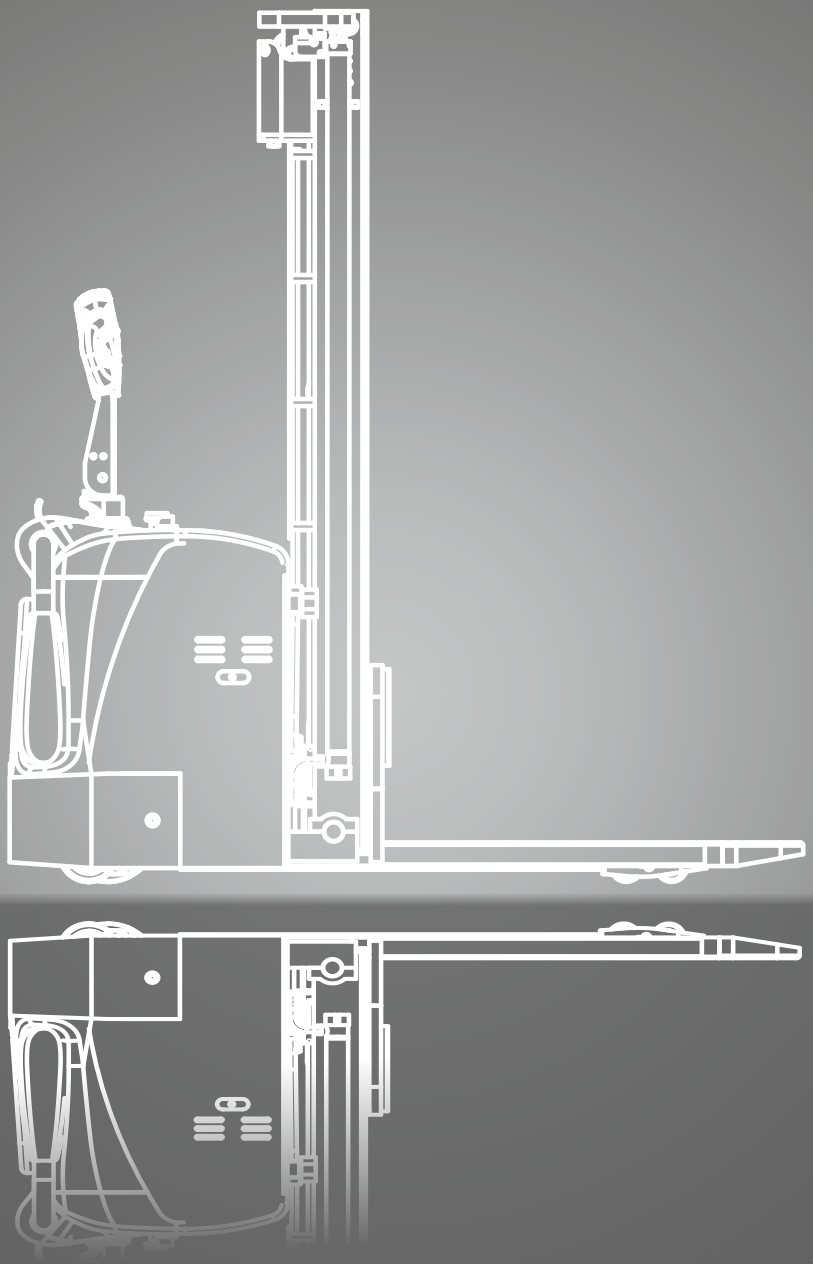
CLARK
THE FORKLIFT

RSE16

Lithium-Ion Stacker Truck
with platform
1600 kg - Revision -



LI-ION

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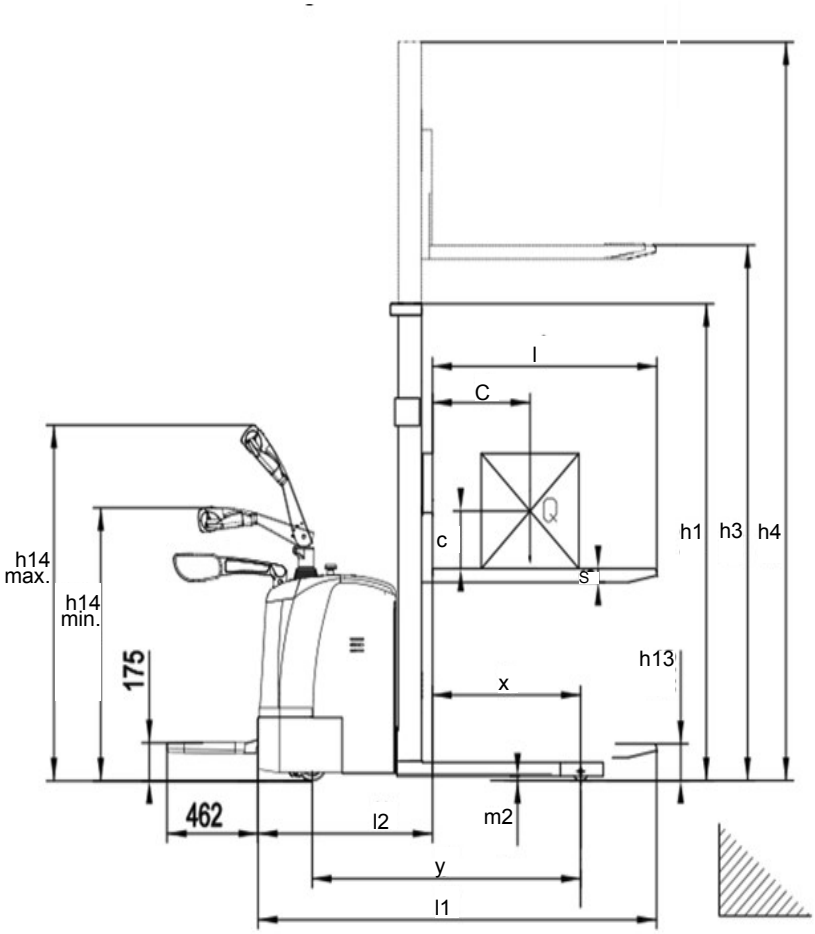
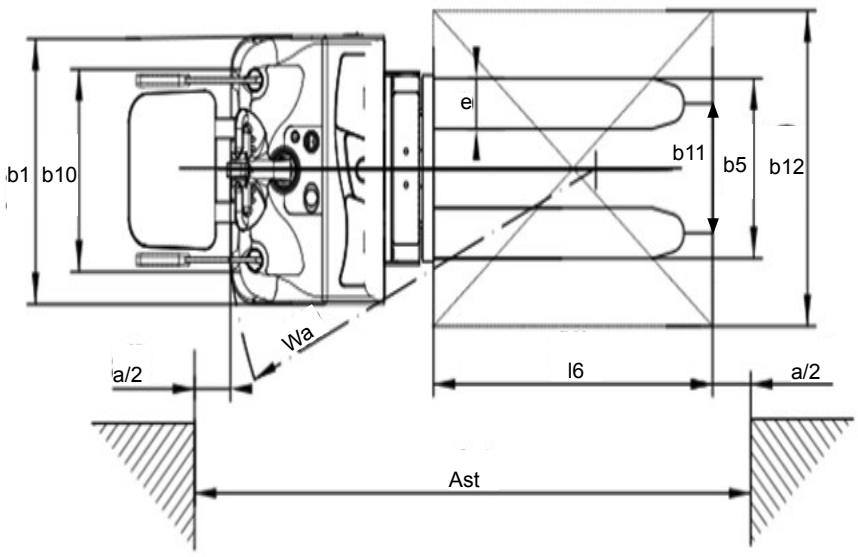
DIMENSIONS

RSE16





For corresponding data see specification chart.

SPECIFICATIONS

Product specification acc. to VDI 2198

	1.1	Manufacturer (Abbreviation)		CLARK
Specifications	1.2	Manufacturer's designation		RSE16
	1.3	Drive unit		Electric-24V
	1.4	Operator type stand on/driver seated		Stand/Pedestrian
	1.5	Load capacity/rated load	Q (kg)	1600
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance, centre of drive axle to fork face	x (mm)	672
	1.9	Wheelbase	y (mm)	1378
Weight	2.1	Service weight	kg	1560
	2.2	Axle loading, laden front/rear	kg	2049 / 1109
	2.3	Axle loading, unladen front/rear	kg	1053 / 500
Tyres, Chassis	3.1	Tyres		Polyurethane
	3.2	Tyre size, front		Ø 250 x 80
	3.3	Tyre size, rear		Ø 80 x 84
	3.4	Additional wheel (dimensions)		Ø 150 x 60
	3.5	Wheels, number front/rear (x = drive wheels)		1x+1/4
	3.6	Tread, front	b_{10} (mm)	580
	3.7	Tread, rear	b_{11} (mm)	404
Dimensions	4.2	Height of mast, lowered	h_1 (mm)	2145
	4.3	Freelift	h_2 (mm)	1710
	4.4	Lift height *1	h_3 (mm)	3300
	4.5	max.height of mast, extended	h_4 (mm)	3770
	4.9	Height drawbar in driving position min./max.	h_{14} (mm)	1120/1480
	4.15	Lowered fork height	h_{13} (mm)	90
	4.19	Overall length	l_1 (mm)	2020
	4.20	Length to face of forks	l_2 (mm)	950
	4.21	Width	b_1(mm)	850
	4.22	Fork dimensions	s*e*l (mm)	60*180*1150
	4.25	Width across forks min/max	b_5(mm)	570
	4.32	Ground clearance centre of wheelbase	m_2 (mm)	31
	4.34.1	Stacking aisle for pallets (l6 · b12) 1000 x 1200 across	Ast (mm)	2535
	4.34.2	Stacking aisle for pallets (l6 · b12) 800 x 1200 along	Ast (mm)	2515
	4.35	Turning radius	Wa (mm)	1650
Performance	5.1	Travel speed laden/unladen	km/h	9.5 / 10
	5.2	Lift speed laden/unladen	m/s	0.18/0.30
	5.3	Lowering speed laden/unladen	m/s	0.45/0.37
	5.8	max. gradeability laden/unladen (S2 5 min.) *2	%	8/15
	5.10	Service brake		electro magnetic
Drive line	6.1	Drive motor output (S2 60 Min.)	kW	3.0
	6.2	Lift motor output S3 15 %	kW	4.2 (AC)
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/230
Misc.	8.1	Steering design		AC
	10.7	Sound level, driver's ear DIN/EN 12053	dB (A)	70

*1) Further lift heights to be found in the mast overview *2) At friction coefficient μ=0.6 with 1.6 km/h

All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change. The specifications apply under normal operating conditions. All values given may vary + 5 % and - 10 % due the motor and system tolerances and represent nominal values obtained under typical operating conditions. CLARK reserves the right to change products and specifications without prior notice.

EQUIPMENT EXTRAS

	Equipment feature	RSE16
General	Low-maintenance AC drive motor	•
	Electric power steering (servo-assisted) as standard	•
	Proportional lift as standard	•
	Electric driving, lifting and lowering	•
	Battery discharge indicator	•
Battery and Charging Technology	Battery 24 V / 230 Ah Li-Ion + Charger 24 V / 100 A (external)	•
	Battery 24 V / 300 Ah Li-Ion + Charger 24 V / 100 A (external)	X
Safety and Operation	Four-wheel concept for high stability	•
	Rubber drive wheel for improved traction	X
	Fork lengths from 900 mm to 1600 mm	X
	Load backrest (1000 mm)	X
	Load backrest (1220 mm)	X
	Load backrest (1500 mm)	X
	Activation via key switch	•
	Activation via PIN-Code	X
	Turtle mode function with raised tiller arm	•
	Antistatic strap	X
	Rear view mirror	X
	A4 document holder	X
	Stretch film roll holder	X
	Scanner holder	X
	LED light (yellow)	X
	Warning signal (buzzer)	X
	Blue Light	X
	Working lights	X
	Safety screen (Perspex) on the mast	•

• = Standard equipment; x = Option

FEATURES & ADVANTAGES

RSE16

Comfortable and efficient

- Proportional hydraulic system for smooth, precise lifting and lowering
- Electric power steering (servo-assisted) as standard for controlled manoeuvring
- Low step height (175 mm) for comfortable mounting and dismounting
- Li-ion battery options (230 Ah or 300 Ah) for high availability

Operation

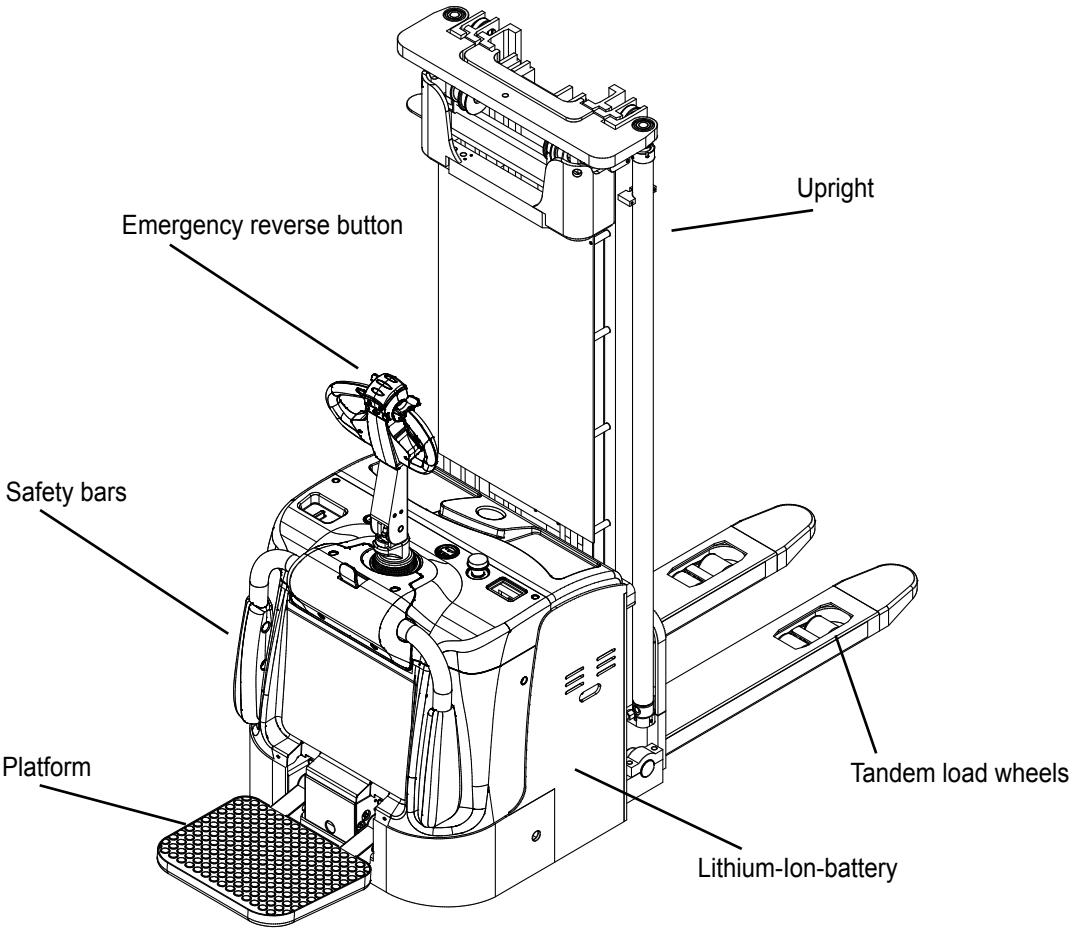
- Side safety bars with soft-grip surface for secure support when cornering
- Fork length options from 1070 to 1600 mm
- Optional rubber drive wheel for improved traction
- Robust mast and frame construction
- Wide range of optional equipment
- Standard uprights 2500 - 3500 mm (with freelift)
- Triplex uprights 4500 - 5600 mm (with freelift)

Operator-friendly

- Suitable for left- and right-handed users
- Ergonomically positioned controls
- Turtle mode as standard for controlled manoeuvring in narrow areas
- Multifunction colour display for operating information

Maintenance-friendly

- Easy access to components for service and maintenance
- Water- and dust-protected motor design
- CAN bus technology for simple diagnostics and reduced maintenance effort



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PRODUCT DESCRIPTION

RSE16

Efficient and stable

The RSE16 is designed for comfortable and efficient work in ride-on operation. The low step height of the operator platform of just 175 mm supports frequent mounting and dismounting and helps reduce physical strain during shift work. Standard equipment includes Electric power steering (servo-assisted) as standard, providing smooth and precise handling even in narrow aisles or when transporting heavy loads.

The RSE16 is available with mast options for demanding storage and retrieval tasks in ride-on operation. Standard masts cover lift heights from 2,500 to 3,500 mm and include free lift as standard, supporting safe work in areas with low doors, gates or clearance restrictions. Triplex masts with lift heights from 4,500 to 5,600 mm are available for applications requiring higher lift heights.

The low centre of gravity supports stable and controlled handling across the full lift range. The compact chassis design supports precise manoeuvring, particularly at higher lift heights and in confined working areas.

Driving behavior & Stability

The RSE16 supports stable, controlled driving for demanding transport and storage tasks. AC control enables smooth speed regulation, while the compact truck structure and low centre of gravity support safe handling, even at higher lift heights.

The four-wheel concept provides high stability. Side safety bars give additional support, particularly when cornering or driving at higher speeds. The soft-grip surface improves comfort and grip security.

Upright table RSE16

Upright type	Lift height (h3+h13)	Built height lowered (h1)	Height upright extended (h4)	Height upright extended (h4)	Freelift (h2)
			without load backrest	with load backrest	without load backrest
	mm	mm	mm	mm	mm
Standard	2500	1745	2970	3500	1310
	3000	1995	3470	4000	1560
	3300	2145	3770	4300	1710
	3500	2245	3970	4500	1810
Triplex	4000	1900	4530	5000	1390
	4500	2060	5030	5500	1570
	5000	2220	5510	6000	1750
	5600	2420	6110	6600	1950

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