

Engine	Cummins 6LT9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	146 kW (199 hp) @ 2,200 rpm
Operating Weight	16,700 kg
Standard Bucket Size	2.7 m ³
Standard Breakout Force	167 kN
Standard Dump Clearance	3,120 mm

855N WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

855N SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6LT9.3
Gross Power	162 kW (220 hp) @ 2,200 rpm
Net Power	146 kW (199 hp) @ 2,200 rpm
Peak Torque	890 N · m
Displacement	9.3 L
Number of Cylinders	6
Aspiration	Turbocharged

TRANSMISSION

Transmission Type	Planetary type, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	16 km/h
Number of Speeds, fwd	2
Number of Speeds, rev	1

AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±10.5°

STEERING

Steering Configuration	Articulated
Steering Relief Pressure	16 MPa

BRAKES

Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Flexible shaft control
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	18 MPa
Raise	5.7 s
Dump Time	1.5 s
Float Down Time	3.5 s
Fastest Total Cycle Time	10.7 s

LOADER ARM PERFORMANCE

Tipping Load - Straight	11,500 kg
Tipping Load - Full Turn	9,900 kg
Bucket Breakout Force	167 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	3,120 mm
Dump Reach at Full Height Discharge	1,085 mm
Maximum Hinge Pin Height	4,165 mm
Maximum Digging Depth, Bucket Level	53 mm
Bucket Rollback at Ground Level	44°
Bucket Rollback at Carry	49°
Bucket Rollback at Maximum Height	59°

BUCKET PERFORMANCE

Reference Bucket	2.7 m ³
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DIMENSIONS

Length with Bucket Down	7,900 mm
Width Over Tires	2,750 mm
Wheelbase	3,250 mm
Wheel Tread	2,150 mm
Ground Clearance	485 mm
Turn Angle, Either Side	36°
Rear Angle of Departure	28°
Turning Radius, Outside of Tire	6,500 mm
Turning Radius, Center of Tire	6,200 mm
Turning Radius, Bucket Carry	7,230 mm

TIRES

Tire Size	23.5 - 25
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OPERATING WEIGHTS

Operating Weight	16,700 kg
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SERVICE CAPACITY

Fuel Tank	290 L
Engine Oil	19 L
Cooling System	54 L
Hydraulic Reservoir	260 L
Transmission and Torque Converter	45 L
Axles, each	36 L

