

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

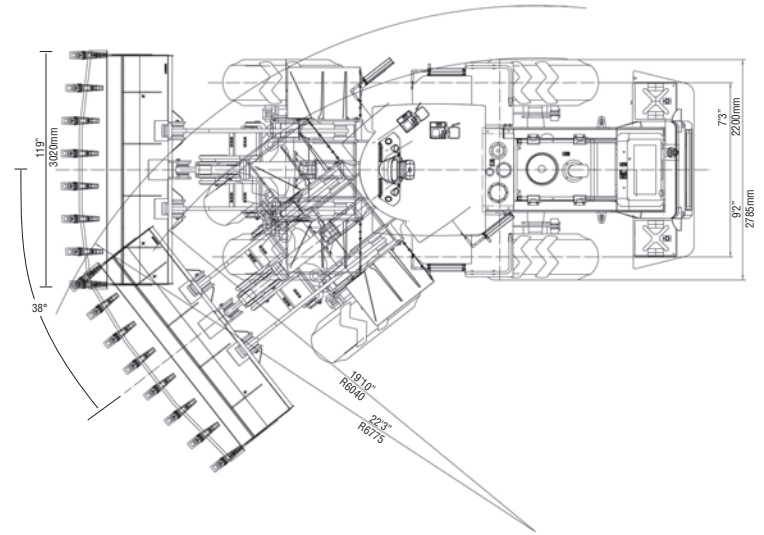
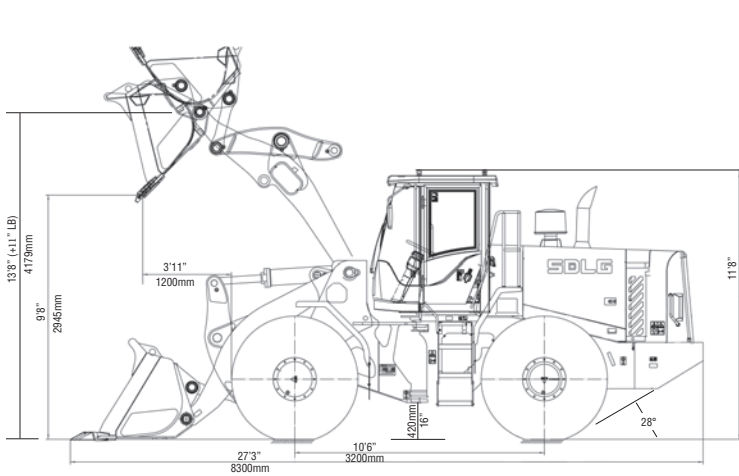
Optional Equipment

- 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

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

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: Cylinder Bore x Piston Rod Diameter x Stroke	Double Acting 90 x 50 x 480 mm 3.5" x 2.0" x 18.9"	

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: Cylinder Bore X Piston Rod Diameter X Stroke	HSGF-170 x 90 x 774 170 x 90 x 774 mm 6.7" x 3.5" x 30.4"	
Bucket Cylinder: Cylinder Bore x Piston Rod Diameter x Stroke	HSGF-200 x 100 x 550 200 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
	LG958L	7.9 gal
Hub Reduction, Axle	LG959	9.0 gal
	LG958L	7.9 gal
Transmission	9.2 gal	35.0 l

