

Engine	Cummins 6LTAA9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	154 kW (209 hp) @ 2,200 rpm
Operating Weight	17,000 kg
Standard Bucket Size	3 m ³
Standard Breakout Force	172 kN
Standard Dump Clearance	3,100 mm

856H

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

856H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LTAA9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	154 kW (209 hp) @ 2,200 rpm
Peak Torque	940 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

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

STEERING

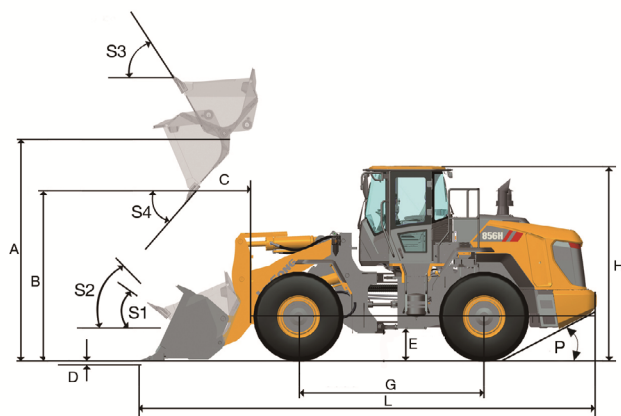
Steering Configuration	Articulated
Steering Relief Pressure	18 MPa

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Hydraulic
Parking Brake Type	Manual electronic control
Parking Brake Actuation	Hydraulic

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

Tipping Load - Straight	12,400 kg
Tipping Load - Full Turn	10,800 kg
Bucket Breakout Force	172 kN
A Maximum Hinge Pin Height	4,150 mm
B Dump Clearance at Full Height Discharge	3,100 mm
C Dump Reach at Full Height Discharge	1,050 mm
D Maximum Digging Depth, Bucket Level	35 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	8,253 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

TIRES

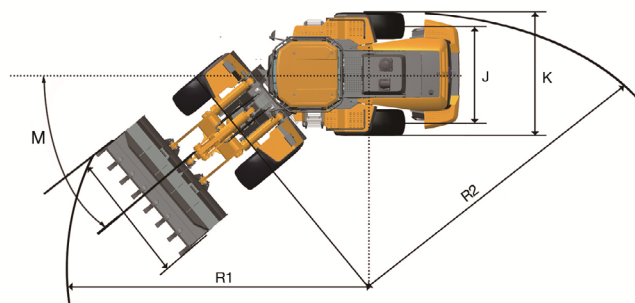
Tire Size	23.5 - 25
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OPERATING WEIGHTS

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, Each	44 L



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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