



<b>Engine</b>	Cummins 6BTAA5.9-C130
<b>Gross Power</b>	97 kW (130 hp / 132 ps) @ 2,200 rpm
<b>Net Power</b>	89 kW (119 hp / 121 ps) @ 2,200 rpm
<b>Operating Weight</b>	10,454 kg
<b>Standard Bucket Size</b>	2.0 m <sup>3</sup>
<b>Standard Breakout Force</b>	87 kN
<b>Standard Dump Clearance</b>	2,855 mm

# 835H MAX WHEEL LOADER

# 835H SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6BTAA5.9-C130
Gross Power	97 kW (130 hp / 132 ps) @ 2,200 rpm
Net Power	89 kW (119 hp / 121 ps) @ 2,200 rpm
Peak Torque	580 N·m @ 1,300~1,500 rpm
Displacement	5.9 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

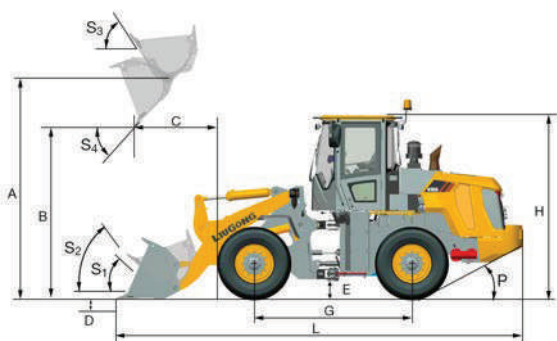
TRANSMISSION	
Transmission Type	Planetary, power shift
Torque Converter	Double stage, four elements
Maximum Travel Speed, fwd	40 km/h
Maximum Travel Speed, rev	18 km/h
Number of Speed, fwd	2
Number of Speed, Rev	1

AXLES	
Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±10°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	17.2 MPa

BRAKES	
Service Brake Type	Caliper discs brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Mechanical control
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	17 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 with Bucket 2.0 m <sup>3</sup>	
Tipping Load - Straight (ISO 14397-1:2007)	7,721 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	6,640 kg
Bucket Breakout Force	87 kN
A Maximum Hinge Pin Height	3,738 mm
B Dump Clearance at Full Height Discharge	2,855 mm
C Dump Reach at Full Height Discharge	1,109 mm
D Maximum Digging Depth, Bucket Level	40 mm
S <sub>1</sub> Rollback at Ground Level	42°
S <sub>2</sub> Bucket Rollback at Carry	49°
S <sub>3</sub> Bucket Rollback at Maximum Height	60°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE	
Reference Bucket	2.0 m <sup>3</sup>

DIMENSIONS	
E Ground Clearance	350 mm
G Wheelbase	2,870 mm
H Cab Height	3,340 mm
J Wheel Tread	1,850 mm
K Width Over Tires	2,295 mm
L Length with Bucket Down	7,280 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R <sub>1</sub> Turning Radius, Bucket Carry	5,700 mm
R <sub>2</sub> Turning Radius, Outside of Tire	5,090 mm
W Width Over Bucket	2,460 mm

TIRES	
Tire Size	17.5 - 25

OPERATING WEIGHTS	
Operating Weight	10,454 kg

SERVICE CAPACITY	
Fuel Tank	140 L
Engine Oil	16.3 L
Cooling System	40 L
Hydraulic System	140 L
Transmission and Torque Converter	45 L
Axles, Each	22 L

