



Engine	Cummins 6LTAA9.3
Gross Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	149 kW (200 hp / 202 ps) @ 2,200 rpm
Operating Weight	17,000 kg
Standard Bucket Size	3.0 m ³
Standard Breakout Force	172 kN
Standard Dump Clearance	3,100 mm

856H WHEEL LOADER

856H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LTA A9.3
Gross Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	149 kW (200 hp / 202 ps) @ 2,200 rpm
Peak Torque	940 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air inter-cooled

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	25 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±12°

STEERING

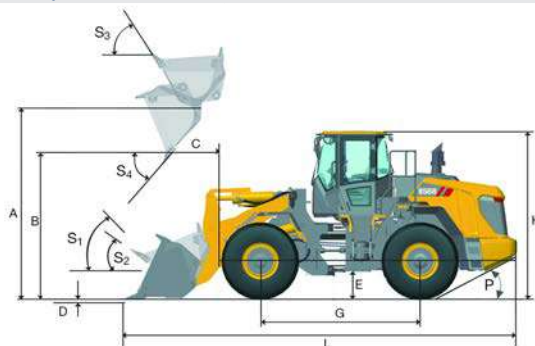
Steering Configuration	Articulated
Steering Relief Pressure	18 MPa

BRAKES

Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Flexible shaft control
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	20.7 MPa
Raise	5.7 s
Dump Time	1.3 s
Float Down Time	3 s
Fastest Total Cycle Time	10 s



LOADER ARM PERFORMANCE with Standard Bucket 3.0 m³

Tipping Load - Straight (ISO 14397-1:2007)	12,400 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	10,800 kg
Bucket Breakout Force	172 kN
A Maximum Hinge Pin Height	4,159 mm
B Dump Clearance at Full Height Discharge	3,100 mm
C Dump Reach at Full Height Discharge	1,126 mm
D Maximum Digging Depth, Bucket Level	80 mm
S ₁ Bucket Rollback at Ground Level	42°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	58°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	2.6 - 5.6 m³
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DIMENSIONS

E Ground Clearance	431 mm
G Wheelbase	3,320 mm
H Cab Height	3,450 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,750 mm
L Length with Bucket Down	8,357 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	27°
R ₁ Turning Radius, Bucket Carry	6,914 mm
R ₂ Turning Radius, Outside of Tire	6,205 mm
W Width Over Bucket	2,976 mm

TIRES

Tire Size	23.5 - 25
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OPERATING WEIGHTS

Operating Weight	17,000 kg
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SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	20 L
Cooling System	52 L
Hydraulic System	236 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	33 L / 36 L

