



Power Source
Rated Capacity
Drive Motor Power

Electric
45,000 kg
157/310 kW

LRSE4531E

E-SERIES

REACH STACKER

TOUGH WORLD. TOUGH EQUIPMENT.

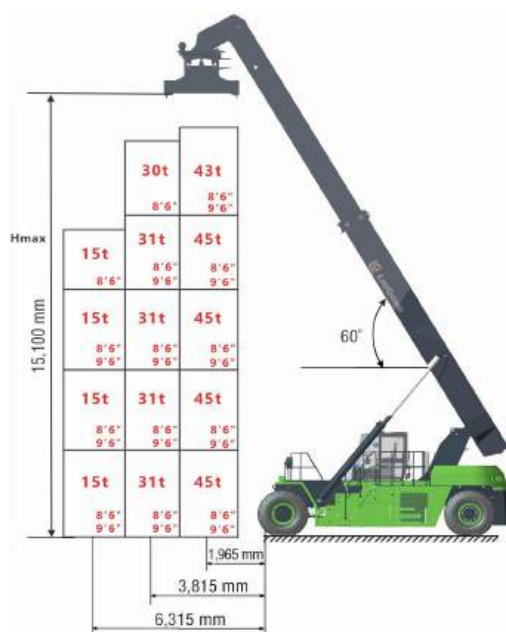
LRSE4531E SPECIFICATIONS >>>

TECHNICAL PARAMETER

Model	LRSE4531E
Power Type	Electric
Boom Max. Lifting Height	15,100 mm
Boom Tilt	60 °
Max. Lifting Speed (Unloaded/Loaded)	420/250 mm/s
Max. Lowering Speed (Unloaded/Loaded)	360/300 mm/s
Max. Travel Speed (Unloaded/Loaded)	21/15 km/h
Gradeability (Unloaded/Loaded)	21/14 %
Service Weight	73 t
Rated Carrying Capacity	45 t
Stacking Layers	5
L Overall Length	11,311 mm
L1 Wheelbase	6,000 mm
H Overall Height	4,777 mm
H1 Min. Ground Clearance	350 mm
W/W1 Overall Width(At Retracted Spreader/Front Wheel)	6,053 mm
T1 Front Wheel Tread	3,033 mm
T2 Rear Wheel Tread	2,798 mm
R Min. Turning Radius	8,000 mm
A1 Aisle Width For 20 ft. Container	11,300 mm
A2 Aisle Width For 20 ft. Container	13,600 mm

TIRES

Tire Size	18.00-25-40PR
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BATTERY

Type	Lithium
Voltage	618/580 V
Capacity	423/525 kW·h
Charging Time	1.5/1.8 h
Battery Running Time	8/10 h
Protection Degree	IP68
Other Functions	Heating/Water cooling

DRIVE MOTOR

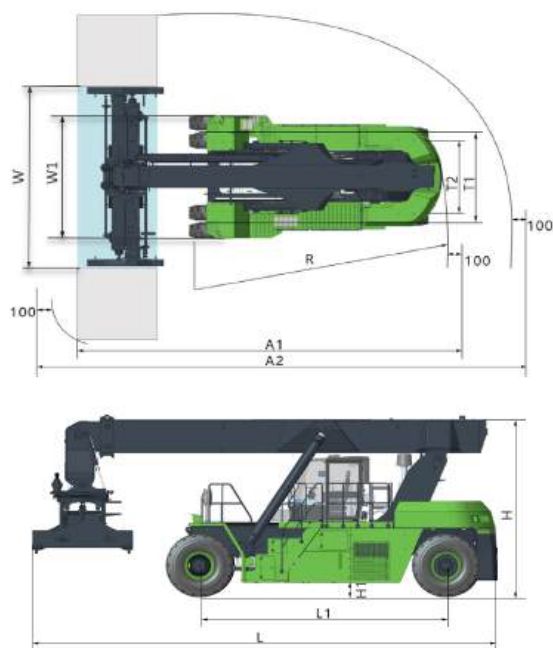
Type	Permanent magnet synchronization
Work Class	S9
Power (Rated/Peak)	157/310 kW
Torque (Rated/Peak)	1,500/4,200 N·m
Speed (Rated/Peak)	1,000/2,800 r/min
Protection Degree	IP67

DRIVE AXLE

Drive Axle Model	Kessler D102PL341/ WF0432A0-1
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SPREADER

Model	ELME/LiuGong
Lateral Movement Distance	±800 mm
Rotating Angle	+105/-195 °
Tilt Angle	±2 °
Operation Weight	7.8/8.2 t
Applicable Objects	ISO20'/40'/45' Container



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

02/2026 Designed by LiuGong