

Engine	Cummins Stage III
Gross Power	162 kW (217 hp) @ 2,200 rpm
Net Power	149 kW (199 hp) @ 2,200 rpm
Operating Weight	17,000 kg
Standard Bucket Size	3.5 m ³
Standard Breakout Force	172 kN
Standard Dump Clearance	3,100 mm

856H

**HIGH SPEC
WHEEL LOADER**



TOUGH WORLD. TOUGH EQUIPMENT.

856H HIGH SPECIFICATIONS >>>

HS = High Specification Inclusions

ENGINE

HS Emission Regulation	Stage III
Make	Cummins
Model	6LTAA9.3
Gross Power	162 kW (217 hp) @ 2,200 rpm
Net Power	149 kW (199 hp) @ 2,200 rpm
Peak Torque	940 N · m
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled
HS Cooling	Hydraulic Bi-directional

TRANSMISSION

HS Transmission Type	Countershaft, power shift, ZF-208A
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
HS Transmission System	Variable hydraulic

AXLES

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

CONTROL

Steering Configuration	Articulated
Steering Relief Pressure	18 MPa
Joystick	Single
HS Steering System	Emergency

BRAKES

HS Service Brake Type	ZF Wet disc axle AP3000
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
Hydraulic System Type	Variable

CAB

HS A/C	ROPS/FOPS FNR Ride Control
HS Seat	Air Suspension

INCLUDED EXTRAS

HS Auto Lubrication	
HS Rear View Camera	

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°
Valve	3 Spool

BUCKET PERFORMANCE

HS Reference Bucket	3.5 m ³ quick hitch bolt-on cutting edge
Bucket Attachment	Quick Coupler

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	6,896 mm
R ₂ Turning Radius, Outside of Tire	6,205 mm
W Width Over Bucket	2,976 mm

TYRES

Tyre Size	23.5 - 25
HS Tyre Type	Radial

OPERATING WEIGHTS

Operating Weight	17,000 kg
HS Counter Weight	Additional 450 kg

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

