# G9150Hi

## Motor Grader

## The Road Specialist

Operating Weight : 14075 kg

Rated Engine Power : 150 hp

Moldboard Length : 12 ft

CEV - V Certified




Your Reliable Partner

This versatile and medium-sized **G9150Hi** grader is developed by incorporating advanced technology and is known for its high speed, efficiency, and accuracy. Can be used for ground leveling and grooving, scraping slope is widely used in road construction & site preparation.

## PROVEN RELIABILITY



Heavy-duty Structures to tackle tough & heavy work

## HIGH EFFICIENCY



Energy-efficient hydraulic system for precise control

## OPERATOR COMFORT



ROPS/FOPS-certified cabin with ergonomically designed controls

## REFINED DESIGN



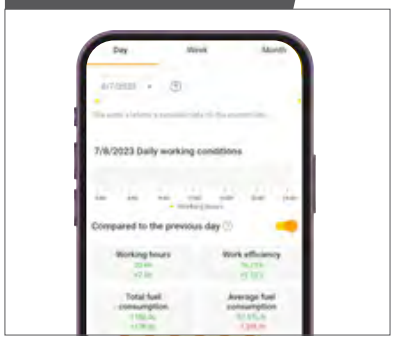
Patented dual-cylinder swing system for superior grading power

## ERGONOMIC CONTROLS



Ergonomic controls with LCD Display for fuel tracking & diagnostics

## ADVANCED TELEMATICS




Telematics system for real-time performance insights



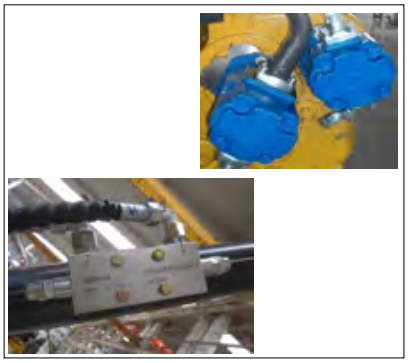
## ENGINE

- 150 HP, 720 Nm Torque, Fuel-Efficient CEV V Engine
- 4 Power Mode Selection for workload adaptability
- Automatic Cruise Control System for enhanced efficiency



## TRANSMISSION

- ZF 6WG158 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 optimal maneuverability
- Advanced hydraulics for enhanced performance
- High-performance cylinders for heavy-load grading

## SAFETY FEATURES



Reverse Camera for better visibility




LED lights, reverse horn, and rotating beacon for visibility




Handrails on engine hood for safe access to maintenance areas



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

# G9150Hi
## Motor Grader

### ENGINE

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

### TRANSMISSION

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

### CONVENIENCE & SAFETY

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

### HYDRAULIC

- Single Joystick Pilot Control
- Proven & reliable hydraulic components
- Load sensing steering

### CABIN

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




### OTHERS

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

### STRUCTURE

- Patented dual cylinder turn circle
- Maintenance free connecting rockers
- Heavy Duty Frames & structue
- Optimized & Reinforced boom & Z bar Linkage

### AXLES

- SDLG HD Dry Axles
- Reinforced drive shafts
- Reliable Air over hydraulic disc brake

*The illustration may include optional equipment.

# G9150Hi - Technical Specifications

## Standard Equipment

### Engine

| | |
|---|---|
| Engine model | WP4.6NG150E635 |
| Engine type | In-line, water-cooled, four-stroke, direct injection |
| Rated Engine Power (hp) | 150 @ 2200 rpm |
| Maximum torque (N.m) | 720 @ 1500 rpm |
| Displacement (ml) | 4580 |
| Number of cylinders | 4 |
| Bore / stroke (mm) | 108 / 125 |

### Transmission System

| | |
|---|---|
| Make & Model | ZF & 6WG158 |
| Type | Automatic power shift, Counter- shaft |
| No. of gears | F6 and R3 |
| Torque converter | Single stage, single phase three elements |
| Machine Speed (Km/h) F1, F2, F3, F4, F5, F6 | 0 ~ 5.5 / 9 / 11 / 18 / 25 / 42 |
| Machine speed R1, R2, R3 | 0 ~ 5.5 / 9 / 11 / 25 |

### Rear Axle & Tandem

| | |
|---|---|
| Make | SDLG |
| Ground clearance (mm) | 400 |
| DIfferential | No slip |
| Oscillation (°) | ±15 |

### Front Axle

| | |
|---|---|
| Oscillation (°) | ±16 |
| Wheel Lean (°) | ±18 |
| Ground Clearance (mm) | 590 |

### Hydraulic system

| | |
|---|---|
| Type | Open type system |
| Pump | Fixed displacement pump |
| Rated Flow (LPM) | 165 |
| Rated pressure | 18 |

### Steering system

| | |
|---|---|
| Type | Load sensing |
| Steering angle (°) | ±50 |
| Turning radius (mm) | 6500 |

### Brake system

| | |
|---|---|
| Service brake | MICO single circuit system with nitrogen charged accumulators outboard mounted hydraulically operated |
| Parking brake | Mechinical control on transmission |

### Cabin

| | |
|---|---|
| AC | Standard with dual filters |
| Operator seat | Mechanical suspension seat |
| Music system | MP3 Player with bluetooth mobile connection |
| Seat belt | Standard |

### Noise dB

| | |
|---|---|
| Operator ear level | 81 |
| Pass by | 105 |

### Electrical System

| | |
|---|---|
| Volatage | 24V |
| Batteries | 2 |

### Tyres

| | |
|---|---|
| Tyre size | 14 x 24 - 16PR |

### Moldboard Turn Circles & Blade Range

| | |
|---|---|
| Moldboard lift above ground | 380 |
| Blade width (mm) | 585 |
| Balce length (mm) | 3658 |
| Blade tilt angle (°) | 90 |
| Blade down force (kgf) | 6563 |
| Blade slewing angle (°) | 360 |
| Cutting diameter (mm) | 1375 |
| Blade max. depth in ground (mm) | 575 |

### Operating weight - Standard Machine

| | |
|---|---|
| Front axle | 4115 |
| Rear axle | 9960 |
| Total machine | 14075 |

### 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 precleaner
Extra LED lights on the rear hood
Adjustable steering light
safety hand rails on the engine hood

### Refill Capacities

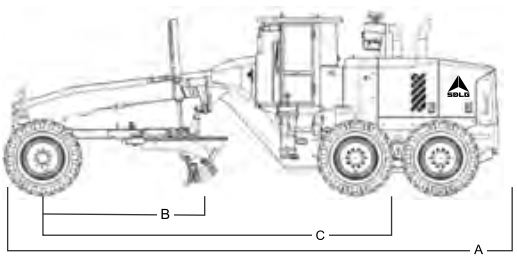
| Description | Capacity | Change Interval |
|---|---|---|
| Engine Oil | 12 | Every 500 hours |
| Transmission Oil | 28 | First 50 & Every 1000 hours |
| Rear axle (including tandem) | 69 | First 50 & Every 1000 hours |
| Hydraulic Oil | 90 | Every 2000 hours |
| Coolant | 30 | Every 2000 hours |

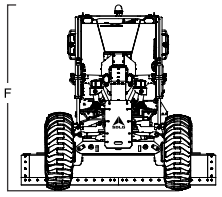
### Optional Attachments

Front dozer
Rear ripper
Mid mount scarifier

### Dimensions

| | | |
|---|---|---|
| A. | Overall length (mm) | 8241 |
| B. | Blade base (mm) | 2253 |
| C. | Wheel base (mm) | 6040 |
| D. | Wheel track (mm) | 2070 |
| E. | Overall width (mm) | 2470 |
| F. | Overall height (mm) | 3457 |



# Your reliable partner






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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.