LiuGong



Engine	Cummins QSL9.3
Rated Power	190 kW (255 hp / 258 ps) @ 2,200 rpm
Net Power	190 kW (255 hp / 258 ps) @ 2,200 rpm
Operating Weight	23,294 kg
Standard Bucket Size	4.5 m^3
Standard Breakout Force	200 kN
Standard Dump Clearance	3,105 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	190 kW (255 hp / 258 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	Full hydraulic
Parking Brake Type	Drum
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM	
Main Pump Type	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 m^3	
Tipping Load - Straight	20,087 kg
Tipping Load – Full Turn	17,166 kg
Bucket Breakout Force	200 kN
A Maximum Hinge Pin Height	4,460 mm
B Dump Clearance at Full Height Discharge	3,105 mm
C Dump Reach at Full Height Discharge	1,320 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°

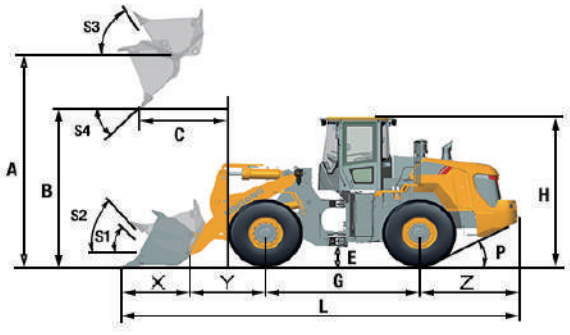
BUCKET PERFORMANCE	
Reference Bucket	3.0 - 7.0 m^3

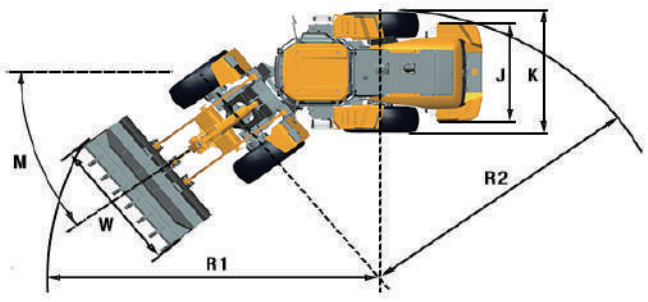
DIMENSIONS	
E Ground Clearance	460 mm
G Wheelbase	3,550 mm
H Cab Height	3,550 mm
J Wheel Tread	2,280 mm
K Width Over Tires	2,980 mm
L Length with Bucket Down	8,849 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	29°
R_1 Turning Radius, Bucket Carry	7,406 mm
R_2 Turning Radius, Outside of Tire	6,650 mm
W Width over Bucket	3,216 mm

TIRES	
Tire Size	26.5-25-PR28/TT L-3

OPERATING WEIGHTS	
Operating Weight	23,294 kg

SERVICE CAPACITY	
Fuel Tank	330 L
Engine Oil	28 L
Cooling System	35 L
Hydraulic System	295 L
Transmission and Torque Converter	35 L
Axles, Each	57 L





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11/2024 Designed by LiuGong

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.