



# 820TE

<b>BATTERY TYPE</b>	LFP
<b>RATED STORAGE ENERGY</b>	70.5 kWh
<b>OPERATING WEIGHT</b>	6,500 kg
<b>RATED LOAD CAPACITY</b>	2,000 kg
<b>STANDARD BUCKET SIZE</b>	1.2 m <sup>3</sup>
<b>STANDARD BREAKOUT FORCE</b>	50 kN
<b>STANDARD DUMP CLEARANCE</b>	3,050 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	70.5 kWh
Nominal Voltage	309 V
System Voltage	DC24 V
BMS Protection Level	IP68
Cooling Type	Intelligent temperature control liquid cooling
Recommended Charger	≤ 60 kW
Charging Time (60kW Charging pile)	≤ 70 min

## DRIVE MOTOR

Peak Power	50 kW
Protection Level	IP67
Ambient Temperature	- 30 ~ 85°C
Cooling Type	Intelligent temperature control liquid cooling
Altitude	≤ 5,000 m

## HYDRAULIC MOTOR

Peak Power	60 kW
Protection Level	IP67
Ambient Temperature	- 30 ~ 85°C
Cooling Type	Intelligent temperature control liquid cooling
Altitude	≤ 5,000 m

## TRANSMISSION

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

## AXLES

Type	LiuGong wet axle
Axle Oscillation	± 8°
Tire Size	16/70 - 20PR14

## WORKING HYDRAULICS

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

## STEERING HYDRAULICS

System	Large displacement steering gear
Steering Pump	Gear pump
Steering Relief Pressure	19 MPa

## BRAKES

Service Brake Type	Full hydraulic braking
Service Brake Actuation	Hydraulic wet brake
Parking Brake Type	Disc
Parking Brake Actuation	Hydraulic brake cylinder

## LOADER ARM PERFORMANCE

Operating Weight	6,500 kg
Bucket Capacity	0.8~2.0 m³
Tipping Load - Straight	4,400 kg
Tipping Load - Full Turn	3,300 kg
Raise Time	5.1 s
Dump Time	1.0 s
Float Down Time	3.1 s
Fastest 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	1040 mm
D Maximum Digging Depth, Bucket Level	80 mm
S <sub>1</sub> Bucket Rollback at Ground Level	53°
S <sub>2</sub> Bucket Rollback at Carry	59°
S <sub>3</sub> Bucket Rollback at Maximum Height	64°
S <sub>4</sub> Maximum Dump Angle at Full Height	40°

## 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	6,220 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R <sub>1</sub> Turning Radius, Bucket Carry	5,110 mm
R <sub>2</sub> Turning Radius, Outside of Tire	4,330 mm
W Width over Bucket	2,225 mm

## SERVICE CAPACITIES

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

