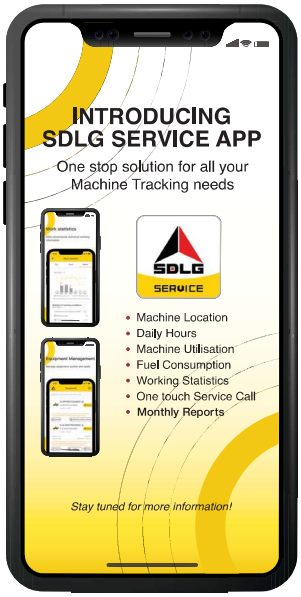
YourGrowthMachine

Grader
G9240F
To maintain the mining haul roads



Gross Power: 240 hp @ 2200rpm

Operating Weight: 18000 KG

Member of the Volvo Group

G9240F

Mining Grader to maintain the mining haul roads

Power your long rerm profit

Choosing a SDLG G9240F 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 G9240F. The classic combination of the power, the speed the maneuverability are the results of eco-friendly electronic engines, ZF Transmissions, SDLG axles couples with superb hydraulics and excellent sealing system. It is a state-of-the-art machine that gives you higher profitability and productivity.

Efficient Electronic Engine
Turbo charged electronically controlled fuel efficient and high performing engine.

ZF 6WG200
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 lvength is 14ft
The blade can then move after loosening the surface for excellent finish, and all in a single pass. The V-type scarifier can accomodate 5 to 11 teeth.

Rear Ripper
The G9240F optional ripper is made to penetrate material fast and smooth thoroughly.

G9240F

The machine you can always trust

Fuel efficient, high performance engine

- Electronically controlled trubocharged 6-cylinder engine
- Variable HP Control Switch
- 4 different working modes result in better performance and better fuel consumption in various working condtions and applications

Hydraulic system

- Load sensing hydraulic system for better efficiency
- High performace 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
- Standard blade overload protection system to protect the system in case of excess load

In-house manufactured components

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

Cruise Control

- G9240F is equipped with automatic cruise control, that can relieve operators fatigue resulting in higher productivity.

Attachments

- By means of hydraulically operated standard and optional attachments G9240F can be used in varied applications
- Attachments tailored the grader exactly for the application

Easy maintenance

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

Cabin

- ROPS / FOPS Certified AC Cabin
- Easily accessed hatches and service points
- Tightly grouped pressure checked connection
- Ergonomically designed ladder and hand rails with anti-slip steps for greater safety

ZF Power shift automatic 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 sharinf between front and rear frames
- High-quality steel provides stress resistance and operational stability
- Well-organised articulation joint provides visual appeal and reliability

Mouldboard

- SDLG mouldboards 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
- Rear Mount Ripper

*The illustration may include optional equipment.

Technical Specifications
Standard Equipment

Engine	
Engine model	BF6M1013-24T3R
Engine Type	In-line, water-cooled, four-stroke, direct injection
Gross Power hp @ 2200 rpm	240
Maximum torque Nm @ 1600 rpm	950
Displacement (ml)	7146
Number of cylinders	6
Bore / stroke (mm)	108 /130
Transmission System	
Make & Model	ZF6WG 200
Type	Automatic power shift / Counter-shaft
No. of gears	F6 and R3
Torque convertor	Single stage, single phase ternary part
Machine speed F1, F2, F3, F4, F5, F6 (km/h)	0~5 / 9 / 12 / 20.5 / 25.5 / 39
Machine speed R1, R2, R3	0~5 / 12 / 25.5
Rear Axle & Tandem	
Make	SDLG
Ground clearance (mm)	430
Differential	No slip
Oscillation (^{0})	$\pm 15^0$
Front Axle	
Oscillation (^{0})	$\pm 16^0$
Wheel Lean (^{0})	$\pm 18^0$
Ground Clearance (mm)	610
Hydraulic system	
Type	Load sensing
Pump	Variable piston pump
Rated flow	75
Rated pressure	20±0.35
Steering system	
Type	Load sensing
Steering angle (^{0})	$\pm 50^0$
Turning radius (mm)	7600
Brake system	
Service brake	MICO singel circuit system with nitrogen charged accumulators. Outboard mounted hydraulically operated
Parking brake	Mechanical control on transmission

Cabin	
AC	Standard with dual filters
Operator seat	Mechanical suspension seat
Music system	MP3 Player with blue-tooth mobile connection
Seat belt	Standard
Electrical System	
Voltage	24V
Batteries	2
Mold Board Turn Circles & Blade Range	
Moldboard lift above ground	445
Blade width (mm)	635
Blade length (mm)	4268
Blade tilt angle (^{0})	90
Blade down force	8947
Blade slewing angle (^{0})	360
Cutter diameter (mm) (kN)	1626
Blade Max. Depth in ground (mm)	787
Noise dB	
Operator ear level	74
Pass by	107
Tyres	
Tyre size	17.5 - 25 Ply rating 16PR
Operating weight	
Front axle	5400
Rear axle	12600
Total machine	18000
Standard features	
ROPS / FOPS Certified AC Cabin	
Blade Overlad Protection System	
LED Working Lights	
Perforated Steps	
Backup Alarm	
Wiper	
Automatic Cruise Control	
SDLG Telematics System	
Cyclone Precleaner	
Extra LED Lights on the rear hood	
Adjustable steering column	
Rotation beacon light	
Safety hand rails on the engine hood	

Optional Attachments
Front Dozer
Rear Ripper
Mid Mount Scarifier

Dimensions	
A. Overall length (mm)	9800
B. Blade base (mm)	2569
C. Wheel base (mm)	6480
D. Wheel track (mm)	2270
E. Overall width (mm)	2710
F. Overall height (mm)	3240

Refill Capacities		
Description	**Capacity**	**Change Interval**
Engine Oil	26	Every 500 hours
Transmission Oil	28	First 50 & Every 1000 hours
Rear axle (including tandem)	69	First 50 & Every 1000 hours
Hydraulic Oil	132	Every 2000 hours
Coolant	30	Every 2000 hours