

# CLG 856 BSIII LIUGONG Wheel Loader Specification

ENGINE	
Tier	BS III
Make	CUMMINS US
Model	QSB 6.7
Gross Power	164 kW ( 220 hp) @ 2,200 rpm
Net Power	157 kW ( 210 hp) @ 2,200 rpm
Peak Torque	949 N.m @ 1,500 rpm
Displacement	6.7 L
Number of Cylinders	6
Aspiration	Turbo air - to - air aftercooled

TRANSMISSION	
Transmission Make	ZF
Transmission Model	4WG200
Transmission Type	Fixed Shaft type Power Shift
Transmission Configuration	Counter Shaft
Torque Converter	Single - stage, three - element
Maximum Travel Speed, fwd	37 km/h
Maximum Travel Speed, rev	24 km/h
Number of Speeds, fwd	4
Number of Speeds, rev	3

AXLES	
Axle Make	LiuGong
Differential Front Type	Fixed Front
Differential Rear Type	Oscillating Rear
Axle Oscillation	±12°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	16 Mpa

BRAKES	
Service Brake Type	Air Over hydraulic Caliper Disc Brake
Parking Brake Type	Automatic & Manual Activated Type
Emergency Brake	Automatic

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	20 Mpa
Raise	5.8 sec
Dump Time	1.3 sec
Float Down Time	3.0 sec
Minimum Cycle Time	10.1 sec

LOADER PERFORMANCE WITH STANDARD BUCKET	
Tipping Load	136.3 kN
Full turn Tipping Load	118.5 kN
Bucket Breakout Force	162.4 kN
Maximum Dump Angle at Full Height	45°
Dump Clearance at Full Height Discharge	3,100 mm
Dump Reach at Full Height Discharge	1,035 mm
Maximum Hinge Pin Height	4,150 mm
Maximum Digging Depth, Bucket Level	61 mm
Bucket Rollback at Ground Level	45°
Bucket Rollback at Carry	49°
Bucket Rollback at Maximum Height	60°

BUCKET CAPACITY	
Standard	3.0 m <sup>3</sup>
Options	1.8 m <sup>3</sup> - 4.5m <sup>3</sup>

DIMENSIONS	
Length with Bucket Down	8,060 mm
Width Over Tires	2,750 mm
Wheelbase	3,250 mm
Wheel Tread	2,150 mm
Ground Clearance	431 mm
Turn Angle, Either Side	38 °
Maximum Gradeability	30°
Turning Radius, Outside of Tire	6,232 mm
Turning Radius, Center of Tire	5,932 mm
Turning Radius, Bucket Carry	6,913 mm

TIRES	
Tire Size	23.5 - 25, 20 PR

OPERATING WEIGHTS	
Operating Weight	17,100 kg

SERVICE CAPACITIES	
Fuel Tank	320 L
Engine Oil	22 L
Cooling System	56 L
Hydraulic Oil Tank	210 L
Transmission and Torque Converter	45 L
Axles, each	36 L

CABIN	
Protection System	FOPS/ROPS Cab
Mounting	Anti Vibration Pads