LiuGong



Engine	Cummins QSB 5.9-C150-31
Rated Power	113 kW (152 hp / 154 ps) @ 2,200 rpm
Operating Weight	12,300 kg
Standard Bucket Size	2.3 m^3
Standard Breakout Force	134 kN
Standard Dump Clearance	2,893 mm

838T WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

838T SPECIFICATIONS>>>

ENGINE	
Emission Regulation	Tier 3 / Stage III
Manufacturer	Cummins
Model	QSB 5.9-C150-31
Rated Power	113 kW (152 hp / 154 ps) @ 2,200 rpm
Peak Torque	690 N·m @ 1,100~1,500 rpm
Displacement	5.9 L
Number of Cylinder	6
Aspiration	Turbocharged & Air-to-air intercooled

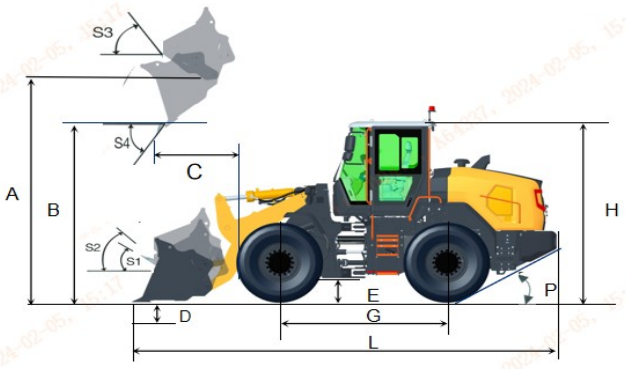
TRANSMISSION	
Transmission Type	Electric proportional, power shift
Maximum Travel Speed, fwd	38 km/h
Maximum Travel Speed, rev	27 km/h
Number of Speed, fwd	4
Number of Speed, Rev	3

AXLES	
Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±10°

STEERING	
Steering Configuration	Load sensing hydraulic steering
Steering Relief Pressure	18 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	26 MPa
Raise	4.8 s
Dump Time	1.1 s
Float Down Time	3.1 s
Fastest Total Cycle Time	9.0 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 2.3 m³	
Tipping Load - Straight (ISO 14397-1:2007)	9,347 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	8,108 kg
Bucket Breakout Force	134 kN
A Maximum Hinge Pin Height	3,870 mm
B Dump Clearance at Full Height Discharge	2,893 mm
C Dump Reach at Full Height Discharge	1,059 mm
D Maximum Digging Depth, Bucket Level	50 mm
S_1 Rollback at Ground Level	42 °
S_2 Bucket Rollback at Carry	48 °
S_3 Bucket Rollback at Maximum Height	56 °
S_4 Maximum Dump Angle at Full Height	45 °

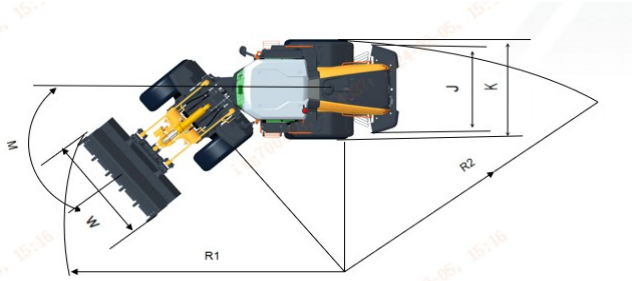
BUCKET PERFORMANCE	
Reference Bucket	1.5-3.2 m³

DIMENSIONS	
E Ground Clearance	383 mm
G Wheelbase	2,870 mm
H Cab Height	3,320 mm
J Wheel Tread	1,900 mm
K Width over Tires	2,420 mm
L Length with Bucket Down	7,203 mm
M Turn Angle, Either Side	40 °
P Rear Angle of Departure	28 °
R_1 Turning Radius, Bucket Carry	5,571 mm
R_2 Turning Radius, Outside of Tire	4,916 mm
W Width over Bucket	2,500 mm

TIRES	
Radial Tire Size	20.5-25 PR16 L-3 TL

OPERATING WEIGHTS	
Operating Weight	12,300 kg

SERVICE CAPACITY	
Fuel Tank	190 L
Engine Oil	16 L
Cooling System	30 L
Hydraulic System	140 L
Transmission	40 L
Axles, Front/Rear	33 L



MHVP PTY LTD
11 Des Young Dr, Moree, NSW, 2400
T: (02) 6752 4082 E: paul@mhvp.com.au
www.mhvp.com.au

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.

02/2024 Designed by LiuGong