



Engine	Cummins B6.7
Max. Gross Power	183 kW (245 hp / 249 ps) @ 1,030 rpm
Max. Net Power	172 kW (231 hp / 234 ps) @ 1,030 rpm
Operating Weight	20,150 kg (44,423 lbs)
Standard Bucket Size	3.2 m ³ (4.2 yd ³)
Standard Breakout Force	153 kN (34,396 lbf)
Standard Dump Clearance	2,862 mm (9'5")

856H WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

856H SPECIFICATIONS >>>

ENGINE

Emission Regulation	EU Stage V
Manufacturer	Cummins
Model	B6.7
Max Gross Power	183 kW (245 hp / 249 ps) @ 1,700 rpm
Max Net Power	172 kW (231 hp / 234 ps) @ 1,700 rpm
Peak Torque	1,186 N · m @ 1,300 rpm (874.7 lbf-ft @ 1,300 rpm)
Displacement	6.7 L (1.77 gal)
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Max Travel Speed, fwd	38 km/h (23.5 mph)
Max Travel Speed, rev	25.3 km/h (15.7 mph)
Number of Speed, fwd	4
Number of Speed, rev	3

AXLES

Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±12°

STEERING

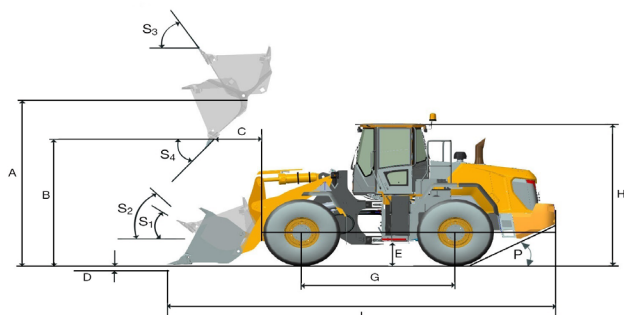
Steering Configuration	Articulated
Steering Relief Pressure	18 MPa (2,611 psi)

BRAKES

Service Brake Type	Wet disc brake
Service Brake Actuation	Fully hydraulic
Parking Brake Type	Cylinder
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	22 MPa (3,191 psi)
Raise Time	5.3 s
Tilt Time	1.4 s
Float Down Time	3.5 s
Total Cycle Time	10.2 s



LOADER ARM PERFORMANCE with Standard Bucket 3.2 m³ (4.2 yd³)

Tipping Load - Straight(ISO 14397-1:2007)	15,715 kg (34,646 lbs)
Tipping Load - Full Turn(ISO 14397-1:2007)	13,647 kg (30,086 lbs)
Bucket Breakout Force	153 kN (34,396 lbf)
A Maximum Hinge Pin Height	4,156 mm (13'7")
B Dump Clearance at Full Height Discharge	2,862 mm (9'5")
C Dump Reach at Full Height Discharge	1,207 mm (3'11")
D Maximum Digging Depth, Bucket Level	150 mm (6")
S ₁ Bucket Rollback at Ground Level	42.7°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	62.3°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	3-6 m³ (3.9 -7.8 yd³)
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DIMENSIONS

E Ground Clearance	431 mm (1'4")
G Wheelbase	3,320 mm (10'10")
H Cab Height	3,450 mm (11'3")
J Wheel Tread	2,150 mm (7')
K Width Over Tires	2,750 mm (9')
L Length with Bucket Down	8,303 mm (27'3")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	6,887 mm (22'7")
R ₂ Turning Radius, Outside of Tire	6,195 mm (20'4")
W Width Over Bucket	2,928 mm (9'7")

TIRES

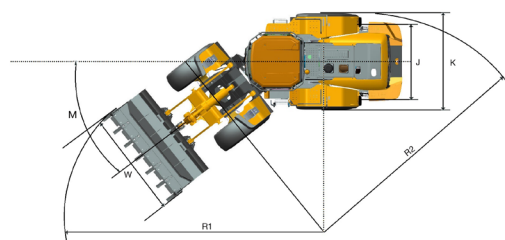
Tire Size	23.5R25 ★ L-3
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OPERATING WEIGHTS

Operating Weight	20,150 kg (44,423 lbs)
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SERVICE CAPACITY

Fuel Tank	270 L (71.3 gal)
Engine Oil	18 L (4.8 gal)
Cooling System	44 L (11.6 gal)
Hydraulic System	252 L (66.5 gal)
Transmission and Torque Converter	35 L (9.2 gal)
Axles, F/R	44(43) / 44(48) L 11.6(11.4) / 11.6(12.7) gal
Aftertreatment DEF	49 L (12.9 gal)



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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.

05/2023 Designed by LiuGong
Replace the previous versions of 02/2022