operations up to 5.5 meters.



Operator-focused comfort

The foldable platform with reduced vibration and protection arms improves operator comfort during long shifts, while electronic steering reduces fatigue in tight spaces.

Advanced safety functions

Features like automatic low-speed mode above 720 mm, anti-rolling back brake, and dual hydraulic monitoring provide enhanced safety during daily operation.



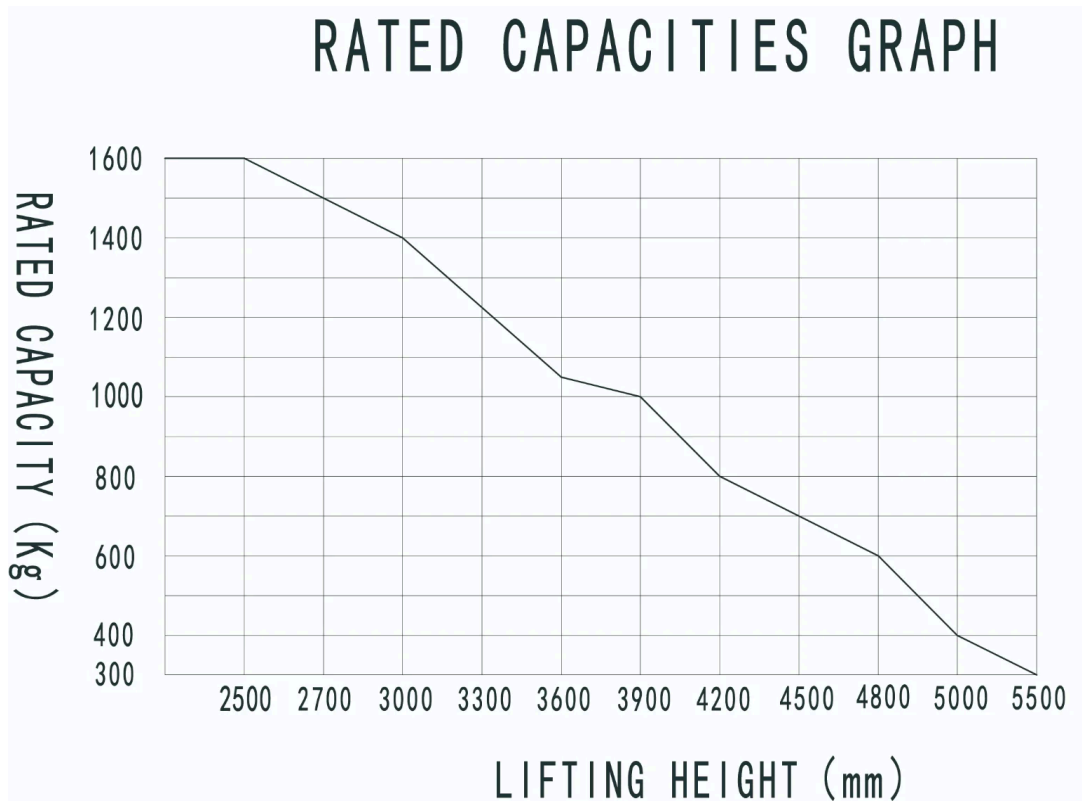
Flexible power and options

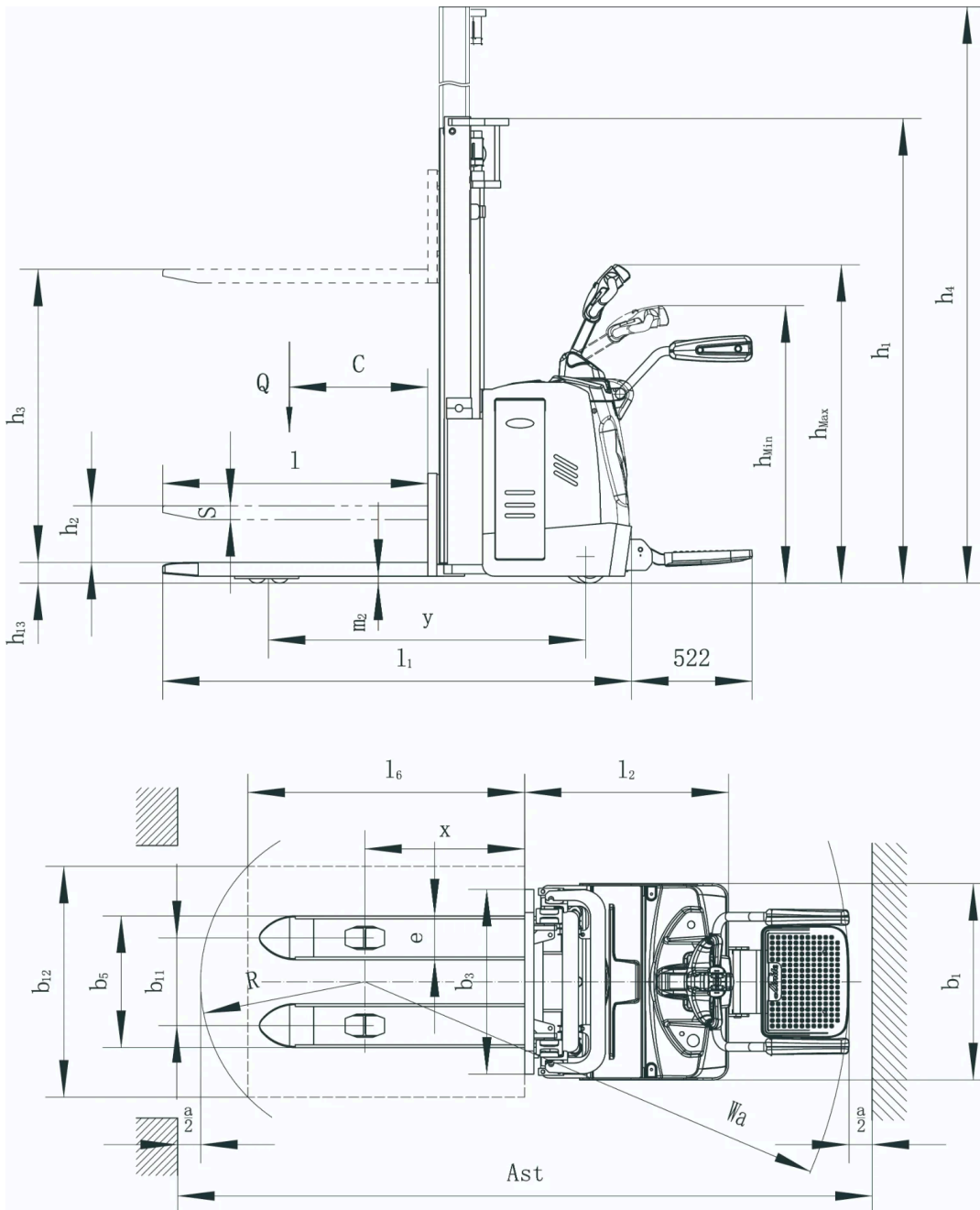
Equipped with a standard 24V/210Ah battery, the ES16-RS also supports Li-ion options (150Ah or 205Ah). Optional add-ons include remote monitoring, proportional lift, overhead guard, and side support systems.

VDI Chart

	SPECIFICATION	REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			ES16-RS
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1600
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	671
1.9	Wheelbase	y	mm	1375
2.1	Service weight		kg	1240
2.2	Axle loading, laden front/rear		kg	960/1880
2.3	Axle loading, unladen front/rear		kg	860/380
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Φ230×75
3.3	Tyre size, rear		mm	Φ85×70
3.4	Additional wheels (castor wheels)		mm	Φ130×55
3.5	Wheels, number front/rear (x=drive wheels)			1x+1/4
3.6	Tread width, front	b ₁₀	mm	574
3.7	Tread width, rear	b ₁₁	mm	380/495
4.2	Height, mast lowered	h ₁	mm	2020
4.4	Lift	h ₃	mm	2912
4.5	Height, mast extended	h ₄	mm	3465
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	1150/1480
4.15	Height, lowered	h ₁₃	mm	90
4.19	Overall length	l ₁	mm	2035
4.20	Length to face of forks	l ₂	mm	885
4.21	Overall width	b ₁ /b ₂	mm	850
4.22	Fork dimensions	s/e/l	mm	60×190×1150
4.24	Fork carriage width		mm	800
4.25	Distance between fork-arms	b ₅	mm	570/685
4.32	Ground clearance, centre of wheelbase	m ₂	mm	28
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2605/2965

SPECIFICATION		REF	UNIT	VALUE
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2575/2935
4.35	Turning radius	Wa	mm	1730/2090
5.1	Travel speed, laden/unladen		km/h	5.5/6.0
5.2	Lift speed, laden/unladen		m/s	0.13/0.16
5.3	Lowering speed, laden/unladen		m/s	0.30/0.22
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	3.0
6.4	Battery nominal capacity K5		Ah	210
6.4	Battery voltage		V	24
6.4.1	Battery type			Lead Acid/Li-ion
6.5	Battery weight		kg	200
6.6	Energy consumption according to DIN EN 16796		kWh/h	0.942 ¹⁾
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





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-Standard Mast	2700	1870	3165	100
2-Standard Mast	3000	2020	3465	100
2-Standard Mast	3300	2170	3765	100
2-Standard Mast	3600	2320	4065	100
2-Standard Mast	3900	2470	4365	100

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-Standard Mast	4170	2600	4625	100
2-Free Mast	2700	1819	3135	1320
2-Free Mast	3000	1969	3435	1470
2-Free Mast	3300	2119	3735	1620
3-Free Mast	4000	1822	4460	1390
3-Free Mast	4500	2022	4960	1590
3-Free Mast	4800	2122	5260	1690
3-Free Mast	5000	2187	5460	1740
3-Free Mast	5500	2352	5910	1910

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	570*1150 570*1220 685*1150 685*1220
Fork lowered height	90
Load wheel type	Double
Load wheel material	PU
Drive wheel material	PU
Battery capacity	210Ah 280Ah 345Ah 205Ah Li-ion
Charger	24V-30A External (Lead acid) 24V-50A External (Lead acid) 24V-100A External (Li-ion)
Battery display indicator (BDI)	With time (Bluetooth)
Castor wheels	Yes and not customized
Water auto-filling system	No Yes and not customized
Telematics	No Yes and not customized
Battery side pull function	Yes and not customized
Proportional lift system	No Yes and not customized
Turn speed control	Yes and not customized
Lifting electronic limit	Yes and not customized