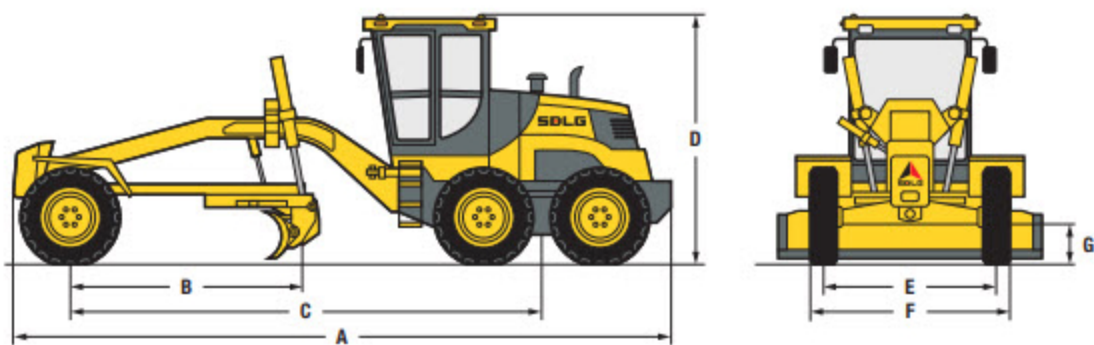


SDLG Graders: specifications



Description	units	G9138	G9190	G9190 VHP	G9220	G9220 VHP
Dimensions						
A. Overall length	mm	8 120	8975	8 975	9 235	9 235
B. Blade base (ISO 7134)	mm	2 250	2 675	2 675	2 675	2 675
C. Wheel base	mm	6 040	6 480	6 480	6 480	6 480
D. Overall height	mm	2 140	3 240	3 240	3 240	3 240
E. Width - front tyre centre lines	mm	2 070	2 260	2 260	2 260	2 260
F. Width - outside tyres	mm	2 410	2 710	2 710	2 710	2 710
G. Front axle ground clearance	mm	590	610	610	610	610
Operating weight						
Base operating weight	kg	12 100	15 800	15 800	16 500	16 500
Over front wheels	kg	3 550	4 700	4 700	4 800	4 800
Over rear wheels	kg	8 550	11 100	11 100	11 700	11 700
Attachment weights						
Push block	kg	-	452	452	452	452
Parallel rear ripper	kg	750	1 449	1 449	1 449	1 449
Radial rear ripper	kg	-	1 081	1 081	1 081	1 081
Mid mount scarifier	kg	750	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	3 657 / 12	3 962 / 13	3 962 / 13	4 267 / 14	4 267 / 14
Slide distance (left / right)	mm	500	673	673	673	673
Maximum bank sloping angle	°	90	90	90	90	90
7-position blade control system		Yes	Yes	Yes	Yes	Yes
Maximum ground clearance	mm	380	445	445	445	445
Cutting depth	mm	575	787	787	787	787
Tilt forward	°	47	47	47	47	47
Tilt backward	°	5	5	5	5	5
Front axle and articulation						
Front wheel lean	°	18	18	18	18	18
Oscillation	° +/-	16	16	16	16	16
Minimum turning radius	mm	6 500	7 600	7 600	7 600	7 600
Steering arc	°	50	50	50	50	50
Frame articulation	°	25	23	23	23	23
Productivity						
Blade pull @ 0.9	kg	7 695	9 990	9 990	10 530	10 530
Blade down force	kg	5 658	8 004	8 004	8 175	8 175
Engine						
Make		Weichai	Dalian-Deutz	Dalian-Deutz	Dalian-Deutz	Dalian-Deutz
Model		WP6G175E21	BF6M1013 EC	BF6M1013 EC	BF6M1013 ECP	BF6M1013 ECP
Type		In-line, watercooled, 6 cylinder, 4 stroke, electronic injection				
Rated power	kW	105 @ 2 200	146 @ 2 200	146 @ 2 200	164 @ 2 100	164 @ 2 100
Bore and stroke	mm	105 / 130	108 / 130	108 / 130	108 / 130	108 / 130
Displacement	ml	6 750	7 146	7 146	7 146	7 146
Emission standard		Stage II (GB 20891-2007)				
Transmission						
Make and model		ZF 6WG158	Hangchi 6WG180	ZF 6WG200	ZF 6WG200	ZF 6WG200
Type		Manual / Automatic	Manual	Manual / Automatic	Manual	Manual / Automatic
Cruise control		No	Yes	Yes	Yes	Yes
Forward gear 1, maximum speed	km/h	5	4.8	5	5	5
Forward gear 2, maximum speed	km/h	8.5	8.4	9	9	9
Forward gear 3, maximum speed	km/h	10	11	12	12	12
Forward gear 4, maximum speed	km/h	17	18.6	20.5	20.5	20.5
Forward gear 5, maximum speed	km/h	24.5	23	25.5	25.5	25.5
Forward gear 6, maximum speed	km/h	39	38	39	39	39
Reverse gear 1, maximum speed	km/h	5	4.8	5	5	5
Reverse gear 2, maximum speed	km/h	10	11	12	12	12
Reverse gear 3, maximum speed	km/h	24.5	23	25.5	25.5	25.5
Circle						
Pitch diameter	mm	1 375	1 626	1 626	1 626	1 626
Adjustable circle wear plates		3	3	3	3	3
Hydraulics						
Type		1 x piston pump	2 x gear pump	1 x piston pump	2 x gear pump	1 x piston pump
Maximum pressure	MPa	20	21	21	21	21
Output	L / minute	132	2 x 65	160	2 x 65	160
Brakes						
Service brake system		Full hydraulic single loop drum brake	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				
Wheels						
Tyre size		13.0-24TG G-2	17.5-25, E2	14.0-24, E2	17.5-25, E2	17.5-25, E2
PLY rating		16	16	16	16	16
Capacities						
Fuel tank	L	190	250	250	270	270
Transmission	L	28	28	28	28	28
Final drive	L	28	28	28	28	28
Tandems (each)	L	23	23	23	23	23
Hydraulic oil	L	140	132	132	132	132
Engine oil	L	16	25	25	25	25
Coolant	L	28	24	24	24	24