



820TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	70.5 kWh
OPERATING WEIGHT	6,330 kg
RATED LOAD CAPACITY	2,000 kg
STANDARD BUCKET SIZE	1.2 m ³
STANDARD BREAKOUT FORCE	50 kN
STANDARD DUMP CLEARANCE	3,050 mm
AC CABIN	



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.

820TE SPECIFICATIONS >>>

POWER BATTERY

Battery Type	LFP
Rated Storage Energy	70.5 kWh
Nominal Voltage	309 V
System Voltage	DC24V
BMS Protection Level	IP68
Recommended Charger	≤60 kW
Charging Time (60kW Charging pile)	≤70 min

DRIVE MOTOR

Peak Power	50 kW
Protection Level	IP67
Ambient Temperature	-35~85°C
Altitude	≤2000 m

HYDRAULIC MOTOR

Peak Power	34 kW
Protection Level	IP67

TRANSMISSION

Manufacturer	LiuGong
Transmission Type	Countershaft powershift
Number of Speeds, fwd-1 / rev-1	19km/h
Maximum Travel Speed	19km/h

AXLES

Type	LiuGong wet axle
Axle Oscillation	± 8°

TIRES

Tire Size	16/70-20 PR
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WORKING HYDRAULICS

System	Variable single pump
Operation	Hydraulic-control joystick
Work Pump	Gear pump
Work Pressure	20 MPa

CABIN

A.C Cabin
LiuGong i-Link (Telematics)

STEERING SYSTEM

Steering Type	Articulation
Steering Pump	Gear pump
Steering Relief Pressure	14.8 MPa

BRAKES

Service Brake	Fully Hydraulic Wet Brake
Parking Brake	Caliper Disc Brake

LOADER PERFORMANCE WITH STANDARD BUCKET

1.2M³

Operating Weight	6,330 kg
Bucket Capacity	1.2 m ³
Tipping Load - Straight	4,400 kg
Tipping Load - Full Turn	3,600 kg
Raise Time	5.1 s
Dump Time	1.0 s
Lowering Time	3.1 s
Total Cycle Time	9.2 s
Bucket Breakout Force	50 kN
A Maximum Hinge Pin Height	3,770 mm
B Dump Clearance at Full Height Discharge	3,050 mm
C Dump Reach at Full Height Discharge	1,020 mm
D Maximum Digging Depth, Bucket Level	85 mm
S ₁ Bucket Rollback at Ground Level	53°
S ₂ Bucket Rollback at Carry	59°
S ₃ Bucket Rollback at Maximum Height	64°
S ₄ Maximum Dump Angle at Full Height	45°

DIMENSIONS

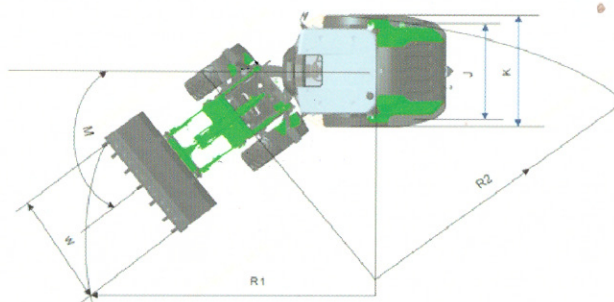
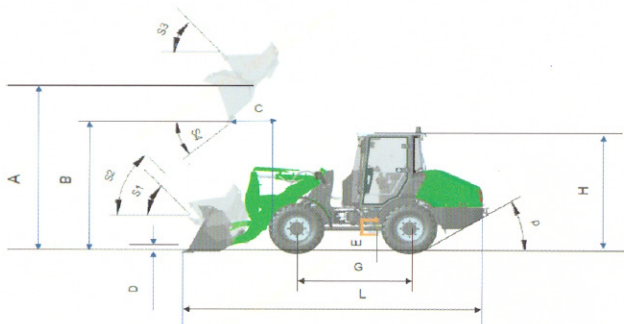
E Ground Clearance	350 mm
G Wheelbase	2,300 mm
H Cab Height	2,515 mm
J Wheel Tread	1,520 mm
K Width over Tires	1,930 mm
L Length with Bucket Down	6,223 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R ₁ Turning Radius, Bucket Carry	5,110 mm
R ₂ Turning Radius, Outside of Tire	4,117 mm
W Width over Bucket	2,200 mm

SERVICE CAPACITIES

Anti-freeze	10 L
Hydraulic Reservoir	54 L
Axle, Front / Rear	13/13 L
Transmission	1.5 L

OPTIONAL

Quick Coupler
Grapppler & Fork
4 in 1 Bucket
Rotary Beacon



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