

LIUGONG

820TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	70.5 kWh
OPERATING WEIGHT	6,850 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



BATTERY ELECTRIC VEHICLE

TOUGH WORLD. TOUGH EQUIPMENT.

820TE SPECIFICATIONS >>>

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	≤ 80 kW
Charging Time (80kW Charging Power)	≤ 60 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	Fixed-axis power shift

AXLES

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

WORKING HYDRAULICS

System	Variable single pump
Operation	Single electric-control joystick
Work Pump	Variable displacement piston pump
Work Pressure	20 MPa

STEERING HYDRAULICS

System	Large displacement steering gear
Steering Pump	Variable displacement piston 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

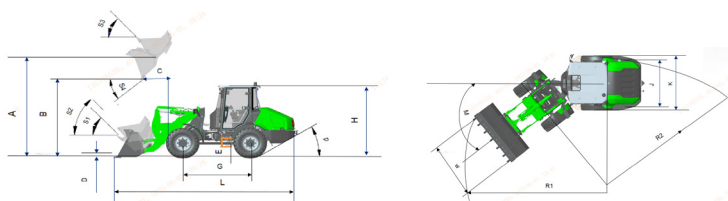
Operating Weight	6,850 kg
Bucket Capacity	0.8 ~ 2.0 m³
Tipping Load - Straight	4,400 kg
Tipping Load - Full Turn	3,300 kg
Raise Time	5.1 s
Dump Time	1.0 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.2 s
Bucket Breakout Force	50 kN
A Maximum Hinge Pin Height	3,770 mm
B Dump Clearance at Full Height Discharge	3,050 mm
C Dump Reach at Full Height Discharge	1,040 mm
D Maximum Digging Depth, Bucket Level	80 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	40°

DIMENSIONS

E Ground Clearance	350 mm
G Wheelbase	2,300 mm
H Cab Height	2,520 mm
J Wheel Tread	1,520 mm
K Width over Tires	1,930 mm
L Length with Bucket Down	6,385 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	4,330 mm
W Width over Bucket	2,225 mm

SERVICE CAPACITIES

Anti-freeze	25 L
Hydraulic Reservoir	54 L
Axle, Front / Rear	13 / 13 L
Transmission	1.5 L



Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China

T: +86 772 3886124

E: overseas@liugong.com

www.liugong.com

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.

02/2025 Designed by Liugong
Replace the previous versions of 02/2025