LIUGONG

Engine	Cummins X12
Max Gross Power	276 kW (370 hp / 375 ps) @ 1,800 rpm
Rated Power	250 kW (335 hp / 340 ps) @ 2,100 rpm
Operating Weight	31,600 kg (69,666 lbs)
Standard Bucket Size	5.4 m^3 (7.0 yd^3)
Standard Breakout Force	236 kN (53,055 lbf)
Standard Dump Clearance	3,330 mm (8'10")

890H WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

890H SPECIFICATIONS >>>

ENGINE	
Emission Regulation	EU Stage V
Make	Cummins
Model	X12
Max Gross Power	276 kW (370 hp / 375 ps) @ 1,800 rpm
Rated Power	250 kW (355 hp / 340 ps) @ 2,100 rpm
Peak Torque	1,693 N · m @ 1,400 rpm (1,249 lbf·ft @ 1,400 rpm)
Displacement	11.8 L (3.1 gal)
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 km/h (23.6 mph)
Maximum Travel Speed, rev	26.5 km/h (16.5 mph)
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES	
Differential Front Type	Hydraulic lock differential
Differential Rear Type	Conventional
Axle Oscillation	±11°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	20.7 MPa (3,002 psi)

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

HYDRAULIC SYSTEM	
Main Pump Type	Piston
Main Relief Pressure	26 MPa (3,771 psi)
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 (7.0 yd³)	
Tipping Load - Straight according to ISO 14397-1:2007	23,710 kg (52,272 lbs)
Tipping Load - Full Turn according to ISO 14397-1:2007	20,600 kg (45,415 lbs)
Bucket Breakout Force	236 kN (53,055 lbf)
A Maximum Hinge Pin Height	4,575 mm (15')
B Dump Clearance at Full Height Discharge	3,330 mm (9'10")
C Dump Reach at Full Height Discharge	1,464 mm (4'8")
D Maximum Digging Depth, Bucket Level	125 mm (5")
S_1 Bucket Rollback at Ground Level	45°
S_2 Bucket Rollback at Carry	49°
S_3 Bucket Rollback at Maximum Height	61°
S_4 Maximum Dump Angle at Full Height	45°

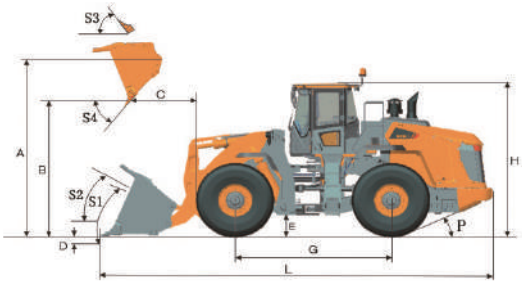
BUCKET PERFORMANCE	
Reference Bucket	4.0-9.0 m³ (7.0-11.8 yd³)

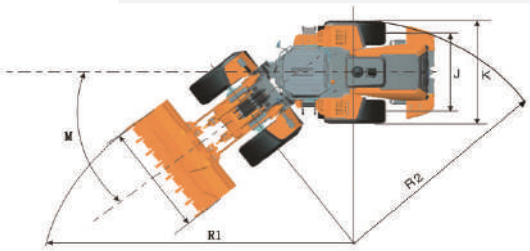
DIMENSIONS	
E Ground Clearance	442 mm (1'5")
G Wheelbase	3,700 mm (12'2")
H Cab Height	3,785 mm (12'5")
J Wheel Tread	2,420 mm (7'11")
K Width Over Tires	3,170 mm (10')
L Length with Bucket Down	9,750 mm (31'12")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	25°
R_1 Turning Radius, Bucket Carry	7,824 mm (25'8")
R_2 Turning Radius, Outside of Tire	6,958 mm (22'7")
W Width Over Bucket	3,532 mm (11'7")

TIRES	
Tire Size	29.5R25

OPERATING WEIGHTS	
Operating Weight	31,600 kg (69,666 lbs)

SERVICE CAPACITY	
Fuel Tank	460 L (121.5 gal)
Engine Oil	35 L (9.2 gal)
Cooling System	45 L (1.9 gal)
Hydraulic Reservoir	255 L (67 gal)
Transmission and Torque Converter	50 L (13.2 gal)
Axles, each	65 L (17.2 gal)
Aftertreament DEF	49.2 L (13 gal)





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11/2024 Designed by LiuGong
Replace the previous versions of 04/2024

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 metric hp in this file (1 kW=1.34 hp).