

G9190Hi

Motor Grader

Precision & Performance
for Every Terrain



Operating Weight: 16200 kg
Rated Engine Power: 200 hp
Moldboard Length: 12 ft
CEV - V Certified

Your Reliable Partner

G9190Hi

Motor Grader



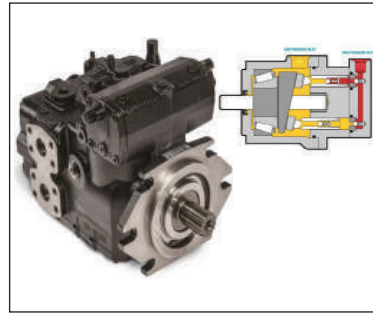
G9190Hi is a product of high speed, high efficiency, high accuracy and multiple purposes developed by SDLG with advanced technology, can be used for ground leveling and grooving, scraping slope is widely used in construction operating condition of road, airport, defense engineering, mine construction, and so on.

Proven Reliability



Heavy-duty structures to tackle tough & heavy work, maintenance-free connecting rockers.

High Efficiency



Load-sensing hydraulic system for smooth control. Variable axial piston pump.

Operator Comfort



Spacious ROPS/FOPS Level-2 Certified A/C Cabin.

Refined Design



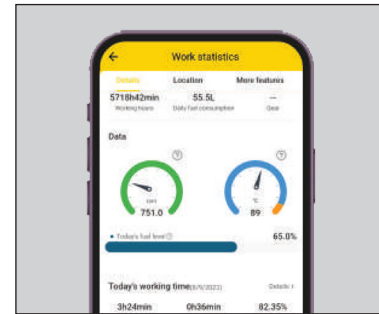
Patented dual-cylinder mould board circle turning for superior grading power.

Ergonomic Controls



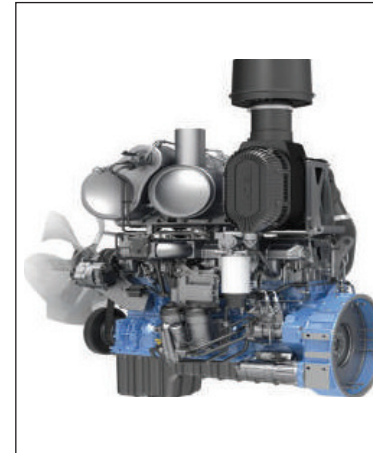
Ergonomic controls with LCD Display for fuel tracking & diagnostics.

Advanced Telematics



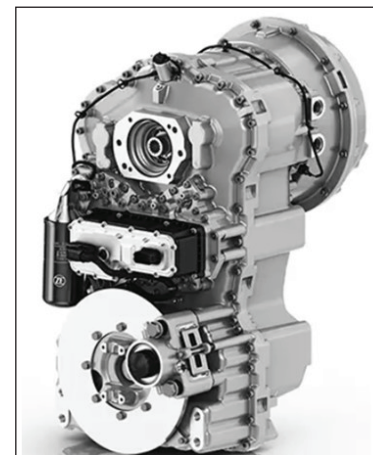
Telematics system for real-time performance insights.

Built to Perform



Engine

- 200 HP, 990 Nm Torque, Fuel-Efficient CEV V Engine
- 4 Power Mode Selection for workload adaptability
- Automatic Cruise Control System for enhanced efficiency



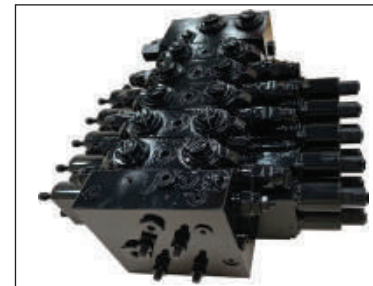
Transmission

- ZF 6BP210 Electronic Power Shift Automatic Transmission with 6F & 3R gears
- Heavy-duty rear axle for improved traction and longevity



Hydraulic System

- Load Sensing Steering System for finer blade adjustments
- Advanced hydraulics with variable piston pump for energy savings
- High-performance cylinders with counter balance valves for heavy load grading



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CONVENIENCE & SAFETY

- Ground level access for lubricating points
- Reverse Camera with display
- 3 Point contacts & anti slip perforated plates
- Extra working lamps
- Rotating Beacon

STRUCTURE

- Patented dual cylinder turn circle
- Maintenance-free connecting rockers
- Heavy-duty frames & structure

CABIN

- Spacious ROPS / FOPS Certified A/c Cabin
- Cabin Fan
- Windshield Wipers
- Ergonomically designed controls
- Adjustable suspension Seats with Hand rest

ENGINE

- Fuel Efficient CEV-V Certified CRDI Engine
- 4Power Selection Modes
- Variable Horse Power (VHP)
- Higher Power & Torque
- Auto Cruise control



OTHERS

- Optional Front Dozer, Mid Scarifier & Rear Ripper attachments
- SDLG Telematics with Mobile App

HYDRAULIC

- Advanced load sensing hydraulics & steering system
- Variable displacement pump
- Smooth operating levers

TRANSMISSION

- Heavy Duty electronic counter shaft Automatic Transmission
- Power shift with 6F & 3R Gear

AXLES

- SDLG HD Rear Axles
- Reinforced drive shafts
- Reliable Full hydraulic brake

*The illustration may include optional equipment.

SAFETY FEATURES



Reverse camera for better visibility



Extra Working lights, reverse horn, and rotating beacon for better visibility in low light conditions



Handrails on engine hood for safe access to maintenance areas



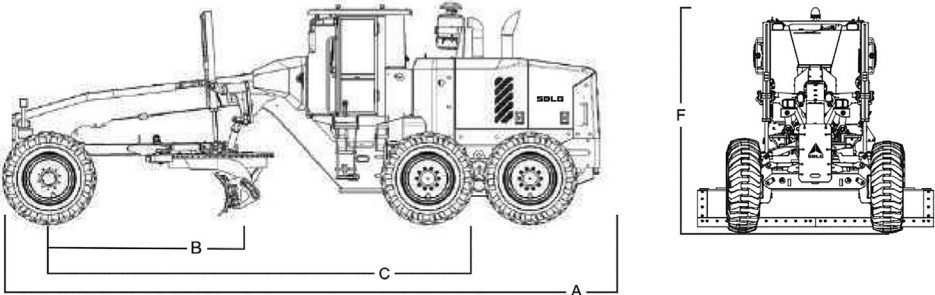
Seat belt, 3-point climbing access, and anti-slip perforated plates

G9190Hi - Technical Specifications

Standard Equipment

Engine		G9190Hi
Engine model	WP8G203E671	
Engine type	In-line, water-cooled, four-stroke, direct injection	
Rated Engine Power (hp)	200 @ 2200 rpm	
Maximum torque (N.m)	990 @ 1500 rpm	
Displacement (ml)	7800	
Number of cylinders	6	
Bore / stroke (mm)	110 / 136	
Transmission System		
Make & Model	ZF & 6BP210	
Type	Automatic power shift, counter shaft	
No. of gears	F6 and R3	
Torque converter	Single-stage, single phase ternary parts	
Machine speed F1/F2/F3/F4 /F5/F6 (km/h)	0~5.5 / 8.5 / 13.5 / 20 / 20.5 / 42	
Machine speed R1/R2/R3 (km/h)	0~5.6 / 14 / 31	
Rear Axle & Tandem		
Make	SDLG	
Ground clearance (mm)	430	
Differential	No slip	
Oscillation (°)	±15	
Front Axle		
Oscillation (°)	±16	
Wheel Lean (°)	±18	
Ground clearance (mm)	610	
Hydraulic System		
Type	Load sensing	
Pump	Variable piston pump	
Rated Flow (LPM)	113	
Rated pressure	20±0.35	
Steering System		
Type	Load-sensing	
Steering angle (°)	±50	
Turning radius (mm)	7600	
Brake system		
Service brake	MICO single circuit system with nitrogen charged accumulators outboard mounted hydraulically operated	
Parking brake	Mechanically control on transmission	
Cabin		
AC	Standard with dual filters	
Operator seat	Mechanical suspension seat	
Music system	MP3 player with bluetooth mobile connection	
Seatbelt	Standard	
Noise dB		
Operator ear level	81	
Pass by	106	
Tyres		
Tyre size	17.5 x 25 Ply rating 16PR	

Electrical system		
Voltage	24V	
Batteries	2	
Moldboard Turn Circles & Blade Range		
Moldboard lift above ground	445	
Blade width (mm)	635	
Blade length (mm)	3658	
Blade tilt angle (°)	90	
Blade down force (kgf)	7800	
Blade slewing angle (°)	360	
Cutting diameter (mm)	1626	
Blade max. depth in ground (mm)	787	
Operating weight - Standard Machine		
Front axle	4700	
Rear axle	11500	
Total machine	16200	
Standard features		
ROPS / FOPS Certified AC cabin		
4 Power mode selection option		
LED working lights		
Perforated steps		
Backup Alarm		
Wiper		
Automatic Cruise Control		
SDLG Telematics system		
Cyclone pre cleaner		
Extra LED lights on the rear hood		
Adjustable steering light		
Rotating beacon light		
Safety hand rails on the engine hood		
Refill Capacities		
Description	Capacity	Change Interval
Engine Oil	22	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
Optional Attachments		
Front dozer		
Rear ripper		
Mid mount scarifier		
Dimensions		
A. Overall length (mm)	9095	
B. Blade base (mm)	2569	
C. Wheel base (mm)	6480	
D. Wheel track (mm)	2270	
E. Overall width (mm)	2710	
F. Overall height (mm)	3477	



Your reliable partner

Motor Grader G9190H / Aug 2026



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We reserve the right to change specifications and design without prior notice.
The illustrations do not necessarily show the standard version of the machine.

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