



Engine	Cummins X12
Rated Power	262 kW (351 hp / 356 ps) @ 2,100 rpm
Operating Weight	31,560 kg
Standard Bucket Size	5.4 m ³
Standard Breakout Force	270 kN
Standard Dump Clearance	3,332 mm

890T WHEEL LOADER

890T SPECIFICATIONS >>>

ENGINE

Emission	Tier 3 / Stage III
Manufacturer	Cummins
Model	X12
Rated Power	262 kW (351 hp / 356 ps) @ 2,100 rpm
Peak Torque	1,898 N·m @ 1,100 - 1,400 rpm
Displacement	11.8 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	37 km/h
Maximum Travel Speed, rev	25.7 km/h
Number of Speed, fwd	4
Number of Speed, rev	3

AXLES

Differential Front Type	100% differential lock
Differential Rear Type	Conventional
Axle Oscillation	±11°

STEERING

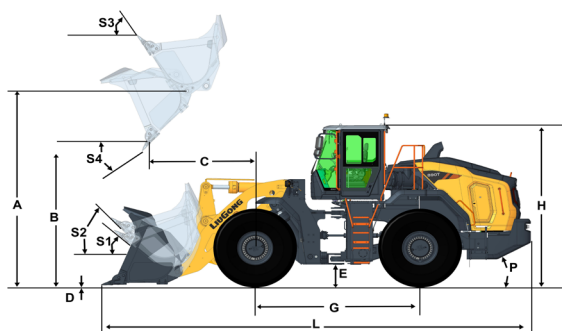
Steering Hydraulic System	Load sensing hydraulic steering
Steering Relief Pressure	25 MPa

BRAKES

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

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	31.5 MPa
Raise	6 s
Dump Time	1.6 s
Float Down Time	3.4 s
Hydraulic Cycle Time	11 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 5.4 m³

Tipping Load - Straight (ISO 14397-1:2007)	24,660 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	21,350 kg
Bucket Breakout Force	270 kN
A Maximum Hinge Pin Height	4,609 mm
B Dump Clearance at Full Height Discharge	3,332 mm
C Dump Reach at Full Height Discharge	1,433 mm
D Maximum Digging Depth, Bucket Level	127 mm
S ₁ Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	60°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	4.0-9.0 m³
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DIMENSIONS

E Ground Clearance	442 mm
G Wheelbase	3,700 mm
H Cab Height	3,790 mm
J Wheel Tread	2,420 mm
K Width over Tires	3,170 mm
L Length with Bucket Down	9,637 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	25°
R ₁ Turning Radius, Bucket Carry	7,822 mm
R ₂ Turning Radius, Outside of Tire	6,958 mm
W Width over Bucket	3,532 mm

TIRES

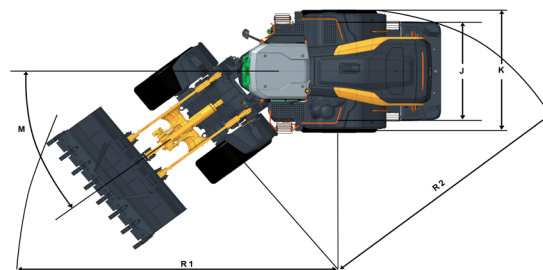
Tire Size	29.5-25
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OPERATING WEIGHTS

Operating Weight	31,560 kg
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SERVICE CAPACITY

Fuel Tank	608 L
Engine Oil	35 L
Cooling System	52 L
Hydraulic System	343 L
Transmission and Torque Converter	62 L
Axles, Front/Rear	60 L / 60 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.

05/2025 Designed by LiuGong
Replace the previous versions of 02/2025