



856HE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	350 kWh
OPERATING WEIGHT	19,840 kg
STANDARD BUCKET SIZE	3.5 m ³
STANDARD BREAKOUT FORCE	185 kN
STANDARD DUMP CLEARANCE	2,977 mm



B A T T E R Y E L E C T R I C V E H I C L E

TOUGH WORLD. TOUGH EQUIPMENT.

POWER BATTERY

Battery Type	LFP
Rated Storage Energy	350 kWh
Nominal Voltage	580 V
System Voltage	DC 24 V
Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charging Pile	120 ~ 320 kW
Charging Time (240kW Charging Pile)	≤ 75 min (SOC12% ~ 95%)

DRIVE MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	-40 ~ 85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	-40 ~ 85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

TRANSMISSION

Manufacturer	LiuGong
Number of Speeds, fwd / rev	2 / 1
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	13 km/h
Transmission Type	Planetary electronically controlled shift

AXLES

Type	LiuGong wet axle
Axle Oscillation	± 9.5°
Tire Size	23.5-25 PR20

WORKING HYDRAULICS

System	Fixed/Variable dual pump flow combination
Operation	Single electric-control joystick
Work Pump	Gear pump
Work Pressure	25 MPa

STEERING HYDRAULICS

System	Flow amplification
Steering Pump	Variable piston pump
Steering Relief Pressure	21 MPa

BRAKES

Service Brake Type	Full hydraulic brake
Service Brake Actuation	Hydraulic wet brake
Parking Brake Type	Drum
Parking Brake Actuation	Hydraulic brake cylinder

PERFORMANCES

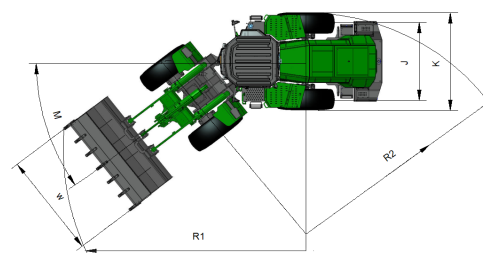
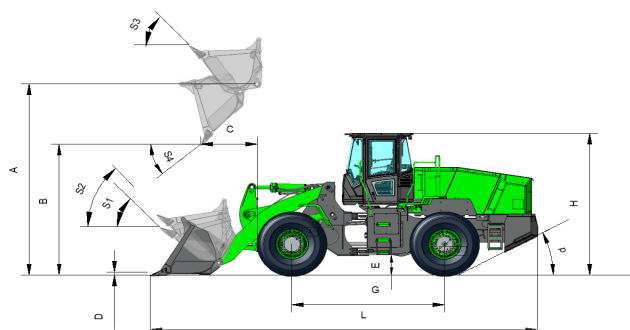
Operating Weight	19,840 kg
Bucket Capacity	3.5 m³
Tipping Load - Straight	16,400 kg
Tipping Load - Full Turn	14,480 kg
Raise Time	5.2 s
Dump Time	1.5 s
Float Down Time	2.3 s
Fastest Total Cycle Time	9.0 s
Bucket Breakout Force	185 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Clearance at Full Height Discharge	2,977 mm
C Dump Reach at Full Height Discharge	1,231 mm
D Maximum Digging Depth, Bucket Level	50.2 mm
S ₁ Bucket Rollback at Ground Level	44.3°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	56°
S ₄ Maximum Dump Angle at Full Height	45°

DIMENSIONS

E Ground Clearance	431 mm
G Wheelbase	3,525 mm
H Cab Height	3,500 mm
J Wheel Tread	2,280 mm
K Width Over Tires	2,880 mm
L Length with Bucket Down	8,621 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	7,209 mm
R ₂ Turning Radius, Outside of Tire	6,625 mm
W Width Over Bucket	2,976 mm

SERVICE CAPACITIES

Anti-freeze	45 L
Hydraulic Reservoir	230 L
Axle, Front / Rear	50 / 48 L
Transmission	23 L



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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.

07/2025 Designed by LiuGong
Replace the previous versions of 07/2025