

Reliability in Action

L938F, L948F Wheel Loaders



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Standard Features

- 1 Quiet operator cab with A/C, AM/FM and USB radio, ROPS/FOPS approved with excellent 360° visibility
- 2 General purpose buckets with reversible bolt on edges
- 3 ZF powershift transmission
- 4 ISO quick coupler with in-cab switch for coupler pin actuation
- 5 Joystick with integrated directional control switch, first gear kickdown, and separate third function lever for fully powered third function hydraulics.
- 6 SDLG 6.0 liter, tier 4f-certified engine with reversible cooling fan
- 7 SDLG torque proportioning axles with air-cooled, dry-disc brakes
- 8 12 month / 2,000 hour warranty with optional extended warranty packages

Optional Features

Long boom / extended reach

Boom suspension system / ride control

Light material buckets (3.3 or 4.5 yd³)

85" fork frame with 49" or 72" tines

Rearview camera with in-cab display

General purpose buckets, pin-on type

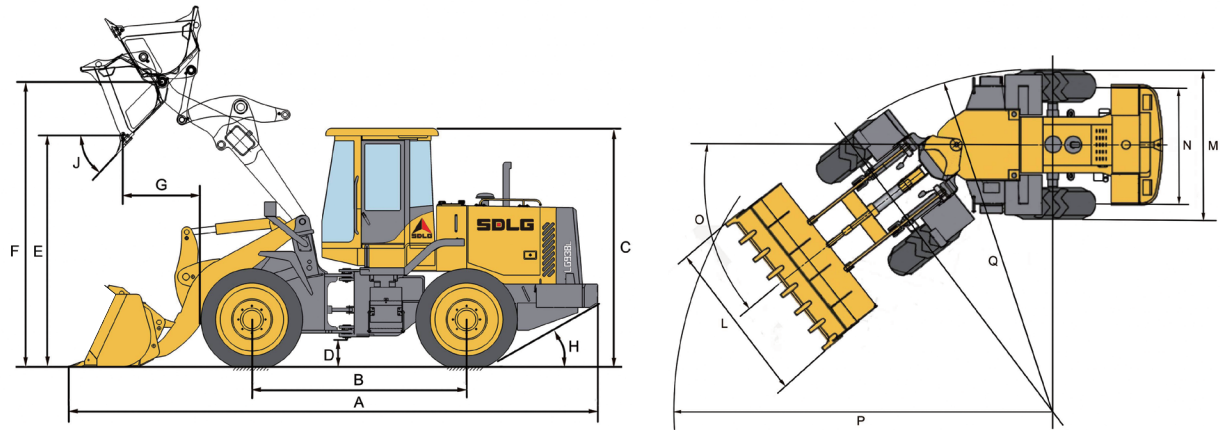
Additional counterweight (L938F)

Item	Specifications*			
Engine	L938F & L948F			
Model	DEUTZ-SDLG SD60 Tier 4 Final			
Type	4-Stroke, turbocharged, water-cooled, high-pressure common rail fuel injection system.			
Emission Control System	Cooled Exhaust Gas Recirculation. Particulate filter with active regeneration. DEF Fluid.			
Cylinders	6			
Displacement	in ³	L	372	6,1
L938F				
Max Gross Power @ 1,600 rpm	hp	kW	171	127
Max Net Power @ 1,600 rpm	hp	kW	162	121
Max Torque @ 1,400 rpm	lb _f ft	Nm	627	850
Rated Power @ 2,200 rpm	hp	kW	154	115
L948F				
Max Gross Power @ 1,900 rpm	hp	kW	184	137
Max Net Power @ 1,900 rpm	hp	kW	175	131
Max Torque @ 1,400 rpm	lb _f ft	Nm	689	934
Rated Power @ 2,200 rpm	hp	kW	161	120

* 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

Main performance and parts specifications



Item		Specifications*					
Overall Dimensions		L938F			L948F		
A- Length (with bucket @ ground lv)	Std Boom	ft in	mm	24'4"	7420	25'6"	7768
	Lg Boom	ft in	mm	25'6"	7760	26'5"	8060
B- Wheelbase		ft in	mm	9'4"	2850	9'10"	3000
C- Height		ft in	mm	11'0"	3360	10'10"	3300
D- Ground Clearance		ft in	mm	17"	440	17"	440
E- Max Dump Height (at 45°)	Std Boom	ft in	mm	9'2"	2795	9'3"	2820
	Lg Boom	ft in	mm	10'2"	3080	10'2"	3100
F- Hinge Pin Height	Std Boom	ft in	mm	12'7"	3850	12'7"	3840
	Lg Boom	ft in	mm	13'7"	4135	13'6"	4120
G- Max Dump Reach (at 45°)	Std Boom	ft in	mm	3'10"	1150	4'0"	1220
	Lg Boom	ft in	mm	3'11"	1170	4'1"	1240
H- Max Climbing Angle		°		28		26	
L- Bucket width		in	mm	103	2616	109	2762
M- Width over Tires		ft in	mm	8'2"	2485	8'5"	2574
N- Tire Tracking Width		ft in	mm	6'5"	1965	6'9"	2054
O- Steering angle		°		37.0		37.0	
P- Turn Radius, Out. Bucket		ft in	mm	20'3"	6175	21'0"	6390
Q- Turning Radius, Rear Tire		ft in	mm	18'7"	5674	18'10"	5736
Overall Parameters		L938F			L948F		
Bucket Cap, Std & Lg Boom	yd ³	m ³		2.5	1.9	3.0	2.3
Rated Load	lbs	kg		6,600	3000	8,800	4000
Operating Weight	lbs	kg		27,560	12500	32,010	14520
Full Turn Tip. Load - Hook on bucket	Std Boom	lbs	kg	14,400	6530	20,700	9388
	Lg Boom	lbs	kg	12,900	5850	18,520	8400
Max breakout force - Hook on bucket	Std Boom	lb _f	kN	16,410	73	28,100	125
	Lg Boom	lb _f	kN	15,290	68	25,850	115
Full Turn Tipping Load - Pin on bucket	Std Boom	lbs	kg	15,060	6830	21,340	9680
	Lg Boom	lbs	kg	13,404	6080	19,090	8660
Max breakout force - Pin on bucket	Std Boom	lb _f	kN	21,130	94	34,620	154
	Lg Boom	lb _f	kN	19,780	88	32,820	146

Item				Specifications*			
Drivetrain				L938F		L948F	
Torque Converter				Single Phase, 3 Elements, Single Turbine, Hydraulic Converter			
Transmission: ZF 4WG158				Fixed Axis, Electrohydraulic Shift			
Gears				4 Forward, 3 Reverse			
Speed	1st gear (F / R)	mph	km/h	5	8	4.2	6,7
	2nd gear (F / R)	mph	km/h	8	13	6.7	11
	3rd gear (F / R)	mph	km/h	15	24	12.5	20
	4th gear (F)	mph	km/h	22	36	19	31
Hydraulic System				L938F		L948F	
Type				Hydraulic Pilot Control			
Total Cycle Time, Empty		sec		≤ 8.3		≤ 9.21	
Brake System				L938F		L948F	
Service Brake				Hydraulic, Dry-Disc, SDLG			
Parking Brake				Mechanically Operated, Hyd. Release			
Steering System				L938F		L948F	
Type				Load sensing, fully hydraulic articulated steering			
Steering Pressure, Working		PSI	Mpa	2,031	14	2,320	16
Fill Capacity				L938F		L948F	
Fuel Tank		gal	L	55.5	210	55.5	210
DEF Tank		gal	L	7.9	30	7.9	30
Hydraulic Oil Tank		gal	L	33.8	128	35.7	135
Engine Oil		gal	L	4.2	16	4.2	16
Engine Coolant		gal	L	10.6	40	10.6	40
Main Drive, Front / Rear Axle		gal	L	3.4	13	4.2	16
Transmission Gearbox		gal	L	9.2	35	9.2	35
Electrical System				L938F		L948F	
Batteries		V		2 X 12		2 X 12	
Cold Cranking Amps		CCA		850.0		850.0	
Alternator Rating		W	A	2,240	80	2,240	80



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