LiuGong

838TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	193 kWh
OPERATING WEIGHT	12,900 kg
STANDARD BUCKET SIZE	2.4 m^3
STANDARD BREAKOUT FORCE	125 kN
STANDARD DUMP CLEARANCE	2,950 mm



BATTERY ELECTRIC VEHICLE

TOUGH WORLD. TOUGH EQUIPMENT.

838TE SPECIFICATIONS >>>

POWER BATTERY	
Battery Type	LFP
Rated Storage Energy	193 kWh
Nominal Voltage	634 V
System Voltage	DC24V
BMS Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charger	120~240 kW
Charging Time (160kW Charging power)	≤ 70 min

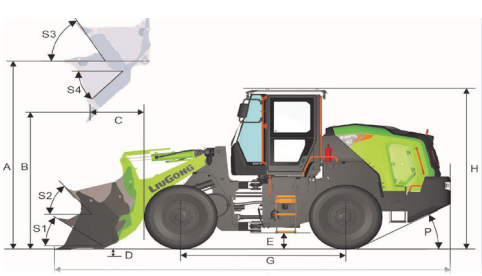
DRIVE MOTOR	
Peak Power	120 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85℃
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR	
Peak Power	95 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 / 1
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	15 km/h
Transmission Type	Planetary electronic control shift

AXLES	
Type	LiuGong dry axle
Axle Oscillation	± 10°
Tire Size	17.5-25 PR16 L-3 TT

WORKING HYDRAULICS	
System	Fixed single pump
Operation	Single electric-control joystick
Work Pump	Gear pump
Work Pressure	21 MPa



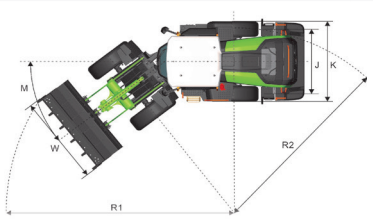
STEERING HYDRAULICS	
System	Large displacement steering
Steering Pump	Gear pump
Steering Relief Pressure	17.2 MPa

BRAKES	
Service Brake Type	Full hydraulic
Service Brake Actuation	Hydraulic dry brake
Parking Brake Type	Drum
Parking Brake Actuation	Hydraulic control

LOADER ARM PERFORMANCE	
Operating Weight	12,900 kg
Bucket Capacity	2.4 m^3
Tipping Load - Straight	10,870 kg
Tipping Load - Full Turn	9,530 kg
Raise Time	5.3 s
Dump Time	1.3 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.7 s
Bucket Breakout Force	125 kN
A Maximum Hinge Pin Height	3,851 mm
B Dump Clearance at Full Height Discharge	2,950 mm
C Dump Reach at Full Height Discharge	1,140 mm
D Maximum Digging Depth, Bucket Level	52 mm
S_1 Bucket Rollback at Ground Level	40°
S_2 Bucket Rollback at Carry	48°
S_3 Bucket Rollback at Maximum Height	53°
S_4 Maximum Dump Angle at Full Height	45°

DIMENSIONS	
E Ground Clearance	328 mm
G Wheelbase	3,020 mm
H Cab Height	3,270 mm
J Wheel Tread	1,950 mm
K Width Over Tires	2,395 mm
L Length with Bucket Down	7,506 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R_1 Turning Radius, Bucket Carry	6,218 mm
R_2 Turning Radius, Outside of Tire	5,540 mm
W Width Over Bucket	2,740 mm

SERVICE CAPACITIES	
Anti-freeze	45 L
Hydraulic Reservoir	90 L
Axle, Front / Rear	29/32 L
Transmission	16.5 L



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09/2024 Designed by LiuGong
Replace the previous versions of 07/2024

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.