



848TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	282 kWh
OPERATING WEIGHT	18,591 kg
STANDARD BUCKET SIZE	2.7 m ³
STANDARD BREAKOUT FORCE	154 kN
STANDARD DUMP CLEARANCE	2,778 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.

848TE SPECIFICATIONS >>>

POWER BATTERY

Battery Type	LFP
Rated Storage Energy	282 kWh
Nominal Voltage	614 V
System Voltage	DC 24 V
Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charging Pile	240 ~ 320 kW
Charging Time (240kW Charging Pile)	≤ 60 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	170 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	40 km/h
Maximum Travel Speed, rev	25 km/h
Transmission Type	Fixed shaft electronically controlled shift

AXLES

Type	LiuGong wet axle
Axle Oscillation	± 10.5°
Tire Size	20.5R25 ★/L-3

WORKING HYDRAULICS

System	Variable single pump
Operation	Single electric-control joystick
Work Pump	Variable piston pump
Work Pressure	28 MPa

STEERING HYDRAULICS

System	High-capacity steering system
Steering Pump	Piston pump
Steering Relief Pressure	22 MPa

BRAKES

Service Brake Type	Full hydraulic brake
Service Brake Actuation	Hydraulic wet brake
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic control

PERFORMANCES

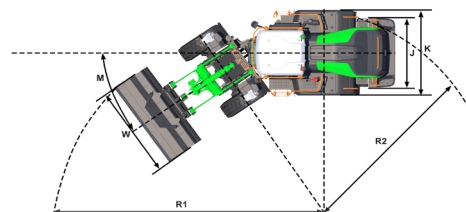
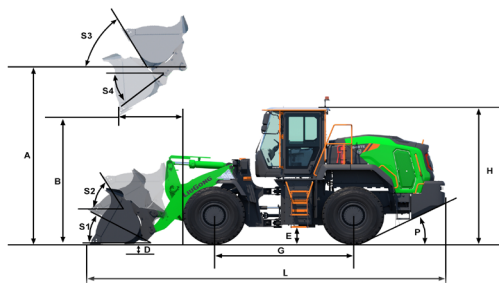
Operating Weight	18,591 kg
Bucket Capacity	2.7 m³
Tipping Load - Straight	13,030 kg
Tipping Load - Full Turn	11,370 kg
Raise Time	5.6 s
Dump Time	2.0 s
Float Down Time	3.0 s
Fastest Total Cycle Time	10.6 s
Bucket Breakout Force	154 kN
A Maximum Hinge Pin Height	3,998 mm
B Dump Clearance at Full Height Discharge	2,778 mm
C Dump Reach at Full Height Discharge	1,186 mm
D Maximum Digging Depth, Bucket Level	109 mm
S ₁ Bucket Rollback at Ground Level	43°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	62°
S ₄ Maximum Dump Angle at Full Height	45°

DIMENSIONS

E Ground Clearance	388 mm
G Wheelbase	3,290 mm
H Cab Height	3,447 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,670 mm
L Length with Bucket Down	8,335 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	6,651 mm
R ₂ Turning Radius, Outside of Tire	5,750 mm
W Width Over Bucket	2,920 mm

SERVICE CAPACITIES

Anti-freeze	40 L
Hydraulic Reservoir	105 L
Axle, Front / Rear	50 / 48 L
Transmission	16.5 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