LiuGong

848TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	282 kWh
OPERATING WEIGHT	18,591 kg
STANDARD BUCKET SIZE	2.7 m³
STANDARD BREAKOUT FORCE	141 kN
STANDARD DUMP CLEARANCE	2,811 mm



BATTERY ELECTRIC VEHICLE

TOUGH WORLD. TOUGH EQUIPMENT.

848TE SPECIFICATIONS

POWER BATTERY	
Battery Type	LFP
Rated Storage Energy	282 kWh
Nominal Voltage	614 V
System Voltage	DC24V
BMS Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charger	240 ~ 300 kW
Charging Time (300 kW Charging Power)	≤ 90 min

DRIVE MOTOR	
Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85℃
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR	
Peak Power	170 kW
Protection Level	IP67
Ambient Temperature	- 40 ~85℃
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	40.8 km/h
Maximum Travel Speed, rev	25 km/h
Transmission Type	Fixed-axis electronic control 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

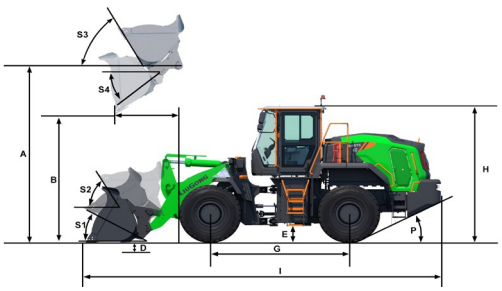
STEERING HYDRAULICS	
System	Large displacement steering
Steering Pump	Piston pump
Steering Relief Pressure	22 MPa

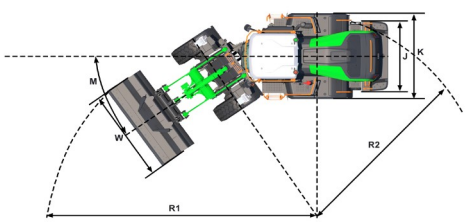
BRAKES	
Service Brake Type	Full hydraulic braking
Service Brake Actuation	Hydraulic wet brake
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic control

LOADER ARM PERFORMANCE	
Operating Weight	18,591 kg
Bucket Capacity	2.7 m³
Tipping Load - Straight	13,030 kg
Tipping Load - Full Turn	11,420 kg
Raise Time	5.6 s
Dump Time	2 s
Float Down Time	3 s
Fastest Total Cycle Time	10.6 s
Bucket Breakout Force	141 kN
A Maximum Hinge Pin Height	3,998 mm
B Dump Clearance at Full Height Discharge	2,811 mm
C Dump Reach at Full Height Discharge	1,146 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	59°
S_4 Maximum Dump Angle at Full Height	45°

DIMENSIONS	
E Ground Clearance	387 mm
G Wheelbase	3,290 mm
H Cab Height	3,415 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,670 mm
L Length with Bucket Down	8,274 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R_1 Turning Radius, Bucket Carry	6,072 mm
R_2 Turning Radius, Outside of Tire	5,58 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.

04/2025 Designed by LiuGong
Replace the previous versions of 04/2025