

Engine	Cummins III
Max Gross Pow	119 kW (160 hp) @ 2,200 rpm
Max Net Power	108 kW (145 hp) @ 2,200 rpm
Operating Weight	14,200 kg
Standard Bucket Size	3 m ³
Maximum Breakout Force	136 kN
Standard Dump Clearance	2,892 mm

848H WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

848H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Stage III
Make	Cummins
Max Gross Power	119 kW (160 hp) @ 2,200 rpm
Max Net Power	108 kW (145 hp) @ 2,200 rpm
Peak Torque	732 N · m @ 1,400 rpm
Displacement	6.7 L
Number of Cylinders	6
Aspiration	Turbocharged & air-to-air intercooled
Cooling	Hydraulic Bi-directional

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single-stage, three-element
Maximum Travel Speed, Fwd	39 km/h
Maximum Travel Speed, Rev	24.2 km/h
Number of Speeds, Fwd	4
Number of Speeds, Rev	3

AXLES

Differential Front Type	Limited slip differential
Differential Rear Type	Limited slip differential
Axle Oscillation	±12°

CONTROL

Steering Configuration	Articulated
Steering Relief Pressure	18 Mpa
Joystick	Single
Steering System	Emergency

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	21 Mpa
Raise	4.8 sec
Dump Time	1.1 sec
Float Down Time	3.0 sec
Fastest Total Cycle Time	8.9 sec

CAB

A/C	Detachable Cab ROPS/FOPS FNR Ride Control
Seat	Air Suspension

INCLUDED EXTRAS

Auto Lubrication
Rear View Camera

OPTIONAL EXTRAS

Radial Tyres

LOADER ARM PERFORMANCE with Standard Bucket 2.5 m³

Tipping Load - Straight(ISO 14397-1:2007)	10,200 kg
Tipping Load - Full Turn(ISO 14397-1:2007)	9,600 kg
Bucket Breakout Force	136 kN
A Maximum Hinge Pin Height	3,937 mm
B Dump Clearance at Full Height Discharge	2,892 mm
C Dump Reach at Full Height Discharge	989 mm
D Maximum Digging Depth, Bucket Level	70 mm
S ₁ Bucket Rollback at Ground Level	43°
S ₂ Bucket Rollback at Carry	48°
S ₃ Bucket Rollback at Maximum Height	63°
S ₄ Maximum Dump Angle at Full Height	45°
Valve	3 Spool

BUCKET PERFORMANCE

Reference Bucket	3 m ³ quick hitch bolt-on cutting edge
Bucket attachment	Quick Coupler

DIMENSIONS

E Ground Clearance	366 mm
G Wheelbase	3,050 mm
H Cab Height	3,310 mm
J Wheel Tread	2,050 mm
K Width Over Tires	2,548 mm
L Length with Bucket Down	7,815 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	6,200 mm
R ₂ Turning Radius, Outside of Tire	5,460 mm
W Width Over Bucket	-, -0 mm

TYRES

Tyre Size	20.5-25PR16
Tyre Type	Bias, Tubeless

OPERATING WEIGHTS

Operating Weight	14,200 kg
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SERVICE CAPACITY

Fuel Tank	240 L
Engine Oil	15 L
Cooling System	33 L
Hydraulic Reservoir	180 L
Transmission and Torque Converter	40 L
Axle, Front	36 L
Axle, Rear	42 L

