



<b>Engine</b>	Cummins QSL9.3
<b>Rated Power</b>	162 kW (217 hp / 220 ps) @ 2,200 rpm
<b>Net Power</b>	162 kW (217 hp / 220 ps) @ 2,200 rpm
<b>Operating Mass</b>	19,500 kg
<b>Standard Bucket Size</b>	3.5 M <sup>3</sup>
<b>Standard Breakout Force</b>	161 kN
<b>Standard Dump Clearance</b>	2,978 mm

# HIGH SPEC 856H WHEEL LOADER

**TOUGH WORLD. TOUGH EQUIPMENT.**

## ENGINE

Emission Regulation	Tier 3/ Stage III
Manufacturer	Cummins
Model	QSL9.3
Rated Power	162 kW(217 hp/220ps)@2,200 rpm
Net Power	162 kW(217hp/207ps)@2,200 rpm
Peak Torque	984 Nm @ 1,300 rpm
Displacement	9.3 Litre
Number of cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

## TRANSMISSION

Transmission Type	Electro-hydraulic powershift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38 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	±11°

## STEERING

Steering Configuration	Piston
Steering Pressure Relief	18 MPa

## BRAKES

Service Brake Type	Wet disc brake
Service Brake Actuation	Hydraulic
Park Brake Type	Drum
Park Brake Actuation	Electro-hydraulic release

## HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	22 Mpa
Raise	5 s
Dump Time	1.5 s
Float Down Time	3.6 s
Fastest Total Cycle Time	10.1 s

## INCLUSIONS

Auto greaser	Emergency steering	Additional counterweight	Rear view Camera
Ride control	Air seat	Radial Tyres	

## LOADER ARM PERFORMANCE WITH STANDARD BUCKET 3.5 M³

Tipping Load-Straight (ISO 14397-1:2007)	12,700 kg
Tipping Load-Full Turn(ISO 14397-1:2007)	11,063 kg
Bucket Breakout Force	161 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
S1. Bucket Roll back at Ground Level	44°
S2. Bucket Roll Back at Carry	49°
S3. Bucket Roll Back at Maximum Height	57°
S4. Maximum Dump Angle at Full Height	45°

## BUCKET PERFORMANCE

Reference Bucket	3.5 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 Tyres	2,750 mm
L. Length with Bucket Down	8,560 mm
M. Turn Angle, Either Side	38°
P. Rear Angle of Departure	27°
R1. Turning Radius, Bucket Carry	6,903 mm
R2. Turning Radius, Outside of Tyre	6,205 mm

## TYRES

Tyre Size	23.5R25
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## OPERATING WEIGHT

Operating Weight	19,500 kg
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## SERVICE CAPACITY

Fuel Tank	270 L
Engine Oil	26 L
Cooling System	50 L
Hydraulic system	225 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	50 L/ 48 L

