



8110TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	706 kWh
OPERATING CAPACITY	11,000 kg
OPERATING WEIGHT	40,400 kg
STANDARD BUCKET SIZE	8.5 m ³
STANDARD BREAKOUT FORCE	317 kN
STANDARD DUMP CLEARANCE	3,176 mm



B A T T E R Y E L E C T R I C M A C H I N E

TOUGH WORLD. TOUGH EQUIPMENT.

8110TE SPECIFICATIONS >>>

POWER BATTERY

Battery Type	LFP
Rated Storage Energy	706 kWh
Nominal Voltage	614.4 V
System Voltage	DC24 V
Cooling Type	Water Heating, Liquid Cooling
Recommended Charger	720 kW
Charging Time (720kW Charging Power)	≤ 65 min

DRIVE MOTOR

Peak Power	180 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85 °C
Cooling Type	Intelligent temperature control liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR

Peak Power	240 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85 °C
Cooling Type	Intelligent temperature control liquid cooling
Altitude	≤ 5,000 m

TRANSMISSION

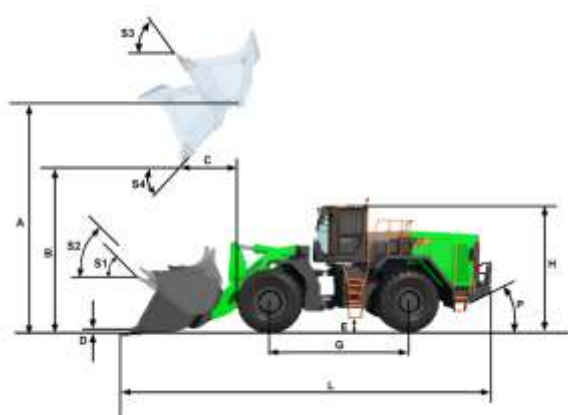
Manufacturer	LiuGong
Number of Speeds, fwd / rev	2 / 2
Maximum Travel Speed, fwd	36.5 km/h
Maximum Travel Speed, rev	36.5 km/h
Transmission Type	Fixed-axis power shift

AXLES

Type	LiuGong wet axle
Axle Oscillation	± 9°
Tire Size	875/65R29★★ L-3

WORKING HYDRAULICS

System	Variable dual pumps confluent
Operation	Electrical Proportional Joystick / Proportional Single Lever Control
Work Pump	Variable displacement piston pump
Work Pressure	31.5 MPa



STEERING HYDRAULICS

Steering Hydraulic System	Load-Sensing steering hydraulic system
Steering Pump	Variable displacement piston pump
Steering Relief Pressure	24.5 MPa

BRAKES

Service Brake Type	Full hydraulic wet brakes
Service Brake Actuation	Single-Pedal full hydraulic braking
Parking Brake Type	Caliper disc parking brake
Parking Brake Actuation	Electro-hydraulic

LOADER ARM PERFORMANCE

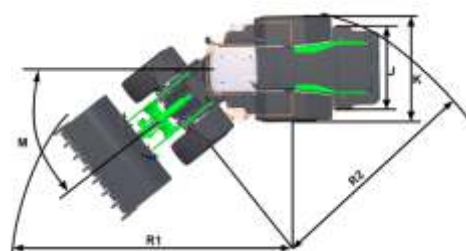
Operating Weight	40,400 kg
Bucket Capacity	8.5 m³
Tipping Load - Straight	29,000 kg
Tipping Load - Full Turn	24,500 kg
Raise Time	5.0 s
Dump Time	1.6 s
Float Down Time	3.4 s
Fastest Total Cycle Time	10.0 s
Bucket Breakout Force	317 kN
A Maximum Hinge Pin Height	4,779 mm
B Dump Clearance at Full Height Discharge	3,176 mm
C Dump Reach at Full Height Discharge	1,812 mm
D Maximum Digging Depth, Bucket Level	127 mm
S ₁ Bucket Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	64°
S ₄ Maximum Dump Angle at Full Height	45°

DIMENSIONS

E Ground Clearance	442 mm
G Wheelbase	4,000 mm
H Cab Height	3,800 mm
J Wheel Tread	2,450 mm
K Width over Tires	3,325 mm
L Length with Bucket Down	10,735 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	25°
R ₁ Turning Radius, Bucket Carry	8,227 mm
R ₂ Turning Radius, Outside of Tire	7,273 mm
W Width over Bucket	3,700 mm

SERVICE CAPACITIES

Anti-freeze	100 L
Hydraulic Reservoir	450 L
Axle, Front / Rear	90 / 90 L
Transmission	23 L



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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