



<b>Engine</b>	Cummins 6LT9.3
<b>Rated Power</b>	162 kW (217 hp / 220 ps) @ 2,000 rpm
<b>Net Power</b>	152 kW (204 hp / 207 ps) @ 2,000 rpm
<b>Operating Weight</b>	17,250 kg
<b>Standard Bucket Size</b>	3.3 m <sup>3</sup>
<b>Standard Breakout Force</b>	181 kN
<b>Standard Dump Clearance</b>	2,978 mm

# 856H WHEEL LOADER

# 856H SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LT9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,000 rpm
Net Power	152 kW (204 hp / 207 ps) @ 2,000 rpm
Peak Torque	980 N · m @ 1,400 rpm
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air inter-cooled

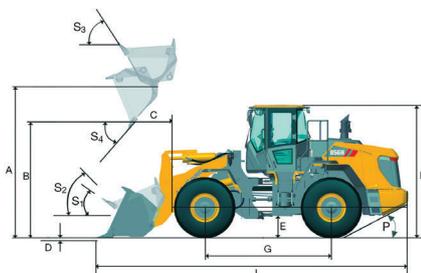
TRANSMISSION	
Transmission Type	Planetary power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	36 km/h
Maximum Travel Speed, rev	15 km/h
Number of Speed, fwd	2
Number of Speed, Rev	1

AXLES	
Differential Front Type	Open differential
Differential Rear Type	Open differential
Axle Oscillation	±10°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	16.5 MPa

BRAKES	
Service Brake Type	Caliper discs brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	20.7 MPa
Raise	5.2 s
Dump Time	1.3 s
Float Down Time	3.0 s
Fastest Total Cycle Time	10.0 s



LOADER ARM PERFORMANCE with Standard Bucket 3.3 m <sup>3</sup>	
Tipping Load - Straight (ISO 14397-1:2007)	13,700 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	11,950 kg
Bucket Breakout Force	181 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Clearance at Full Height Discharge	2,978 mm
C Dump Reach at Full Height Discharge	1,231 mm
D Maximum Digging Depth, Bucket Level	50 mm
S <sub>1</sub> Bucket Rollback at Ground Level	44°
S <sub>2</sub> Bucket Rollback at Carry	49°
S <sub>3</sub> Bucket Rollback at Maximum Height	57°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

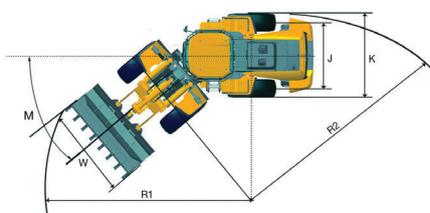
BUCKET PERFORMANCE	
Reference Bucket	2.7-5.6 m <sup>3</sup>

DIMENSIONS	
E Ground Clearance	431 mm
G Wheelbase	3,320 mm
H Cab Height	3,500 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,750 mm
L Length with Bucket Down	8,390 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R <sub>1</sub> Turning Radius, Bucket Carry	6,903 mm
R <sub>2</sub> Turning Radius, Outside of Tire	6,205 mm
W Width Over Bucket	2,970 mm

TIRES	
Tire Size	23.5-25PR16

OPERATING WEIGHTS	
Operating Weight	17,250 kg

SERVICE CAPACITY	
Fuel Tank	280 L
Engine Oil	26 L
Cooling System	36 L
Hydraulic System	225 L
Transmission and Torque Converter	45 L
Axles, Front/Rear	33 L / 33 L



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