



Engine	Cummins 6LTAA9.3
Rated Power	162 kW (217 hp / 220 ps) @ 2,200 rpm
Net Power	152 kW (204 hp / 207 ps) @ 2,200 rpm
Operating Weight	17,250 kg
Standard Bucket Size	3.5 m ³
Standard Breakout Force	165 kN
Standard Dump Clearance	2,978 mm

856H MAX WHEEL LOADER

856H MAX SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6LTAA9.3
Rated Power	162 kW (217 hp / 220 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 Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Electric proportional ,power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	38 km/h
Maximum Travel Speed, rev	25 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES

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

STEERING

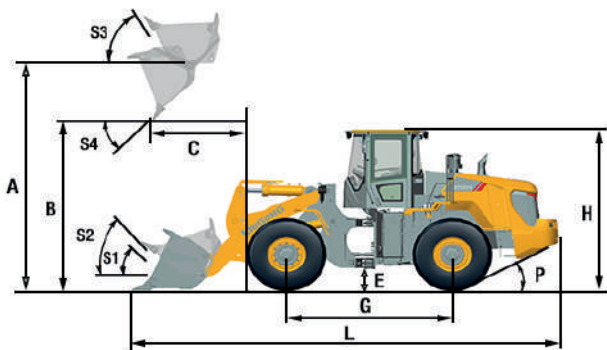
Steering Configuration	Articulated
Steering Relief Pressure	16.5 MPa

BRAKES

Service Brake Type	Caliper disc brake
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Manual air control

HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	20.7 MPa
Raise	5.8 s
Dump Time	1.3 s
Float Down Time	3.0 s
Fastest Total Cycle Time	10.1 s



LOADER ARM PERFORMANCE with Standard Bucket 3.5 m³

Tipping Load - Straight (ISO 14397-1:2007)	14,363 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	12,303 kg
Bucket Breakout Force	165 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	57°
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	431 mm
G Wheelbase	3,320 mm
H Cab Height	3,500 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,976 mm
L Length with Bucket Down	8,390 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R ₁ Turning Radius, Bucket Carry	6,903 mm
R ₂ Turning Radius, Outside of Tire	6,205 mm
W Width Over Bucket	2,976 mm

TIRES

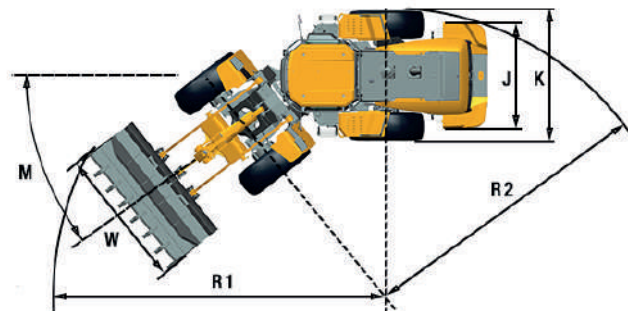
Tire Size	23.5 - 25PR20 L-3 TT
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OPERATING WEIGHTS

Operating Weight	17,250 kg
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SERVICE CAPACITY

Fuel Tank	300 L
Engine Oil	26 L
Cooling System	42 L
Hydraulic System	225 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	33 L / 36 L



RIYADI I

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JEDDAH I

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