

Reliability in Action

G9220F

SDLG Graders



Customer service is first priority

SDLG focuses on delivering outstanding customer service throughout a machine's life cycle. Its integrated service management system monitors and analyzes the machine's functions to ensure that it is working at optimum capacity, while service alerts notify customers about forthcoming maintenance checks. SDLG's attention to detail is one of the ways it continues to be the industry's No. 1 in terms of customer service satisfaction.

Value-added service

SDLG's aftercare promise guarantees high quality service and offers experts who are on-hand to answer any questions or to solve problems. SDLG's service team uses advanced technology to support its maintenance checks in the field. Moreover, it aims to work with customers to define an efficient business solution.

Global service network

SDLG's worldwide service and spare parts network provides fast, efficient and professional round-the-clock service, anytime, anywhere. SDLG exceeds customers' expectations.



Congratulations SDLG for winning
EFQM Global Excellence Award
One of the top three quality awards in the world

Member of the VOVLO Group since 2007

SDLG is a member of the Volvo Group and one of the largest manufacturers of construction machinery in China, with a wide network of dealerships and service network throughout Africa and the Middle East.

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G9220F

SDLG Graders

1 Every SDLG grader is equipped with a tandem ready to do the job. It has $\pm 15^\circ$ oscillation to keep the blade level for the very best grading result. Equipped with a no-spin differential, heavy-duty bearings and heavy-duty chain drive, an SDLG tandem provides outstanding 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 supporting shoes (5 on G9290) and nongreasing 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. Every SDLG grader comes with a 7-position blade control system to facilitate all types of 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, air conditioning and ROPS/FOPS certification as standard.

5 G9220 F has Dalian Diesel and feature variable horsepower as standard – for optimum torque/speed combination and efficient fuel economy – as well as cruise control. It has 6 forward and 3 reverse gears, and a possibility to have it in automatic version. The G9290 is powered by a SDLG SD130B Stage III common rail engine for optimal performance, perfectly matched with the Manual /Automatic transmission with 8 forward and 4 reverse speeds.

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6 Maintenance access is excellent with large side and rear doors. Greasing points are easy to reach for fast and efficient daily maintenance.



SDLG Graders: equipment and features

Cab	G9220F
Adjustable steering column	S
Air conditioning	S
Seat belt	S
Mechanical seat	S
Arm rests	O
Radio	S
Sun visor	S
ROPS/FOPS	S
Laminated glass	O
Reverse camera	O
Drivetrain	
Manual Variable Horse Power	S
Automatic Variable Horse Power	-
Cruise control	S
Dual brake circuit	O
Automatic transmission	-
17.5 - 25 tyres	S
14.00 - 24 tyres	O
13.00 - 24 tyres	-
20.5 - 25 tyres	-
Fenders	O
All wheel drive	O
Engine preheater	O
Drum brakes	S
Wet brakes	O

Key ■
S = Standard equipment O = Optional equipment

Hydraulics	G9220F
10 section hydraulic control valve	S
Circle turn relief integral with main manifold	S
Cylinder accumulators	O
Blade float function	O
Variable Piston Pump	-
Moldboard	
7-position Blade Control System	S
10 ft blade	-
12 ft blade	O
13 ft blade	O
14 ft blade	S
Nylon lower slide Bearing	S
Metallic lower slide Bearing	O
Attachments	
Rear ripper	O
Front dozer blade	O
Front scarifier	O
Mid mount scarifier	O
Rear scarifier	O
Other	
Back up alarm	S
Moldboard worklights (4)	S
Cab mounted front worklights (2)	S
Rear mounted worklights (4)	S
Front mounted headlights/directional lights	S
Rear mounted brake lights/directional lights	S

■ The unique 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. The system has 3 support shoes and non-greasing slide bushings for superior grading and easier maintenance.



■ The SDLG tandem has +/- 15° oscillation to keep the blade level for the very best grading result. Equipped with a no-spin differential, heavy-duty bearings and heavy-duty chain drive, an SDLG tandem provides outstanding traction and reliability.



■ The front axle on SDLG graders is always heavy-duty and durable. With an excellent 16° oscillation and 18° wheel leaning capabilities combined with great steering angles, SDLG brings you a front axle flexible enough to handle all your grading jobs.



■ The frames of SDLG graders are of a box-type design to provide the best strength and durability. SDLG frames are prepared to take all attachments from the factory, for best performance. The excellent frame articulation gives you outstanding maneuverability and short turning circles.



■ The operator environment has been designed with safety and productivity in mind. Cabs are ROPS/FOPS certified, with large glass areas for best visibility, an adjustable steering column and air conditioning for best operator comfort.



■ Blade pull and blade down forces are best in class. This is achieved by optimum weight distribution and design. High blade pull force means that you will have the ability to move high loads on your blade, while high blade down force gives you the ability to steer with higher loads on your blade.



SDLG Graders: Attachment

A lot of attachment can be equipped to meet your working task

■ Push block



■ Parallel rear ripper



■ Radial rear ripper



■ Mid mount scarifier



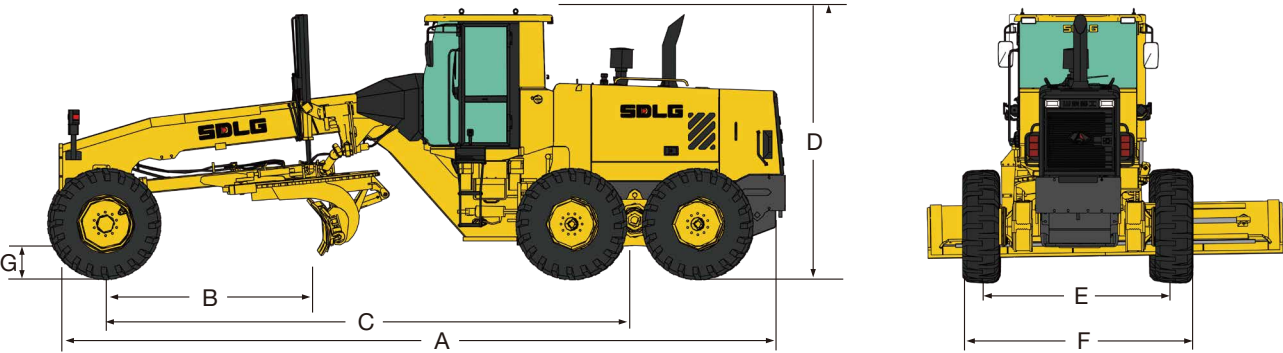
■ Front mount scarifier



■ Dozer blade size feet



SDLG Graders: specifications



Description	units	G9220F
Dimensions		
A. Overall length	mm	9235
B. Blade base (ISO 7134)	mm	2675
C. Wheel base	mm	6480
D. Overall height	mm	3240
E. Width - front tyre centre lines	mm	2260
F. Width - outside tyres	mm	2710
G. Front axle ground clearance	mm	610
Operating weight		
Base operating weight	kg	16500
Over front wheels	kg	4800
Over rear wheels	kg	11700
Attachment weights		
Push block	kg	452
Parallel rear ripper	kg	1449
Radial rear ripper	kg	1081
Mid mount scarifier	kg	850
Front mount scarifier	kg	867
Dozer blade 9 feet	kg	1160
Moldboard		
Width	mm / ft	4267 / 14
Slide distance (left / right)	mm	673 / 673
Maximum bank sloping angle	°	90
7-position blade control system	mm	Yes
Maximum ground clearance	mm	445
Cutting depth	°	787
Tilt forward	°	47
5		
Front axle and articulation		
Front wheel lean	°	18
Oscillation	° +/-	16
Minimum turning radius	mm	7600
Steering arc	°	50
Frame articulation	°	23
Ground clearance	mm	610

Description	units	G9220F
Productivity		
Blade pull @ 0.9	kg	10530
Blade down force	kg	8175
Engine		
Make		Dalian-Deutz
Model		BF6M1013 ECP
Type		In-line, watercooled, 6 cylinder, 4 stroke, electronic injection
Rated power	kW	164 @ 2100
Bore and stroke	mm	108 / 130
Displacement	ml	7146
Emission standard		Stage II (GB 20891-2007)
Transmission		
Make and model		ZF 6WG200
Type		Manual
Cruise control		Yes
Forward gear 1, max speed	km/h	5
Forward gear 2, max speed	km/h	9
Forward gear 3, max speed	km/h	12
Forward gear 4, max speed	km/h	20.5
Forward gear 5, max speed	km/h	25.5
Forward gear 6, max speed	km/h	39
Forward gear 7, max speed	km/h	-
Forward gear 8, max speed	km/h	-
Reverse gear 1, max speed	km/h	5
Reverse gear 2, max speed	km/h	12
Reverse gear 3, max speed	km/h	25.5
Reverse gear 4, max speed	km/h	-
Circle		
Pitch diameter	mm	1626
Adjustable circle wear plates		3
Hydraulics		
Type		2 × gear pump
Maximum pressure	MPa	21
Output	L / minute	2 x 65
* 1 x Piston Pump for working + two gear pumps (one for brake, one for radiator)		
Brakes		
Service brake system	Full hydraulic single loop drum brake	
Parking brake	Manual, inner drum on axle of transmission	
Wheels		
Tyre size		17.5-25, E2
PLY rating		16
Capacities		
Fuel tank	L	270
Transmission	L	28
Final drive	L	28
Tandems (each)	L	23
Hydraulic oil	L	132
Engine oil	L	26
Coolant	L	30

* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change. Illustrations in the text may not always be the standard illustrations for this model.