

Engine	Cummins QSM11
Gross Power	272 kW (370 hp) @ 2,100 rpm
Net Power	258.5 kW (351 hp) @ 2,100 rpm
Operating Weight	25,300 kg
Standard Bucket Size	4.5 m <sup>3</sup>
Standard Breakout Force	220 kN
Standard Dump Clearance	3,330 mm

# 877H WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.

# 877H SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Make	Cummins
Model	QSM11
Gross Power	272 kW (370 hp) @ 2,100 rpm
Net Power	258.5 kW (351 hp) @ 2,100 rpm
Peak Torque	1,674 N · m @ 1,400 rpm
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	40 km/h
Maximum Travel Speed, rev	27.5 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

## AXLES

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

## STEERING

Steering Configuration	Articulated
Steering Relief Pressure	20.7 MPa

## BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Hydraulic
Parking Brake Type	Flexible shaft control
Parking Brake Actuation	Hydraulic

## HYDRAULIC SYSTEM

Main Pump Type	Piston + Gear
Main Relief Pressure	23 MPa
Raise	5.8 s
Dump Time	1.4 s
Float Down Time	3.3 s
Fastest Total Cycle Time	10.5 s

## LOADER ARM PERFORMANCE

Tipping Load - Straight	20,378 kg
Tipping Load - Full Turn	17,560 kg
Bucket Breakout Force	220 kN
A Maximum Hinge Pin Height	4,552 mm
B Dump Clearance at Full Height Discharge	3,330 mm
C Dump Reach at Full Height Discharge	1,385 mm
D Maximum Digging Depth, Bucket Level	100 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	61°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

## BUCKET PERFORMANCE

Reference Bucket	3.5 - 8.0 m <sup>3</sup>
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## DIMENSIONS

E Ground Clearance	485 mm
G Wheelbase	3,550 mm
H Cab Height	3,580 mm
J Wheel Tread	2,270 mm
K Width Over Tires	2,970 mm
L Length with Bucket Down	9,300 mm
M Turn Angle, Either Side	38 °
P Rear Angle of Departure	26°
R <sub>1</sub> Turning Radius, Bucket Carry	7,550 mm
R <sub>2</sub> Turning Radius, Outside of Tire	6,625 mm

## TIRES

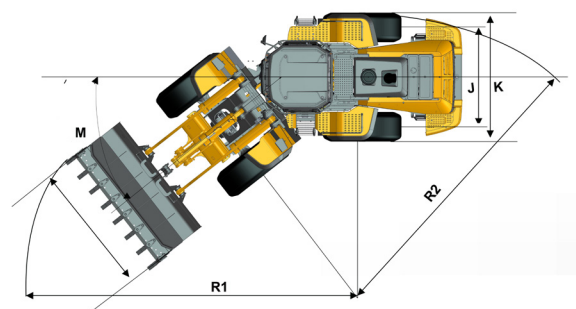
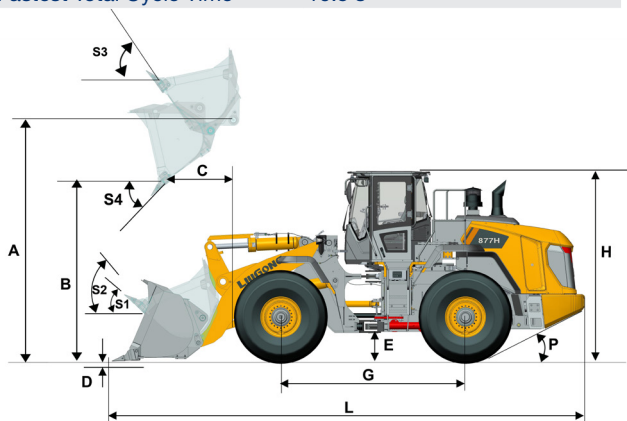
Tire Size	26.5 - 25
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## OPERATING WEIGHTS

Operating Weight	25,300 kg
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## SERVICE CAPACITIES

Fuel Tank	420 L
Engine Oil	33 L
Cooling System	36 L
Hydraulic Reservoir	220 L
Transmission and Torque Converter	50 L
Axles, each	60 L



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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