

Reliability in Action

**LG959
LG958L**



LG959 & LG958L Wheel Loader



LG959 & LG958L Standard Features

- Deutz 7.1 liter, tier 3-certified engine with reversible cooling fan
- ZF 4WG200 powershift transmission
- LG959 ZF limited slip axles with internal wet brakes
- LG958L Lingong A515 dry disc brakes
- Air conditioned operator cab with AM/FM radio and USB interface
- Cab is ROPS / FOPS - ISO EN 3449, ISO EN 3471, ISO EN 3164
- Single lever control with separate third function
- Hydraulic quick coupler - ISO Interface - in cab actuation switch
- Full powered third function hydraulics
- General purpose bucket - 4.0 yd³ with bolt-on edge
- 12 Month/1500 hour warranty

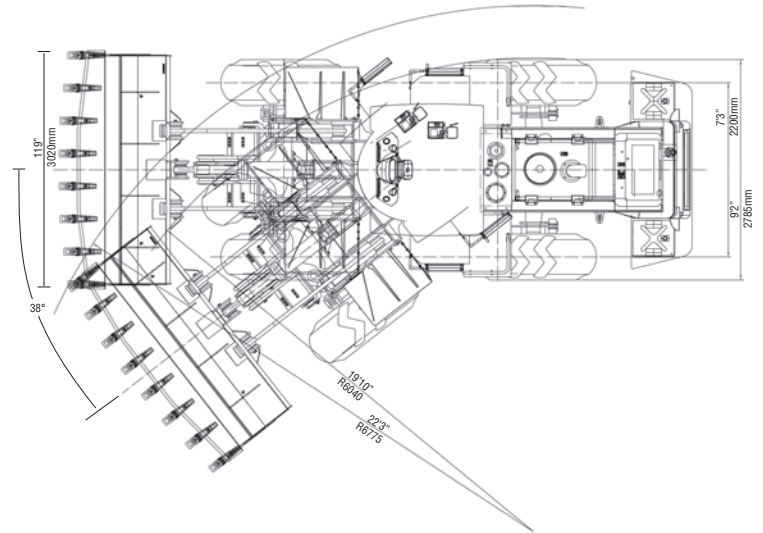
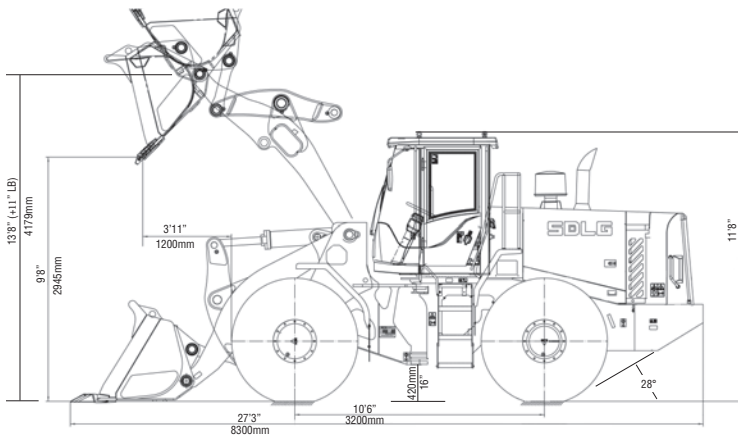
Optional Equipment

- Long Boom (+11" (267mm) in dump height, +5" (105mm) in reach)
- Boom Suspension System
- 23.5R25 L3 tubeless tires (radial)
- Light Material Bucket - 5.9 yd³ (4.5 m³) with bolt on edge
- Quick attach fork lift frame with 49" (1245mm) fork tines

Specifications Brief		
Max Power, 1500 rpm	224 hp	167 kW
Max Torque, 1500 rpm	777 lbf-ft	1,053 Nm
Bucket Capacity	4.0 yd ³	3.0 m ³
Rated Load	11,020 lbs	5,000 kg
Full Turn Tipping Load	Standard Boom	23,150 lbs / 10,500 kg
	Long Boom	20,900 lbf / 9,480 kN
Breakout Force	Standard Boom	41,440 lbf / 183.0 kN
	Long Boom	39,340 lbf / 175.0 kN
Rimpull	35,970 lbf	160 kN
Operating Weight	39,340 lbs	17,350 kg

*Specifications are based on the configuration for a pin on bucket.

Specifications are subject to change without prior notice from SDLG North America in line with the continuous improvement program from SDLG



Engine

Model	Deutz D7E LAE3 (Tier 3)	
Type	6 cyl, 4-stroke, turbocharged, water-cooled, high-pressure common rail fuel injection system	
Max Gross Power, 1500 rpm	224 hp	167 kW
Max Net Power, 1500 rpm	194 hp	145 kW
Max Torque, 1500 rpm	777 lbf-ft	1053 Nm
Displacement	433 in ³	7.1 l

Steering System

Model Type	HSGL-90x50x480	
Steering Pump	Gear Driven Hydraulic Pump	
Steering Angle (°)	38°	
Steering Pressure	2320 PSI	16.0 MPa
Steering Flow, Working	51 gpm	193 lpm
Steering Cylinders:	Double Acting	
Cylinder Bore x Piston Rod Diameter x Stroke	90 x 50 x 480 mm 3.5" x 2.0" x 18.9"	

Drivetrain

Type		Countershaft				
Travel Speed	Gear	Forward (LG959)	Reverse (LG959)	Forward (LG958L)	Reverse (LG958L)	
	1st	4.2 mph, 6.8 kph	4.5 mph, 7.2 kph	4.3 mph, 7.0 kph	4.6 mph, 7.4 kph	
	2nd	7.5 mph, 12.0 kph	7.5 mph, 12.0 kph	7.6 mph, 12.3 kph	7.6 mph, 12.3 kph	
	3rd	14.9 mph, 24.0 kph	14.3 mph, 23.0 kph	15.3 mph, 24.6 kph	14.7 mph, 23.6 kph	
	4th	22.4 mph, 36.0 kph	-----	23.0 mph, 37.0 kph	-----	
Torque Converter	Type	3 Elements, Single Phase, Single Turbine, Hydraulic Converter, liquid-cooled				
	Torque Multiplication	2.55				
	Oil Inlet Pressure	123 PSI		0.85 MPa		
	Oil Outlet Pressure	73 PSI		0.5 MPa		
Transmission: ZF 4WG200	Type	Electric Over Hydraulic Powershift				
	Pump	Internal Gear Pump				
	Working Pressure	232 - 261 PSI		1.6 - 1.8 PSI		
	Transmission Ratio	Forward, 1st			4.278	
		Forward, 2nd			2.368	
		Forward, 3rd			1.126	
		Forward, 4th			0.648	
		Reverse, 1st			4.278	
		Reverse, 2nd			2.368	
Reverse, 3rd			1.126			
Axles:	Main Drive	Type	Single-Stage, Spiral Bevel			
		Reduction Gear Ratio	3.7 4.625 (LG958L)			
	Final Drive	Type	Single-Stage, Planetary			
		Reduction Gear Ratio	6.35 4.94 (LG958L)			
Tires	Type	23.5-25 20-Ply Tubeless				
	Tire Pressure	Front	56.0 PSI, 0.39 MPa			
		Rear	48.0 PSI, 0.33 MPa			
Brakes	Service Brake	LG959	Hydraulically actuated, wet disc brakes actuate all 4 wheels			
		LG958L	Hydraulic, Dry-Disc, Lingong			
	Parking Brake	LG959	Hydraulic Drum Brake			
		LG958L	Hydraulic Drum Brake			
	Brake Oil Pressure	LG959	800 PSI	5.5 MPa		
LG958L	2000 PSI	13.8 MPa				

Hydraulic System

Type	Single Lever Control with Separate Third Function	
Main System Pump	Gear Driven Hydraulic Pump	
System Pressure	2610 PSI	18.0 MPa
System Flow	90.4 gpm	342.3 lpm
Boom Cylinder:	HSGF-170 x 90 x 774	
Cylinder Bore X Piston Rod Diameter X Stroke	170 x 90 x 774 mm 6.7" x 3.5" x 30.4"	
Bucket Cylinder:	HSGF-200 x 100 x 550	
Cylinder Bore x Piston Rod Diameter x Stroke	200 x 100 x 550 mm 7.9" x 3.9" x 21.6"	
Lift Time, Loaded	≤6.69 s	
Dump Time, Empty	≤1.13 s	
Lower Time, Empty	≤4.82 s	
Total Time	≤12.64 s	

Electrical System

Voltage	24.0 V	
Batteries	2 X 12 V	
Battery Capacity	120.0 Ah	
Cold Cranking Amps	850.0 CCA	
Alternator Rating	2240 W, 80 A	
Starter Motor Output	7.4 hp, 5.5 kW	

Service

Fuel Tank	79.2 gal	300.0 l	
Hydraulic Oil Tank	55.4 gal	210.0 l	
Engine Oil	5.7 gal	21.5 l	
Engine Coolant	7.4 gal	28.0 l	
Main Drive, Axle	LG959	9.0 gal	34.0 l
	LG958L	7.9 gal	30.0 l
Hub Reduction, Axle	LG959	9.0 gal	34.0 l
	LG958L	7.9 gal	30.0 l
Transmission	9.2 gal	35.0 l	



www.sdlgna.com