



Engine	Cummins L9
Rated Power	210 kW (282 hp / 286 ps) @ 2,200 rpm
Operating Weight	26,050 kg
Standard Bucket Size	4.2 m ³
Standard Breakout Force	170 kN
Standard Dump Clearance	3,178 mm

870T WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

870T SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Manufacturer	Cummins
Model	L9
Rated Power	210 kW (282 hp / 286 ps) @ 2,200 rpm
Peak Torque	1,245 N.m @ 1,200 -1,600 rpm
Displacement	8.9 L
Number of Cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Countershaft, powershift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38 km/h
Maximum Travel Speed, rev	24.8 km/h
Number of Speed, fwd	4
Number of Speed, rev	3

AXLES

Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±10°

STEERING

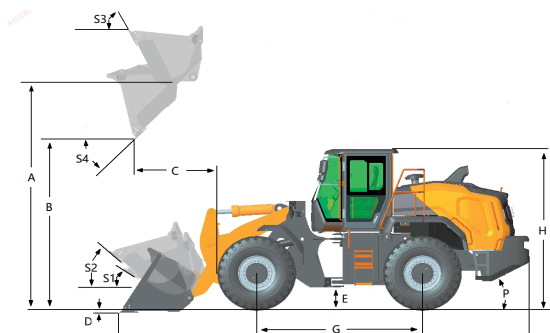
Steering Hydraulic System	Flow amplifying
Steering Relief Pressure	25 MPa

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Full hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	30 MPa
Raise	5.8 s
Dump Time	1.3 s
Float Down Time	3.5 s
Hydraulic Cycle Time	10.6 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 4.2 m³

Tipping Load - Straight (ISO 14397-1:2007)	18,700 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	16,800 kg
Bucket Breakout Force	170 kN
A Maximum Hinge Pin Height	4,626 mm
B Dump Clearance at Full Height Discharge	3,178 mm
C Dump Reach at Full Height Discharge	1,177 mm
D Maximum Digging Depth, Bucket Level	141 mm
S ₁ Rollback at Ground Level	46.2°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	59.5°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	3.0~7.0 m³
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DIMENSIONS

E Ground Clearance	460 mm
G Wheelbase	3,550 mm
H Cab Height	3,485 mm
J Wheel Tread	2,300 mm
K Width over Tires	2,975 mm
L Length with Bucket Down	9,239 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	29°
R ₁ Turning Radius, Bucket Carry	7,585 mm
R ₂ Turning Radius, Outside of Tire	6,796 mm
W Width over Bucket	3,210 mm

TIRES

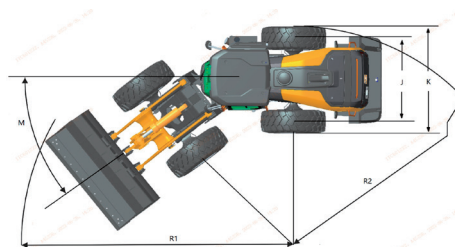
Tire Size	26.5R25 ★★ L-5
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OPERATING WEIGHTS

Operating Weight	26,050 kg
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SERVICE CAPACITY

Fuel Tank	330 L
Engine Oil	26 L
Cooling System	35 L
Hydraulic System	270 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	64 L / 62 L



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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. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

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