



Engine	Cummins QSM11
Max Gross Power	287 kW (385 hp / 390 ps) @ 1,800 rpm
Max Net Power	273 kW (366 hp / 371 ps) @ 1,800 rpm
Operating Weight	31,245 kg
Standard Bucket Size	5.4 m ³
Standard Breakout Force	236 kN
Standard Dump Clearance	3,330 mm

890H WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

890H SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Manufacturer	Cummins
Model	QSM11
Max Gross Power	287 kW (385 hp / 390 ps) @ 1,800 rpm
Max Net Power	273 kW (366 hp / 371 ps) @ 1,800 rpm
Peak Torque	1,776 N · m @ 1,400 rpm
Displacement	10.8 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	38.2 km/h
Maximum Travel Speed, rev	26.5 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES

Differential Front Type	Differential Hydraulic Limited
Differential Rear Type	Conventional
Axle Oscillation	$\pm 13^\circ$

STEERING

Steering Configuration	Articulated
Steering Relief Pressure	20.7 MPa

BRAKES

Service Brake Type	Wet discs 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
Raise	6.0 s
Dump Time	1.6 s
Float Down Time	3.4 s
Fastest Total Cycle Time	11.0 s

LOADER ARM PERFORMANCE with Standard Bucket 5.4 m³

Tipping Load - Straight (ISO 14397-1:2007)	23,100 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	20,320 kg
Bucket Breakout Force	236 kN
A Maximum Hinge Pin Height	4,572 mm
B Dump Clearance at Full Height Discharge	3,330 mm
C Dump Reach at Full Height Discharge	1,479 mm
D Maximum Digging Depth, Bucket Level	125 mm
S ₁ Bucket Rollback at Ground Level	44.6°
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	4-9 m ³
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DIMENSIONS

E Ground Clearance	476 mm
G Wheelbase	3,700 mm
H Cab Height	3,765 mm
J Wheel Tread	2,420 mm
K Width Over Tires	3,170 mm
L Length with Bucket Down	9,450 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	25°
R ₁ Turning Radius, Bucket Carry	7,878 mm
R ₂ Turning Radius, Outside of Tire	6,958 mm
W Width Over Bucket	3,532 mm

TIRES

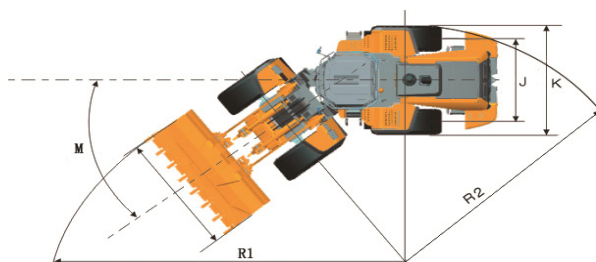
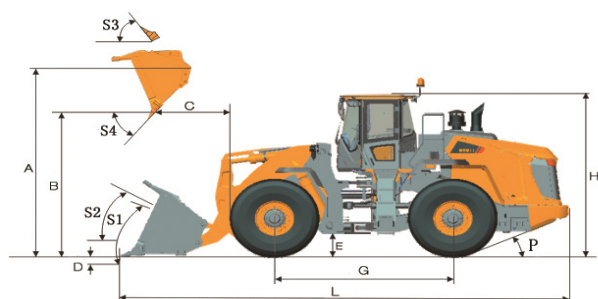
Tire Size	29.5-25PR28
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OPERATING WEIGHTS

Operating Weight	31,245 kg
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SERVICE CAPACITY

Fuel Tank	485 L
Engine Oil	33 L
Cooling System	41 L
Hydraulic Reservoir	255 L
Transmission and Torque Converter	50 L
Axles, each	65 L



Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China
T: +86 772 3886124 E: overseas@liugong.com
www.liugong.com

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.

07/2021 Designed by LiuGong
Replace the previous versions of 06/2020