



Engine	Cummins X12
Rated Power	261 kW (350 hp / 354 ps) @ 2,100 rpm
Operating Weight	37,500 kg (82,673 lbs)
Min. Clamping Diameter	Φ 1,400 mm
Standard Grapple Force	288 kN (67,745 lbf)

890T WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

890T SPECIFICATIONS >>>

ENGINE

Emission Regulation	EU Stage V
Manufacturer	Cummins
Model	X12
Gross Power	261 kW (350 hp / 354 ps) @ 2,100 rpm
Peak Torque	1,862 N·m (1,373 lbf·ft) @ 1,100 rpm
Displacement	11.8 L (3.1gal)
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	33.5 km/h (20.8 mph)
Maximum Travel Speed, rev	26 km/h (16.2 mph)
Number of Speed, fwd	4
Number of Speed, rev	3

AXLES

Front and Rear Axle Reduction Ratio	27
Axle Oscillation	±11°

STEERING

Steering Hydraulic System	Load sensing hydraulic steering
Steering Relief Pressure	25 MPa (3,626 psi)

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 (4,569 psi)
Raise	6.9 s
Dump Time	2 s
Float Down Time	4 s
Total Cycle Time	12.9 s

LOADER ARM PERFORMANCE WITH STANDARD STONE FORK Φ1,400 MM

Tipping Load - Straight (ISO 14397-1:2007)	23,200 kg (51,147 lbs)
Fork Breakout Force	288 kN (67,745 lbf)
A Maximum Hinge Pin Height	4,610 mm (15'1")
B Dump Clearance at Full Height Discharge	3,200 mm (10'6")
S ₁ Bucket Rollback at Ground Level	45° (Bucket) / 25°-30° (Stone fork)
S ₄ Maximum Dump Angle at Full Height	45°

FORK PERFORMANCE

Rated Load @ Rated Dump Height	10-26 t
Fork Size (L x W x H)	1,400x280x120 mm

DIMENSIONS

E Ground Clearance	442 mm (1'5")
G Wheelbase	3,700 mm (12'2")
H Cab Height	3,790 mm (12'5")
J Wheel Tread	2,450 mm (8')
K Width over Tires	3,200 mm (10'6")
L Length with Bucket Down	9,837 mm (32'3")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	22°
R ₂ Minmum Turning Radius, Outside of Tire	6,958 mm (22'10")

TIRES

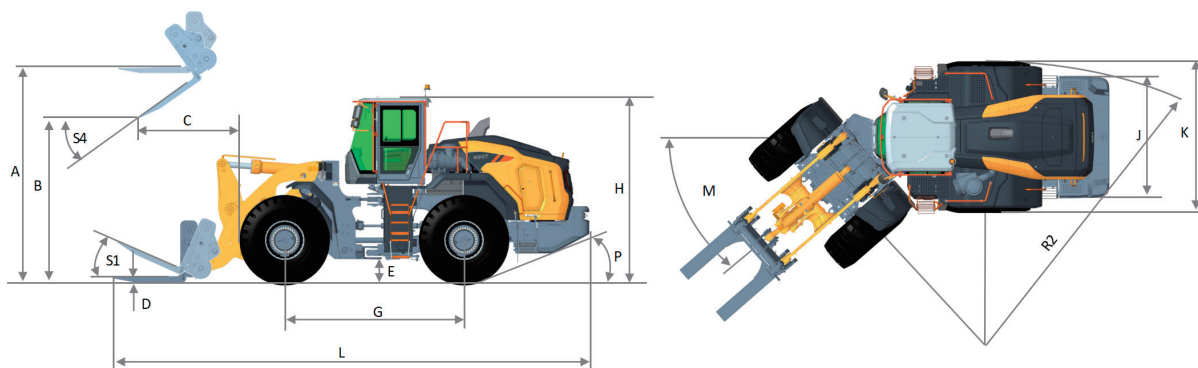
Tire Size	29.5R25 *** L-4
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OPERATING WEIGHTS

Operating Weight	37,500 kg (82,673 lbs)
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SERVICE CAPACITY

Fuel Tank	506 L (133.7 gal)
Engine Oil	35 L (9.2 gal)
Cooling System	64 L (16.9 gal)
Hydraulic System	343 L (90.6 gal)
Transmission and Torque Converter	62 L (16.4 gal)
Axles, Front/Rear	98 / 94 L (25.9 / 24.8 gal)



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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.

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