



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



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.

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°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR

Peak Power	95 kW
Protection Level	IP67
Ambient Temperature	- 40 ~85°C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5,000 m

TRANSMISSION

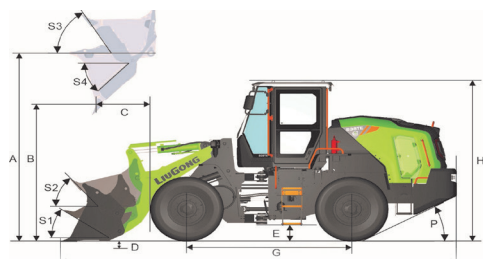
Manufacturer	LiuGong
Number of Speeds, fwd / rev	2 / 1
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	15 km/h
Transmission Type	Planetary electronic control shift

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

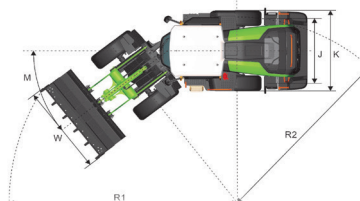
Operating Weight	12,900 kg
Bucket Capacity	2.4 m³
Tipping Load - Straight	10,870 kg
Tipping Load - Full Turn	9,530 kg
Raise Time	5.3 s
Dump Time	1.3 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.7 s
Bucket Breakout Force	125 kN
A Maximum Hinge Pin Height	3,851 mm
B Dump Clearance at Full Height 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



Corporate Office: LiuGong India Pvt. Ltd.

101, Okhla Industrial Estate, Phase III, New Delhi-110020
 Tel: 011-47272200 E: india@liugong.com
 www.liugongindia.com

Plant Address:

Plot No. 163, Industrial Area, Sector - III, Pithampur,
 Dist.- Dhar, Madhya Pradesh - 454774
 Tel : 07292-416700

Mera LiuGong Mera Vishwas

1800 1033 852

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.