



Reliability in Action

SDLG Australia

LG959L Wheel Loader



FEATURES

- Cummins 6CTA8.3-615 6 Cylinder Engine
- ZF 4 WG-200 Transmission
- ZF AP 411 internal wet brakes, limited slip diff
- ROPS/FOPS cabin ISO 3471, EN ISO 3449, EN ISO 3164
- A/C cabin with pillarless wrap around windscreen
- Single lever hydraulic pilot control
- Hydraulic Quick Hitch
- Full powered 3rd function hydraulics
- Bucket capacity, 3.0>4.5m³
- 12 months or 2000 hours warranty
- 18 months or 2,000 hours warranty on Power train (conditions apply)

OPTIONS

- Auto weighing system
- Auto grease system
- Loader arm soft ride kit
- Air suspension seat
- Large range of attachments available
- 4 in 1 buckets, range of light materials buckets from 3m³ to 5.5m³, Hydro post hole diggers, Hay and silage handling attachments. Pallet forks & GP forks

SPECIFICATIONS

Engine Power	160kW / 214hp
Max. Traction Force	15,296kgf
Operating Weight	16,400kg
Standard Bucket Capacity	3.0m ³
Lift Capacity (Rated Load)	5,000kg
Max Breakout Force	18,355kgf
Static Tipping Load at full turn	10,200kg
Min Turning Radius Outside Rear Wheel	6,044mm
Min. Turning Radius Outside Bucket	6,707mm

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Ref# SDLG959 005

ENGINE

Model	Cummins 6CTA8.3-615
Type	Watercooled, 4 stroke, 6 cylinders in line, direct injection, turbo charged, aftercooled.
Rated Power	160 kW/214hp
Rated RPM	2200 rpm
Displacement	8.3 L
Cylinders	6
Cylinder Bore Stroke	135 mm
Min Fuel Consumption	11.6L/hr @ 1800 RPM
Max. Torque	908 Nm

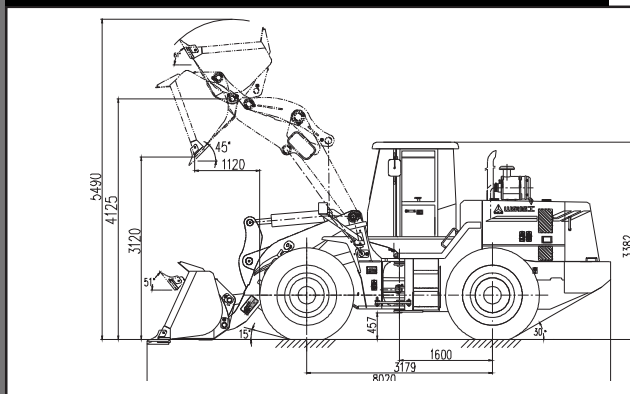
HYDRAULICS

Type	Single lever hydraulic pilot control
Boom Cylinder Cylinder bore x piston rod diameter x stroke	Double acting 165 x 90 x 767 mm
Bucket Cylinder Cylinder bore x piston rod diameter x stroke	Double acting 180 x 90 x 538 mm
Pump	Gear driven Hydraulic pump. 250L/min
Working pressure	2610 Psi
Lifting time (Max Load)	5.5s
Lowering time (Empty)	3.0s
Dumping time (Empty)	1.2s
Total	9.7s

STEERING SYSTEM

Type	Full-hydraulic articulated steering
Steering pump	Gear driven Hydraulic pump. 160L/min
Steering Cylinder Cylinder bore x piston rod diameter x stroke	Double acting 90 x 50 x 424 mm
Steering Orbitrol	Eaton BZZ-100
Steering Angle	38°
Working Pressure	2030 Psi

DIMENSIONS LG959L



TRANSMISSION

Torque Converter	Type	3 element, single stage, single phase			
	Torque ratio	2.55			
Travel Speed	Speeds	1	2	3	4
	Forward (km/h)	6.5	11.5	23	36
	Reverse (km/h)	0-6.5	0-11.5	0-23	---
Transmission ZF 4WG - 200	Type	Electric over hydraulic powershift shift			
	Shift	Forward 4 / Reverse 3			
	Transmission Ratio	Forward 1	4:278		
		Forward 2	2:368		
		Forward 3	1:126		
		Forward 4	0:648		
		Reverse 1	4:278		
		Reverse 2	2:368		
	Reverse 3	1:126			
	Transmission Pump	Internal gear pump			
Working Pressure	203 - 232 Psi				
Main Drive	Type	Single Stage, Spiral Bevel Gear			
	Gear Ratio	5.286			
Final Drive	Type	Single Stage, Planetary Shift			
	Gear Ratio	4:4			
Driving Axle & Tyres	Type	4WD ZF AP 412 limited slip diffs			
	Mount	Oscillating rear axle, rigid front axle			
	Tyre Specification	23.5 - R25. Tubeless radial L3 T2			
	Tyre Pressure	Front	48-51 Psi	Rear	40-43 Psi
Brake System	Service Brake Type	Hydraulically actuated, wet disc brakes actuate all 4 wheels			
	Parking Brake	Air operated hydraulically released disc brake on transmission			

SERVICE FILL CAPACITIES

Fuel	300L	Engine Oil	16.3L
Hydraulic Oil	200L	Transmission	35L
Axles (Main drive & final drive)	32L	Brake System	4L

DIMENSIONS

Length (Bucket on ground)	8,020mm	Width outside tyres	2,740mm
Height	3,382mm	Wheel Centres	2,144mm
Max. Dump Height (45° angle)	3,120mm	Front wheel to bucket edge	1,120mm
Bucket Width	3,050mm	Wheelbase	8,020mm

