



**Engine**

**Max Gross Power**

**Max Net Power**

**Operating Weight**

**Standard Bucket Size**

**Bucket Breakout Force**

**Standard Dump Clearance**

Cummins B6.7

145 kW (194 hp) @ 2,000 rpm

136 kW (182 hp) @ 2,000 rpm

16,500 kg (36,376 lbs)

2.7 m<sup>3</sup> (3.5 yd<sup>3</sup>)

117 kN (26,302 lbf)

2,774 mm (9.1')

# 848H WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

# 848H SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Stage V
Make	Cummins
Max Gross Power	145 kW (194 hp) @ 2,000 rpm
Max Net Power	136 kW (182 hp) @ 2,000 rpm
Peak Torque	881 N·m (650 lbf·ft) @ 1,300 rpm
Displacement	6.7 L (1.77 gal)
Number of Cylinders	6
Aspiration	Turbocharged & air-to-air intercooled

## TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single-stage, three-element
Maximum Travel Speed, fwd	39 km/h (24.2 mph)
Maximum Travel Speed, rev	26 km/h (16.2 mph)
Number of Speeds, fwd.	4
Number of Speeds, rev	3

## AXLES

Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±12°

## STEERING

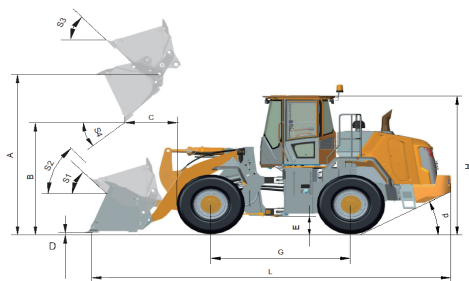
Steering Configuration	Articulated
Steering Relief Pressure	20.7 MPa (3,002 psi)

## BRAKES

Service Brake Type	Wet disc brake
Service Brake Actuation	Fully hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic release

## HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	26 Mpa (3,002 psi)
Raise	5.2 s
Dump Time	1.5 s
Float Down Time	3.2 s
Fastest Total Cycle Time	9.9 s



## LOADER ARM PERFORMANCE with Standard Bucket 2.7 m³ (3.5 yd³)

Tipping Load - Straight (ISO 14397-1:2007)	11,645 kg (25,673 lbs)
Tipping Load - Full Turn (ISO 14397-1:2007)	10,292 kg (22,690 lbs)
Bucket Breakout Force (Option 1/Option 2)	117 kN (26,302 lbf)
A Maximum Hinge Pin Height	3,937 mm (12'11")
B Dump Clearance at Full Height Discharge	2,774 mm (9.1')
C Dump Reach at Full Height Discharge	1,170 mm (3'10")
D Maximum Digging Depth, Bucket Level	75 mm (3")
S <sub>1</sub> Bucket Rollback at Ground Level	44.5°
S <sub>2</sub> Bucket Rollback at Carry	48.5°
S <sub>3</sub> Bucket Rollback at Maximum Height	62°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

## BUCKET PERFORMANCE

Reference Bucket	2.5-5 m³ (3.3-6.6 yd³)
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## DIMENSIONS

E Ground Clearance	400 mm (1'4")
G Wheelbase	3,050 mm (10')
H Cab Height	3,394 mm (11'2")
J Wheel Tread	2,150 mm (7'1")
K Width Over Tires	2,670 mm (8'9")
L Length with Bucket Down	8,030 mm (26'4")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R <sub>1</sub> Turning Radius, Bucket Carry	6,494 mm (21'4")
R <sub>2</sub> Turning Radius, Outside of Tire	5,475 mm (17'12")
W Width Over Bucket	2,920 mm (9'7")

## TIRES

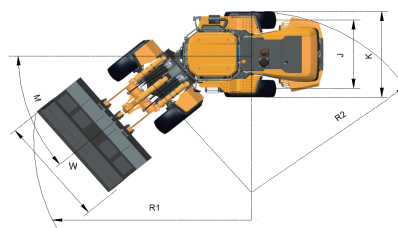
Tire Size	20.5R25
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## OPERATING WEIGHTS

Operating Weight	16,500 kg (36,376 lbs)
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## SERVICE CAPACITY

Fuel Tank	200 L (2.8 gal)
Engine Oil	14.2 L (3.8 gal)
Cooling System	44 L (11.6 gal)
Hydraulic Reservoir	180 L (47.6 gal)
Transmission and Torque Converter	40 L (10.6 gal)
Axles, F/R	43 / 48 L (11.4 / 12.7 gal)
DEF Tank	49 L (12.9 gal)



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

04/2024 Designed by LiuGong  
Replace the previous versions of 02/2024