



856HE

Battery Type
Rated Storage Energy
Operating Weight
Rated Load Capacity
Standard Bucket Size
Standard Breakout Force
Standard Dump Clearance

Lithium Iron Phosphate
350 kWh
19,971 kg
5,800 kg
3.5 m³
162 kN
2,977 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

856HE SPECIFICATIONS >>>

POWER BATTERY

Battery Type	Lithium Iron Phosphate
Rated Storage Energy	350 kWh
Nominal Voltage	580 V
System Voltage	DC24V
BMS Protection Level	IP67
Cooling Type	Intelligent Temperature Control, Liquid Cooling
Recommended Charger	240 kW
Charging Time	≤ 75 min

DRIVE MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85 °C
Cooling Type	Intelligent Temperature Control, Liquid Cooling
Altitude	≤ 4300 m

HYDRAULIC MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	- 40 ~85 °C
Cooling Type	Intelligent Temperature Control, Liquid Cooling
Altitude	≤ 4300 m

CABIN

LiuGong I-Link (Telematics)	Standard
Cabin Guard	Standard

TRANSMISSION SYSTEM

Make	LiuGong
Transmission Type	Planetary, Powershift
Number of Speed	Forward 2 / Reverse 1
Forward Speed F1/F2	13/40 Km/hr
Reverse R1	13 km/hr

AXLES

Type	LiuGong Dry Axle
Axle Oscillation	± 9.0°

TIRES

Tire Size	23.5-R25-PR20
Type	Radial & Tubeless

SERVICE CAPACITIES

Cooling System	40 L
Hydraulic Reservoir	230 L
Axle, Front / Rear	35 / 35 L
Transmission	30 L

BRAKES

Service Brake Type	Full Hydraulic
Service Brake Actuation	Hydraulic Dry Brake
Parking Brake Type	Drum
Parking Brake Actuation	Electro Hydraulic Control

STEERING HYDRAULICS

System	Flow Amplifier
Steering Pump	Piston Variable Pump
Steering Relief Pressure	21 MPa

WORKING HYDRAULICS

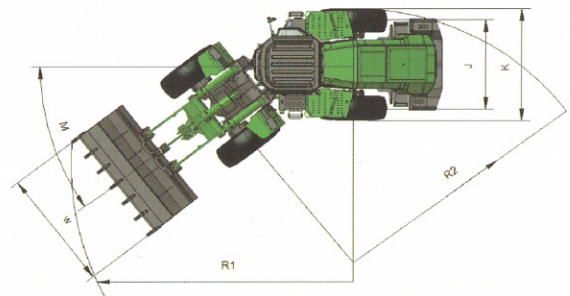
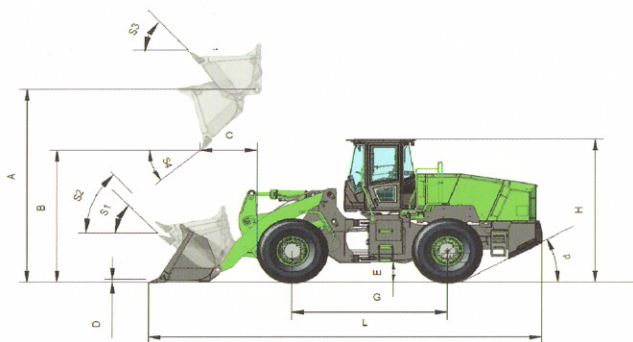
System	Fixed & Variable Dual Pump Confluent
Operation	Fingertip Control
Work Pump	Gear Pump
Work Pressure	25 MPa

LOADER ARM PERFORMANCE

Operating Weight	19,971 kg
Bucket Capacity	3.5 m³
Tipping Load - Full Turn	14,480 kg
Raise Time	5.2 s
Dump Time	1.5 s
Float Down Time	2.3 s
Fastest Total Cycle Time	9 s
Breakout Force	162 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Full Height Discharge	2,977 mm
C Dump Reach at Full Height Discharge	1,231 mm
D Maximum Digging Depth, Bucket Level	50.2 mm
S ₁ Bucket Rollback at Ground Level	44.3°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	56°
S ₄ Maximum Dump Angle at Full Height	45°

DIMENSIONS

E Ground Clearance	431 mm
G Wheelbase	3,525 mm
H Cab Height	3,500 mm
J Wheel Tread	2,280 mm
K Width Over Tires	2,880 mm
L Length with Bucket Down	8,615 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R ₂ Turning Radius, Bucket Carry	7,209 mm
R ₂ Turning Radius, Outside of Tire	6,625 mm
W Width Over Bucket	2,976 mm



Corporate office
LiuGong India Pvt. Ltd.

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

Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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