

Engine	Cummins 6LT9.3
Gross Power	162 kW (220 hp) @ 2,000 rpm
Net Power	156 kW (212 hp) @ 2,000 rpm
Operating Weight	17,180 kg
Standard Bucket Size	3.3 m ³
Standard Breakout Force	181 kN
Standard Dump Clearance	3,057 mm

856H

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

856H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Maker	Cummins
Model	6LT9.3
Gross Power	162 kW (220 hp) @ 2,000 rpm
Net Power	156 kW (212 hp) @ 2,000 rpm
Peak Torque	1006 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged

TRANSMISSION

Transmission Type	Planetary type, 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	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±10°

STEERING

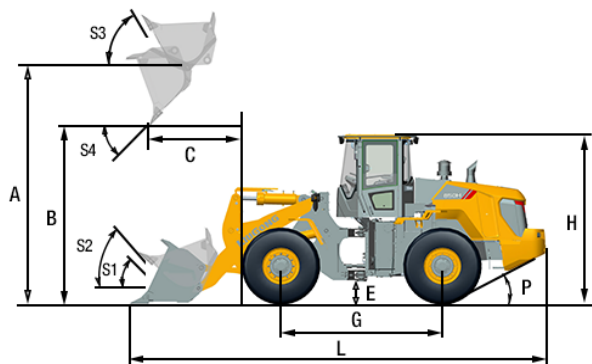
Steering Configuration	Articulated
Steering Relief Pressure	16.5 MPa

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	3.0 s
Fastest Total Cycle Time	10 s



LOADER ARM PERFORMANCE with Standard Bucket 3.3 m³

Tipping Load - Straight (ISO 14397-1:2007)	13,500 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	11,760 kg
Bucket Breakout Force	181 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Clearance at Full Height Discharge	3,057 mm
C Dump Reach at Full Height Discharge	1,150 mm
D Maximum Digging Depth, Bucket Level	50 mm
S ₁ Bucket Rollback at Ground Level	44°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	57°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	2.7 - 5.6 m³
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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	8,285 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R ₁ Turning Radius, Bucket Carry	6,836 mm
R ₂ Turning Radius, Outside of Tire	6,200 mm
W Width Over Bucket	2,970 mm

TIRES

Tire Size	23.5 - 25PR16
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OPERATING WEIGHTS

Operating Weight	17,180 kg
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SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	22 L
Cooling System	42 L
Hydraulic System	225 L
Transmission and Torque Converter	45 L
Axles, Front/Rear	33 L / 33 L

