

Engine	Cummins QSM11
Gross Power	261 kW (350 hp) @ 2,100 rpm
Net Power	248 kW (332 hp) @ 2,100 rpm
Operating Weight	30,400 kg
Standard Bucket Size	5.4 m ³
Standard Breakout Force	245 kN
Standard Dump Clearance	3,330 mm

890H

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

890H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3/Stage IIIA
Make	Cummins
Model	QSM11
Gross Power	261 kW (350 hp) @ 2,100 rpm
Net Power	248 kW (332 hp) @ 2,100 rpm
Peak Torque	1,776 N · m
Displacement	10.8 L
Number of Cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38.2 km/h
Maximum Travel Speed, rev	26.5 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES

Differential Front Type	Differential Hydraulic Limited
Differential Rear Type	Conventional
Axle Oscillation	± 13°

STEERING

Steering Configuration	Articulated
Steering Relief Pressure	21 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	Piston
Main Relief Pressure	26 MPa
Raise	6 s
Dump Time	1.6 s
Float Down Time	3.4 s
Fastest Total Cycle Time	11 s

LOADER ARM PERFORMANCE

Tipping Load - Straight	25,827 kg
Tipping Load - Full Turn	22,582 kg
Bucket Breakout Force	245 kN
A Maximum Hinge Pin Height	4,572 mm
B Dump Clearance at Full Height Discharge	3,330 mm
C Dump Reach at Full Height Discharge	1,479 mm
D Maximum Digging Depth, Bucket Level	142 mm
S ₁ Bucket Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	62°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	4.5 - 9.0 m³
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DIMENSIONS

E Ground Clearance	476 mm
G Wheelbase	3,700 mm
H Cab height	3,765 mm
J Wheel Tread	2,420 mm
K Width Over Tires	3,170 mm
L Length with Bucket Down	9,352 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	25°
R ₁ Turning Radius, Bucket Carry	7,725 mm
R ₂ Turning Radius, Outside of Tire	7,011 mm

TIRES

Tire Size	29.5 - 25
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OPERATING WEIGHTS

Operating Weight	30,400 kg
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SERVICE CAPACITY

Fuel Tank	483 L
Engine Oil	33 L
Cooling System	41 L
Hydraulic Reservoir	402 L
Transmission and Torque Converter	70 L
Axles, each	65 L

