

 **LIUGONG**

# 870HE

<b>BATTERY TYPE</b>	LFP
<b>RATED STORAGE ENERGY</b>	423 kWh
<b>OPERATING WEIGHT</b>	24,640 kg
<b>STANDARD BUCKET SIZE</b>	4.7 m <sup>3</sup>
<b>STANDARD BREAKOUT FORCE</b>	221 kN
<b>STANDARD DUMP CLEARANCE</b>	3,101 mm



BATTERY ELECTRIC VEHICLE

TOUGH WORLD. TOUGH EQUIPMENT.

# 870HE

## SPECIFICATIONS >>>

POWER BATTERY	
Battery Type	LFP
Rated Storage Energy	423 kWh
Nominal Voltage	618 V
System Voltage	DC 24 V
Battery Box Protection Level	IP68
Cooling Type	Intelligent temperature control liquid cooling
Recommended Charging Pile	120 ~ 320 kW
Charging Time (240kW Charging Pile)	≤ 95 min (SOC12% ~ 95%)

DRIVE MOTOR	
Peak Power	160 kW
Protection Level	IP68
Ambient Temperature	-40 ~ 85°C
Cooling Type	Intelligent temperature control liquid cooling
Altitude	≤ 5,000 m

HYDRAULIC MOTOR	
Peak Power	160 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	14 km/h
Transmission Type	Planetary, electronic control shift

AXLES	
Type	LiuGong wet axle
Axle Oscillation	± 9.5°
Tire Size	26.5R25 ★ L-3

WORKING HYDRAULICS	
System	Variable displacement dual pump flow combination
Operation	Electric-control joystick
Work Pump	Variable displacement piston pump
Work Pressure	28 MPa

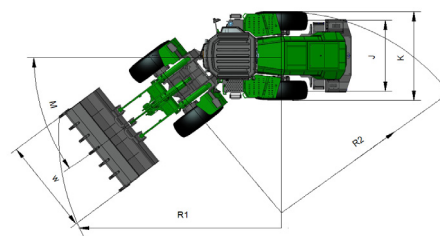
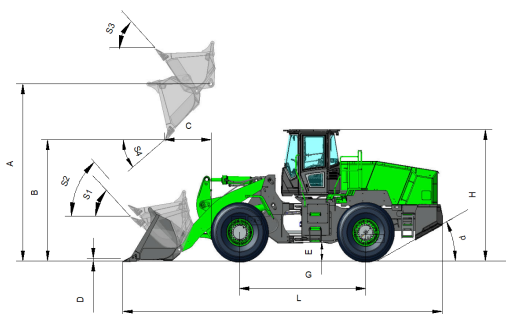
STEERING HYDRAULICS	
System	Flow amplification
Steering Pump	Variable displacement piston pump
Steering Relief Pressure	21 MPa

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

PERFORMANCES / STANDARD BOOM / 4.7 m³ / BOCE	
Operating Weight	24,640 kg
Bucket Capacity	4.7 m³
Tipping Load - Straight	19,000 kg
Tipping Load - Full Turn	16,800 kg
Raise Time	5.2 s
Dump Time	1.3 s
Float Down Time	3.0 s
Fastest Total Cycle Time	9.5 s
Bucket Breakout Force	221 kN
A Maximum Hinge Pin Height	4,470 mm
B Dump Clearance at Full Height Discharge	3,101 mm
C Dump Reach at Full Height Discharge	1,257 mm
D Maximum Digging Depth, Bucket Level	60 mm
S <sub>1</sub> Bucket Rollback at Ground Level	45°
S <sub>2</sub> Bucket Rollback at Carry	50°
S <sub>3</sub> Bucket Rollback at Maximum Height	58°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

DIMENSIONS	
E Ground Clearance	424 mm
G Wheelbase	3,715 mm
H Cab Height	3,550 mm
J Wheel Tread	2,300 mm
K Width over Tires	2,995 mm
L Length with Bucket Down	9,145 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R <sub>1</sub> Turning Radius, Bucket Carry	7,577 mm
R <sub>2</sub> Turning Radius, Outside of Tire	6,946 mm
W Width over Bucket	3,210 mm

SERVICE CAPACITIES	
Cooling System	45 L
Hydraulic Reservoir	284 L
Axle, Front / Rear	63 / 63 L
Transmission	23 L



Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China  
T: +86 772 3886124 E: overseas@liugong.com  
www.liugong.com

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.

04/2026 Designed by LiuGong  
Replace the previous versions of 04/2026