



Engine	Cummins B6.7
Max. Gross Power	183 kW (245 hp / 249 ps) @ 1,700 rpm
Rated Net Power	168 kW (225 hp / 228 ps) @ 2,000 rpm
Operating Weight	19,800 kg (41,006 lbs)
Bucket Size	3.1 m ³ (4.1 yd ³)
Standard Breakout Force	185 kN (41,590 lbf)
Standard Dump Clearance	3,471 mm (11'5")

856H

WHEEL LOADER

HIGHLIFT BOOM

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
Rated Net Power	168 kW (225 hp / 228 ps) @ 2,000 rpm
Peak Torque	1,186 N · m
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 (23.6 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

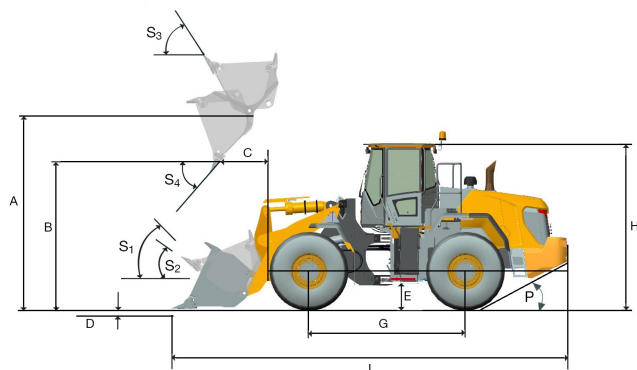
Steering Configuration	Articulated
Steering Relief Pressure	18 MPa (2,611 psi)

BRAKES

Service Brake Type	Wet disc brake
Service Brake Actuation	Fully hydraulic
Parking Brake Type	Manual electronic control
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 Bucket 3.1 m³

Tipping Load - Straight (ISO 14397-1:2007)	14,060 kg (30,997 lbs)
Tipping Load - Full Turn (ISO 14397-1:2007)	12,210 kg (26,918 lbs)
Bucket Breakout Force	185 kN (41,590 lbf)
A Maximum Hinge Pin Height	4,558 mm (14'11")
B Dump Clearance at Full Height Discharge	3,471 mm (11'5")
C Dump Reach at Full Height Discharge	1,082 mm (3'7")
D Maximum Digging Depth, Bucket Level	50 mm (2")
S ₁ Bucket Rollback at Ground Level	44.3°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	57.3°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	2.6-5.6 m³ (3.4 - 7.3 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	8,669 mm (28'5")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	7,076 mm (23'3")
R ₂ Turning Radius, Outside of Tire	6,158 mm (20'2")
W Width Over Bucket	2,928 mm (9'7")

TIRES

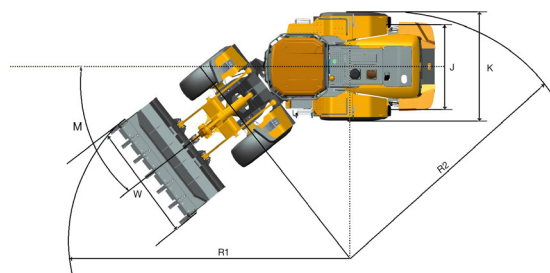
Tire Size	23.5 R 25
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OPERATING WEIGHTS

Operating Weight	19,800 kg (41,006 lbs)
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SERVICE CAPACITY

Fuel Tank	270 L (71 gal)
Engine Oil	18 L (4.8 gal)
Cooling System	44 L (12 gal)
Hydraulic System	252 L (67 gal)
Transmission and Torque Converter	35 L (9 gal)
Axles, Each	44 L (12 gal)
Aftertreatment DEF	49.2 L (13 gal)



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

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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.