



Engine	Cummins QSL9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Operating Weight	18,100 kg
Standard Bucket Size	3.5 m ³
Standard Breakout Force	180.7 kN
Standard Dump Clearance	2,978 mm

856H MAX WHEEL LOADER

856H MAX SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3 / Stage III
Manufacturer	Cummins
Model	QSL9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Peak Torque	984 N·m @ 1,300 rpm
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & air-to-air intercooled

TRANSMISSION

Transmission Type	Electro-hydraulic powershift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38.6 km/h
Maximum Travel Speed, rev	24.9 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES

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

STEERING

Steering Configuration	Piston
Steering Relief Pressure	20.7 MPa

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Full hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	25 MPa
Raise	5.5 s
Dump Time	1.0 s
Float Down Time	2.9 s
Fastest Total Cycle Time	9.4 s

LOADER ARM PERFORMANCE WITH STANDARD BUCKET 3.5 m³

Tipping Load - Straight (ISO 14397-1:2007)	14,600 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	12,600 kg
Bucket Breakout Force	180.7 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Clearance at Full Height Discharge	2,978 mm
C Dump Reach at Full Height Discharge	1,231 mm
D Maximum Digging Depth, Bucket Level	50 mm
S ₁ Bucket Rollback at Ground Level	44°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	62°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	2.7 - 5.6 m ³
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DIMENSIONS

E Ground Clearance	425 mm
G Wheelbase	3,320 mm
H Cab Height	3,500 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,750 mm
L Length with Bucket Down	8,390 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	27°
R ₁ Turning Radius, Bucket Carry	7,025 mm
R ₂ Turning Radius, Outside of Tire	6,207 mm
W Width Over Bucket	2,970 mm

TIRES

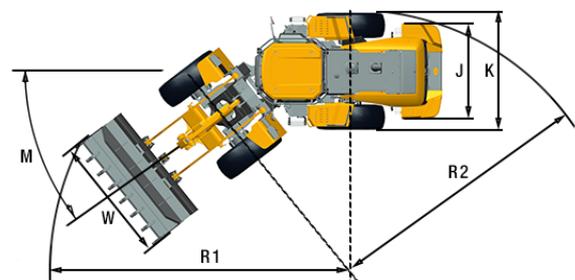
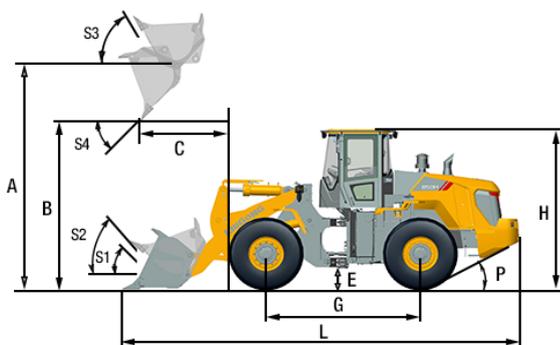
Tire Size	23.5-25 PR20 L-3 TT
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OPERATING WEIGHTS

Operating Weight	18,100 kg
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SERVICE CAPACITY

Fuel Tank	270 L
Engine Oil	26 L
Cooling System	50 L
Hydraulic System	225 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	50 L/48 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.

03/2024 Designed by LiuGong
 Replace the previous versions of 05/2023