

Engine	Cummins QSG12
Max Gross Power	276 kW (370 hp) @ 2,100 rpm
Max Net Power	262 kW (352 hp) @ 2,100 rpm
Operating Weight	30,800 kg
Standard Bucket Size	5.4 m <sup>3</sup>
Standard Breakout Force	245 kN
Standard Dump Clearance	3,330 mm

# 890H WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

# 890H SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 4 Final / Stage IV
Make	Cummins
Model	QSG12
Max Gross Power	276 kW (370 hp) @ 2,100 rpm
Max Net Power	262 kW (352 hp) @ 2,100 rpm
Peak Torque	1,693 N·m @1,400 rpm
Displacement	11.8 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	±11°

## STEERING

Steering Configuration	Articulated
Steering Relief Pressure	20.7 MPa

## BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Hydraulic
Parking Brake Type	Mechanical control
Parking Brake Actuation	Hydraulic

## HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	26 MPa
Raise	6 sec
Dump Time	1.6 sec
Float Down Time	3.4 sec
Fastest Total Cycle Time	11 sec

## LOADER ARM PERFORMANCE

Tipping Load - Straight	23,878 kg
Tipping Load - Full Turn	20,600 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 <sub>1</sub> Bucket Rollback at Ground Level	45°
S <sub>2</sub> Bucket Rollback at Carry	49°
S <sub>3</sub> Bucket Rollback at Maximum Height	62°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

## BUCKET PERFORMANCE

Reference Bucket	4.5-9 m <sup>3</sup>
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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 <sub>1</sub> Turning Radius, Bucket Carry	7,725 mm
R <sub>2</sub> Turning Radius, Outside of Tire	7,011 mm

## TIRES

Tire Size	29.5 R 25
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## OPERATING WEIGHTS

Operating Weight	30,800 kg
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## SERVICE CAPACITY

Fuel Tank	485 L
Engine Oil	35 L
Cooling System	45 L
Hydraulic Reservoir	255 L
Transmission and Torque Converter	50 L
Axles, each	65 L
Aftertreatment DEF	50 L

