LiuGong

838TE

BATTERY TYPE	LFP
RATED STORAGE ENERGY	193 kWh
OPERATING WEIGHT	12,900 kg
STANDARD BUCKET SIZE	2.3 m^3
STANDARD BREAKOUT FORCE	112 kN
STANDARD DUMP CLEARANCE	2,733 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	DC24 V
BMS Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charger	180 ~ 240 kW
Charging Time	≤ 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	16.7 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 pumps confluent
Operation	Single electric-control joystick
Work Pump	Gear pump
Work Pressure	26 MPa

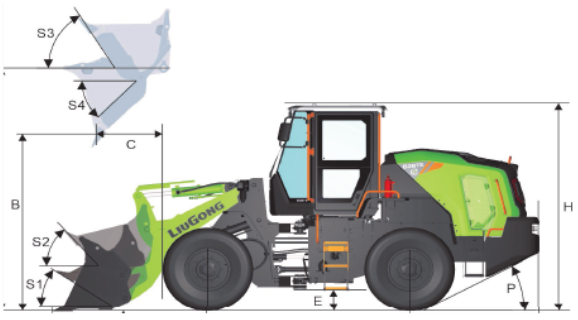
STEERING HYDRAULICS	
System	Large displacement steering
Steering Pump	Gear pump
Steering Relief Pressure	17.2 MPa

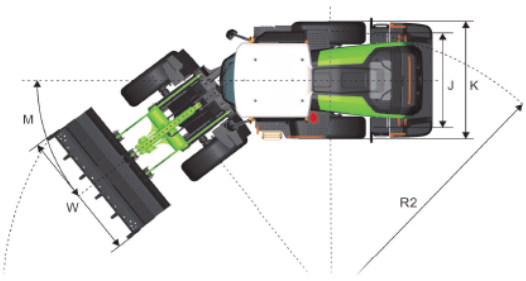
BRAKES	
Service Brake Type	Full hydraulic braking
Service Brake Actuation	Hydraulic dry brake
Parking Brake Type	Drum
Parking Brake Actuation	Hydraulic brake cylinder

LOADER ARM PERFORMANCE	
Operating Weight	12,900 kg
Bucket Capacity	2.3 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	112 kN
A Maximum Hinge Pin Height	3,851 mm
B Dump Clearance at Full Height Discharge	2,733 mm
C Dump Reach at Full Height Discharge	1,341 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	35 L
Hydraulic Reservoir	130 L
Axle, Front / Rear	22 / 22 L
Transmission	16.5 L





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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.