

Engine	Cummins QSB6.7
Gross Power	119 kW (160 hp) @ 2,200 rpm
Net Power	108 kW (145 hp) @ 2,200 rpm
Operating Weight	10,800 kg
Standard Bucket Size	1.8 m <sup>3</sup>
Standard Breakout Force	105 kN
Standard Dump Clearance	2,920 mm

# 835H

WHEEL LOADER



TOUGH WORLD. TOUGH EQUIPMENT.



# 835H SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Make	Cummins
Model	QSB6.7
Gross Power	119 kW (160 hp) @ 2,200 rpm
Net Power	108 kW (145 hp) @ 2,200 rpm
Peak Torque	732 N·m @ 1400 rpm
Displacement	6.7 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

## TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	36 km/h
Maximum Travel Speed, rev	23.2 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

## AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±11°

## STEERING

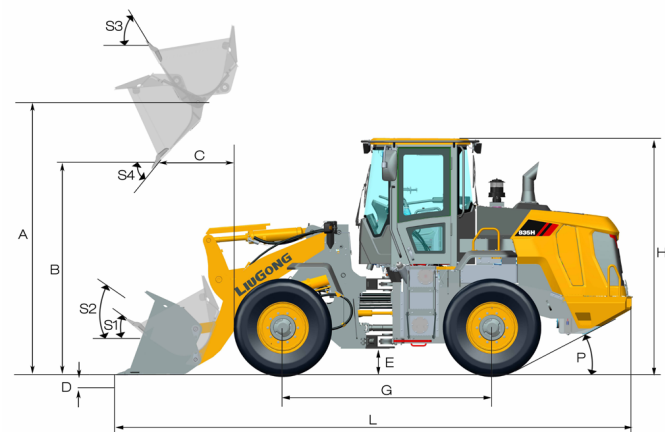
Steering Configuration	Articulated
Steering Relief Pressure	17.2 MPa

## 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	Gear
Main Relief Pressure	18 MPa
Raise	5.1 s
Dump Time	1.1 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.3 s



## LOADER ARM PERFORMANCE

Tipping Load - Straight	7,900 kg
Tipping Load - Full Turn	6,800 kg
Bucket Breakout Force	105 kN
A Maximum Hinge Pin Height	3,730 mm
B Dump Clearance at Full Height Discharge	2,920 mm
C Dump Reach at Full Height Discharge	1,014 mm
D Maximum Digging Depth, Bucket Level	40 mm
S <sub>1</sub> Rollback at Ground Level	41°
S <sub>2</sub> Bucket Rollback at Carry	48°
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	1.5-3.0 m³
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## DIMENSIONS

E Ground Clearance	335 mm
G Wheelbase	2,870 mm
H Cab Height	3,232 mm
J Wheel Tread	1,850 mm
K Width Over Tires	2,295 mm
L Length with Bucket Down	7,060 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R <sub>1</sub> Turning Radius, Bucket Carry	5,600 mm
R <sub>2</sub> Turning Radius, Outside of Tire	5,090 mm

## TIRES

Tire Size	17.5 - 25
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## OPERATING WEIGHTS

Operating Weight	10,800 kg
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## SERVICE CAPACITY

Fuel Tank	187 L
Engine Oil	15 L
Cooling System	32 L
Hydraulic System	145 L
Transmission and Torque Converter	45 L
Axles, Each	28 L

