

SDLG Dealer Network

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Reliability in Action



G9138 MOTOR GRADER

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POWER YOUR LONG TERM PROFIT

Choosing a SDGL G9138 Grader will give you a machine and a partner whom you can trust. Precision and reliability is the continuous process for SDLG and the result is G9138. The classic combination of the power, the speed, the maneuverability are the results of environment-friendly BS III Engines, ZF Transmissions. SDLG axels coupled with superb hydraulics and excellent sealing system. It is a state-of-the-art machine that gives you higher profitability and productivity.

BS III low-emission engine

The BS III engine is environment friendly. The engine is known for low fuel consumption, and low emissions as per ARAI standards. The engine is designed to reduce sound level in the cab to ensure even better operator comfort and performance. G9138 motor grader having variable HP controls switch, selects high, mid and lower power according to the job requirement. The Turbo charged, low-emission, high-performance engine and its Electronic engine control unit regulates fuel for optimal performance in all operating conditions.

Transmission

ZF Electronically controlled ZF6WG158 Fully automatic Transmission with manual over ride is proven for fast and efficient work cycles. Equipped with 6 forward / 3 reverse for efficient grading or cleanup work.

Axles

SDLG Axles are an integrated part of the drive train. It adopts the strengthened driving axle featuring top class technology and performance. It provides greater bearing force, machine stability and top class reliability.

Large Drawbar Pull

The TIER III engine features output power of 111KW (150HP) and high torque along with the high operating weight, the G9138 produces a high drawbar pull which makes it a perfect machine for heavy duty grading jobs.

Hydraulic System

Patented hydraulic control mechanism is adopted, which makes the operation more operator friendly, more production and increased reliability. Working pump matched with the engine power greatly increases the production efficiency. Improved seal structure adopted for the whole hydraulic hoses increases the sealing reliability.

High Stability

The SDLG grader comes with an excellent weight distribution on the front and rear wheels. Major weight distribution of the rear, which gives the machine power and traction and less weight is on the front axle, which gives the machine control. G9138 is equipped with large blade force to ensure easy penetration, thus reduces number of passes.

Articulated Frame

The G9138 is equipped with 25 degree articulated frame coupled with minimum turning radius of 6.5 meter helps the operator to maneuver this machine according to the situation. Straight frame with articulation ensures quality of grading, offset grading, sharp turning and locating the drive wheels so that it should not affect the prepared ground.

Comfortable work place with Excellent Visibility

SDLG provides excellent work place for the operator. The canopy is ergonomically designed.

Drawbar, Circle and Moldboard

- The excellent drawbar design allows the addition of an optional mid-mount scarifier without compromising the blade positioning in extreme reach positions.
- The circle is capable to take high stress loads.
- The moldboard provides maximum curvature with hydraulically controlled moldboard tilt, helps in grading all types of soil efficiently.
- The blade can be positioned according to the desired bank cutting angle upto 90 degrees on either side.
- The high blade rotating speeds allow faster production and reduces number of passes.

Front Mounted utility dozer blade

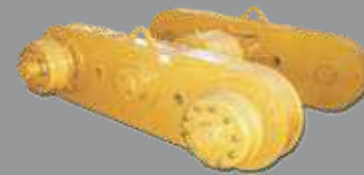
An optional utility dozer blade is available



ARAI Certified Tier III Engine
Turbo charged electronically controlled low emission fuel efficient engine



ZF6WG158 Fully Automatic Powershift Transmission with 6 forward 3 reverse



Rear Axle
World class proven SDLG Axles for high reliability and long better life

Moldboard
Standard moldboard length is 12ft

Mid-mount Scarifier
An optional mid scarifier is positioned between the front axle and the circle to break up compacted soil.

The blade can then move after loosening the surface for excellent finish and all in a single pass.



THE MACHINE YOU CAN ALWAYS TRUST



Fuel Efficient, low-emission, high performance Engine

- ARAI certified BS III
- Electronically controlled Turbocharged 4 cylinder Engine
- Variable HP control switch
- 3 different working modes result in better performance and better fuel consumption in various working condition and application

In-house manufactured component

- SDLG's in-house manufactured Drawbar and centre circle are tailored to work together results greater optimum production.



Cruise control

- G9138 is equipped with automatic cruise control, that can relieve operators fatigue results higher productivity.

Attachments

- By means of hydraulically operated standard and optional attachments G9138 can be used in varied application.
- Attachments tailored the grader exactly for the application.

Hydraulic system

- High performance hydraulic cylinders connected with best and heavy duty hoses.
- Excellent Hydraulic sealing
- Hydraulically operated lock pin ensures easy operation during bank and canal slope cutting tons.



Easy maintenance means higher availability

- Easily accessed hatches and service points
- Tightly grouped pressure checked connection
- Easy accessed Lubrication points give more time for productive work
- Ergonomically designed ladder and hand rails with anti slip steps, for greater safety

ZF Power Shift Transmission

- ZF electro-hydraulic control shifting and high comfort
- Six forward, Three reverse

SDLG frames

- SDLG patented design front and rear frame structure, ensures load sharing between front and rear frames
- High - quality steel provides stress resistant and operational stability
- Well-organized articulation joint provides visual appeal and reliability

Mouldboard

- SDLG mouldboard are designed to provide superior productivity, high reliability and long life cutting edges
- Hardened side cutting edges provide excellent durability and life

Optional Attachments

- Front Utility Dozer Blade
- Midmount Scarifier

TRUSTED BUSINESS PARTNER FOR LIFE.

When you add a SDLG Motor Grader for your business, you get a construction machine of the highest quality. But of course, even the best machines need service and maintenance to ensure uninterrupted productivity as they are today. Customer Support will help you to monitor your machine and your owning and operating costs.

We care about your operating – anywhere anytime

SDLG Construction Equipment and SDLG Motor Grader are supported by professional Customer Support organization, providing parts supply, after sales services and training.

All this gives customer benefits through controlled owning and operating costs. When you add a SDLG Motor Grader in your fleet, the availability of good service and genuine SDLG parts are just as important as the price. With all the products and resources we have at our disposal, we can offer you the best support. Anywhere, anytime.



Genuine SDLG parts leave nothing to chance

Each genuine SDLG part is developed for and manufactured together with all other machine components. It's a complete system where each part works in perfect harmony with other parts. Only by using genuine parts can you be sure that your machine retains the qualities and features we gave it from the beginning.

G9138 Standard Features

- BF4M1013-15T3R/2 Engine
- 6F/3R Power shift Hydro Electric Control ZF6WG158 Transmission
- Cruise Control
- 14x24 Tire
- Steering knob
- Fuel gauge
- Hour meter
- Speedometer
- Warning and indicator lights
- Adjustable seat and steering pedestal
- Radio with MP3 Player
- 2 front heat lights
- Parking lights
- Brake and tail lights
- Turn signals with flashing hazard light function
- Instrumental lightings
- Back-up alarm
- Exterior rear view mirrors
- Interior rear view mirrors

Selectable Options

- Front Dozer
- Mid mount scarifier

SPECIFICATIONS

Model		G9138		Dimensions G9138	
Engine Model	BF4M1013-15T3R/2			A. Overall Length	mm 8120
Engine Standard	BS III			B. Blade Base	mm 2250
Engine Power hp (Gross)	150 @ 2100 rpm			C. Wheel Base	mm 6040
Maximum Torque Nm	625 @ 1500 rpm			D. Width-Front Tire Center lines	mm 2500
Cruise Control	Yes			E. Width-Outside Tires	mm 2410
Power modes	Yes			F. Overall Height	mm 3200
Power Train				Blade Range	
Transmission ZF 6WG 158	Torque Converter			Standard Moldboard mm	3636 x 635 x 22
Transmission Gears	6 forward / 3 reverse			Circle Pitch Diameter mm	1375
Braking System	Hydraulic brake system			Ground Clearance of Mold board mm	388
Brake Control	Foot service brake / manual parking brake			Mold Board cutting depth mm	575
Operating Specification				Mold Board tilt angle backward	
Driving Speed	Kmph	F1-4.8	R1-4.5	Mold Board Tilt	47°
		F2-8.5	R2-10	Mold Board slide range mm	Left / Right 500
		F3-10	R3-24.5	Max Traction Force KN	75.4
		F4-17		Rotating degree of Mold Board	360°
		F5-24.5		Blade down force Kg	5650
		F6-39		Blade (rim) pull kg	7690
Vehicle Weight				Blade base mm	
Base Vehicle Weight Kg	12100	Others		Max Bank Sloping angle	
Front Frame Weight Kg	3550	Engine side covers	Yes	Circle Diameter mm	
Rear Frame Weight Kg	8550	Tires	14 x 24	Circle turn system	
Attachment optional				Blade impact protection	
Front Dozer	Yes	Capacities in Liters		Yes (relief valve)	
Mid Mount Scarifier	Yes	Fuel Tank Capacity	190	Max grade ability	
Hydraulic System				Steering angle of Front Axle	
Hydraulic System	Open Loop System	Engine Oil	16	20°	
Pump Type	Gear Type	Transmission	28	Turning Radius M	
Pump Flow	48.8 *2 LPM	Final Drive	25	6.5	
Steering System	Load Sensing	Tandems Each	21	Wheel Lean Angle	
Number of Steering cylinders	2	Hydraulic Oil Tank	140	18°	
				Front Axle oscillation Angle	
				16°	
				Frame Articulation Angle	
				25°	
				Differential Action	
				No Spin Differential	

