



Engine	Cummins QSL9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Operating Mass	18,425 kg
Standard Bucket Size	3.5 M ³
Standard Breakout Force	161 kN
Standard Dump Clearance	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

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

OPERATING WEIGHT	
Operating Weight	18,425 kg

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

