

Reliability in Action

SDLG Graders

G9190 / G9190 VHP
G9220 / G9220 VHP

*Now available
with automatic
transmission*



G9190 / G9190 VHP / G9220 / G9220 VHP



Reliable performance and power – now in a choice of version

SDLG now offers its G9190 and G9220 graders in both a standard and VHP version.

- The G9190 features a blade width of 13 feet, with a blade pull of 9 990 kg; while the G9220 has a blade width of 14 feet with a blade pull of 10 530 kg.
- Both models are now also available in a VHP version. VHP gives the operator greater control over the grading process, with the freedom to shift easily from manual to automatic transmission and a piston pump hydraulic system that always delivers the optimum oil flow to the hydraulic functions, regardless of engine speed. In this way, VHP allows the operator to concentrate on grading with greater precision for superior results.

Based on proven technology, all SDLG graders are well balanced with excellent blade pull and blade down force.

- 1** All SDLG graders are equipped with a tandem ready to do the job. It has $\pm 16^\circ$ oscillation to keep blade level for best grading result. Equipped with a no spin differential, heavy duty bearings and heavy duty chain drive it brings you great traction and reliability.
- 2** For optimal steering and grading performance SDLG graders are equipped with a heavy-duty front axle to handle steering, wheel lean and axle oscillation.
- 3** The unique SDLG circle drive system comes with 3 support shoes and non-greasing slide bushings for better grading and easier maintenance. SDLG graders also feature an asymmetric drawbar ball stud that can be rotated 180° in order to keep the drawbar in horizontal level position – vital when performing fine grading.
- 4** SDLG is committed to making the operator's job easier and more productive. The cab is designed to offer exceptional all-round visibility; with easy-to-use industry-standard controls, comfortable seating and air conditioning as standard.
- 5** Powered by Dalian Deutz, all SDLG graders come with variable horsepower – for better grading results and more efficient fuel economy – and cruise control. All machines have 6 forward and 3 reverse gears, and a torque converter.
- 6** Maintenance access is excellent with large side and rear doors. Greasing points are easy to reach for fast and efficient daily maintenance.

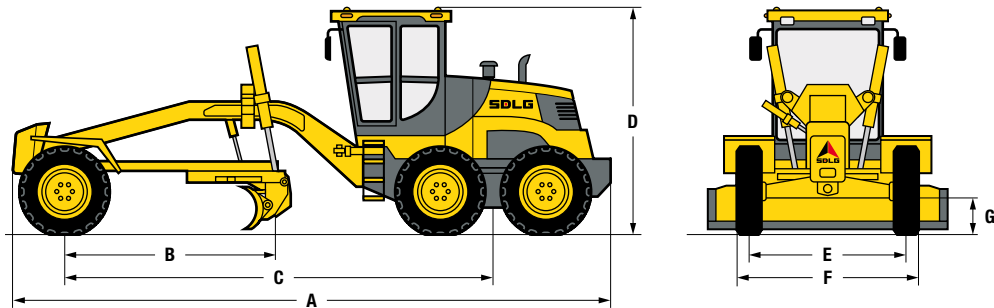


Description	units	G9190	G9190 VHP	G9220	G9220 VHP
Productivity					
Blade pull @ 0.9	kg	9 990	9 990	10 530	10 530
Blade down force	kg	8 004	8 004	8 175	8 175
Engine					
Make		Dalian-Deutz	Dalian-Deutz	Dalian-Deutz	Dalian-Deutz
Model		BF6M1013 EC	BF6M1013 EC	BF6M1013 ECP	BF6M1013 ECP
Type		In-line, watercooled, 6 cylinder, 4 stroke, electronic injection	In-line, watercooled, 6 cylinder, 4 stroke, electronic injection	In-line, watercooled, 6 cylinder, 4 stroke, electronic injection	In-line, watercooled, 6 cylinder, 4 stroke, electronic injection
Rated power	kW	146 @ 2 200	146 @ 2 200	164 @ 2 100	164 @ 2 100
Bore and stroke	mm	108 / 130	108 / 130	108 / 130	108 / 130
Displacement	ml	7 146	7 146	7 146	7 146
Emission standard		Stage II (GB 20891-2007)	Stage II (GB 20891-2007)	Stage II (GB 20891-2007)	Stage II (GB 20891-2007)
Transmission					
Make and model		Hangchi 6WG180	ZF 6WG200	ZF 6WG200	ZF 6WG200
Type		Manual	Manual / Automatic	Manual	Manual / Automatic
Cruise control		Yes	Yes	Yes	Yes
Forward gear 1, maximum speed	km/h	4.8	5	5	5
Forward gear 2, maximum speed	km/h	8.4	9	9	9
Forward gear 3, maximum speed	km/h	11	12	12	12
Forward gear 4, maximum speed	km/h	18.6	20.5	20.5	20.5
Forward gear 5, maximum speed	km/h	23	25.5	25.5	25.5
Forward gear 6, maximum speed	km/h	38	39	39	39
Reverse gear 1, maximum speed	km/h	4.8	5	5	5
Reverse gear 2, maximum speed	km/h	11	12	12	12
Reverse gear 3, maximum speed	km/h	23	25.5	25.5	25.5



- **The SDLG dual gear Circle Drive System** uses direct acting hydraulic power and two hardened drive pinions for exceptional turning and holding capability under full load.

Description	units	G9190	G9190 VHP	G9220	G9220 VHP
Circle					
Pitch diameter	mm	1 626	1 626	1 626	1 626
Adjustable circle wear plates		3	3	3	3
Hydraulics					
Type		2 × gear pump	1 × piston pump	2 × gear pump	1 × piston pump
Maximum pressure	MPa	21	21	21	21
Output	L/minute	2 x 65	160	2 x 65	160
Front axle and articulation					
Front wheel lean	°	18	18	18	18
Oscillation	° +/-	16	16	16	16
Minimum turning radius	mm	7 600	7 600	7 600	7 600
Steering arc	°	50	50	50	50
Frame articulation	°	23	23	23	23
Brakes					
Service brake system		Full hydraulic single loop drum brake	Full hydraulic double loop drum brake	Full hydraulic single loop drum brake	Full hydraulic double loop drum brake
Parking brake		Manual, inner drum on axle of transmission	Manual, inner drum on axle of transmission	Manual, inner drum on axle of transmission	Manual, inner drum on axle of transmission
Wheels					
Tyre size		17.5-25, E2	14.0-24, E2	17.5-25, E2	17.5-25, E2
PLY rating		16	16	16	16
Capacities					
Fuel tank	L	250	250	270	270
Transmission	L	28	28	28	28
Final drive	L	28	28	28	28
Tandems (each)	L	23	23	23	23
Hydraulic oil	L	132	132	132	132
Engine oil	L	25	25	25	25
Coolant	L	24	24	24	24



Description	units	G9190	G9190 VHP	G9220	G9220 VHP
Dimensions					
A. Overall length	mm	8 975	8 975	9 235	9 235
B. Blade base (ISO 7134)	mm	2 675	2 675	2 675	2 675
C. Wheel base	mm	6 480	6 480	6 480	6 480
D. Overall height	mm	3 240	3 240	3 240	3 240
E. Width - front tyre centre lines	mm	2 260	2 260	2 260	2 260
F. Width - outside tyres	mm	2 710	2 710	2 710	2 710
G. Front axle ground clearance	mm	610	610	610	610
Operating weight					
Base operating weight	kg	15 800	15 800	16 500	16 500
Over front wheels	kg	4 700	4 700	4 800	4 800
Over rear wheels	kg	11 100	11 100	11 700	11 700
Attachment weights					
Push block	kg	452	452	452	452
Parallel rear ripper	kg	1 449	1 449	1 449	1 449
Radial rear ripper	kg	1 081	1 081	1 081	1 081
Mid mount scarifier	kg	850	850	850	850
Front mount scarifier	kg	867	867	867	867
Dozer blade 9 feet	kg	1 160	1 160	1 160	1 160
Moldboard					
Width	mm / ft	3 962 / 13	3 962 / 13	4 267 / 14	4 267 / 14
Slide distance (left / right)	mm	673	673	673	673
Maximum bank sloping angle	°	90	90	90	90
7 positions blade control system		Yes	Yes	Yes	Yes
Maximum ground clearance	mm	445	445	445	445
Cutting depth	mm	787	787	787	787
Tilt forward	°	47	47	47	47
Tilt backward	°	5	5	5	5



SDLG machines are built to be like the people that own them: hardworking, genuine and reliable. Cost effective, robust machines with fuel efficient engines that are easy to operate and easy to maintain.

Everything about SDLG is designed to give you the confidence that you can complete the job to a high standard and on schedule. And when you need parts or service, you can trust your SDLG dealer to deliver on our promise.

When you buy SDLG, you're buying reliability: **Reliability in Action.**



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