



Engine	Cummins 6LTAA9.3
Rated Power	162 kW (220 hp / 217 ps) @ 2,200 rpm
Net Power	152 kW (204 HP / 207 PS) @ 2,200 RPM
Operating Mass	17,000 kg
Standard Bucket Size	3.0 M ³
Standard Breakout Force	199 kN
Standard Dump Clearance	3,100 mm

856H WHEEL LOADER

856H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2/ Stage II
Manufacturer	Cummins
Model	6LTAA9.3
Rated Power	162 kW (220 hp / 217 ps) @ 2,200 rpm
Net Power	152 kW (204 hp / 207 ps) @ 2,200 rpm
Peak Torque	940 N · m @ 1400-1600rpm
Displacement	9.3 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	25 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES

Differential Front Type	Open differential
Differential Rear Type	Open differential
Axle Oscillation	±12°

STEERING

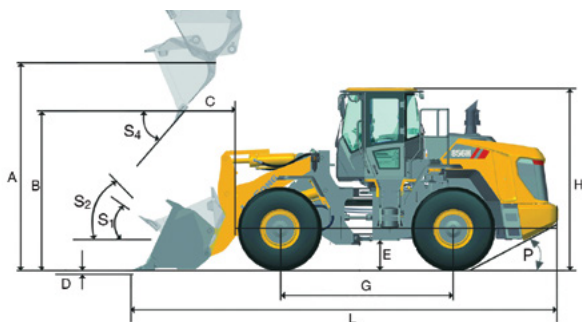
Steering Configuration	Articulated
Steering Pressure Relief	18 MPa

BRAKES

Service Brake Type	Wet brake
Service Brake Actuation	Hydraulic
Park Brake Type	Drum
Park Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	22 Mpa
Raise	5.8 s
Dump Time	1.4 s
Float Down Time	3.0 s
Fastest Total Cycle Time	10.2 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 2.5 M³

Tipping Load-Straight (ISO 14397-1:2007)	12,400 kg
Tipping Load-Full Turn(ISO 14397-1:2007)	10,800 kg
Bucket Breakout Force	199kN
A. Maximum Hinge Pin Height	4,159 mm
B. Dump Clearance at Full Height Discharge	3,100 mm
C. Dump Reach at Full Height Discharge	1,126 mm
D. Maximum Digging Depth, Bucket Level	80 mm
S1. Bucket Roll back at Ground Level	42°
S2. Bucket Roll Back at Carry	48°
S3. Bucket Roll Back at Maximum Height	58°
S4. Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	3.0 m ³
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DIMENSIONS

E. Ground Clearance	431 mm
G. Wheelbase	3,320 mm
H. Cab Height	3,450 mm
J. Wheel Tread	2,150 mm
K. Width Over Tyres	2,750 mm
L. Length with Bucket Down	8,357 mm
M. Turn Angle, Either Side	38°
P. Rear Angle of Departure	27°
R1. Turning Radius, Bucket Carry	6,896 mm
R2. Turning Radius, Outside of Tyre	5,897 mm
W. Width over bucket	2,976 mm

TYRES

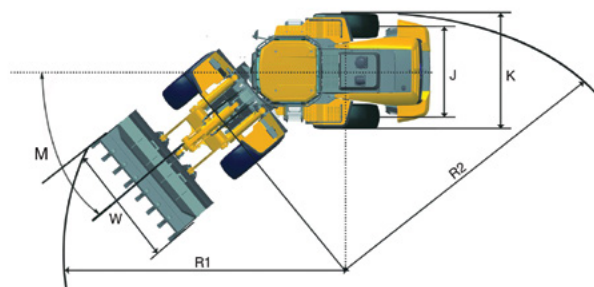
Tyre Size	23.5-25PR20
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OPERATING WEIGHT

Operating Weight	17,000 kg
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SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	26 L
Cooling System	36 L
Hydraulic system	225 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	44 L



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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.

04/2020 Designed by LiuGong
 Replace the previous versions of 08/2019