



Engine	Cummins QSL9.3
Rated Power	190 kW (255 hp / 258 ps) @ 2,200 rpm
Net Power	178 kW (239 hp / 242 ps) @ 2,200 rpm
Operating Weight	24,100 kg
Standard Bucket Size	4.5 m ³
Standard Breakout Force	203 kN
Standard Dump Clearance	3,460 mm
Boom Length	3,330 mm

870H MAX WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

870H MAX SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Manufacturer	Cummins
Model	QSL9.3
Rated Power	190 kW (255 hp / 258 ps) @ 2,200 rpm
Net Power	178 kW (239 hp / 242 ps) @ 2,200 rpm
Peak Torque	1,187 N · m @ 1,300 rpm
Displacement	9.3 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION

Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	36 km/h
Maximum Travel Speed, rev	24.2 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	21 MPa

BRAKES

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

HYDRAULIC SYSTEM

Main Pump Type	Gear+Piston
Main Relief Pressure	25 MPa
Raise	5.2 s
Dump Time	1.3 s
Float Down Time	3 s
Fastest Total Cycle Time	9.5 s

LOADER ARM PERFORMANCE with Standard Bucket 4.5 m³

Tipping Load - Straight	18,300 kg
Tipping Load - Full Turn	16,100 kg
Bucket Breakout Force	203 kN
A Maximum Hinge Pin Height	4,810 mm
B Dump Clearance at Full Height Discharge	3,460 mm
C Dump Reach at Full Height Discharge	1,250 mm
D Maximum Digging Depth, Bucket Level	69 mm
S ₁ Bucket Rollback at Ground Level	44°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	60.7°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	3.0 - 7.0 m³
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DIMENSIONS

E Ground Clearance	460 mm
G Wheelbase	3,550 mm
H Cab Height	3,550 mm
J Wheel Tread	2,280 mm
K Width Over Tires	2,980 mm
L Length with Bucket Down	9,100 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	29°
R ₁ Turning Radius, Bucket Carry	7,550 mm
R ₂ Turning Radius, Outside of Tire	6,650 mm
W Bucket Width	3,216 mm

TIRES

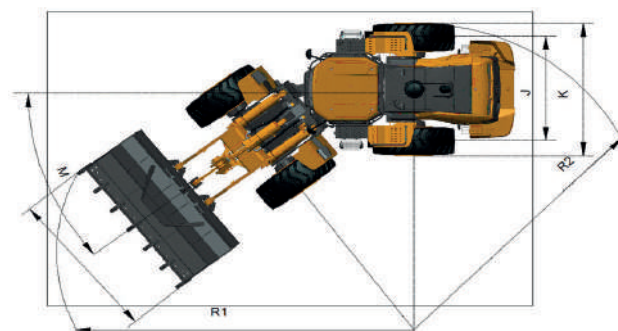
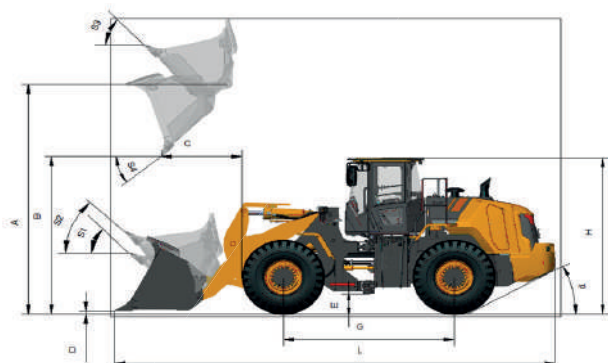
Tire Size	26.5-25-28PR/TL L-3
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OPERATING WEIGHTS

Operating Weight	24,100 kg
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SERVICE CAPACITY

Fuel Tank	330 L
Engine Oil	26 L
Cooling System	35 L
Hydraulic System	295 L
Transmission and Torque Converter	35 L
Axles, Front/Rear	57 L



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JEDDAH I

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