



Engine
Operating Weight
Rated Power
Standard Blade
Cabin

Ashok Leyland
16,200 Kg
180 hp @ 2200 rpm
3,660 mm
Air Conditioned

4180D

MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

4180D SPECIFICATIONS



OPERATING WEIGHT

Standard Operating Weight	16,200 Kg
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ENGINE

Manufacturer	Ashok Leyland
Model	H6C518022
Gross Power	180 hp @ 2200 rpm
Peak Torque	700 Nm @ 1400-1700 rpm
Displacement	5.7 L
Number of Cylinders	6
Emission	CEV-V

TRANSMISSION

Transmission Make	ZF6WG200
Transmission Type	Powershift Transmission
Torque Convertor	Three Member Single Turbine
Transmission Configuration	6 Fwd/3 Rev
Max. Forward Speed	40 Km/hr
Max. Backward Speed	26 Km/hr

AXLES

Rear Axle Make	LiuGong
Differential Type	No-Spin & Anti-Skid
Final Drive Type	Chain Drive
Front Axle Type	All Welded Steel Frame
Front Axle Wheel Lean Angle	Left/Right 18°
Rear Axle Oscillation	±16°

BRAKE SYSTEM

Service Brake	Hydraulic
Service Brake Actuation	Hydraulic
Parking Brake	Manual, Mechanical Drum Brake
Parking Brake Actuation	Manual

HYDRAULIC SYSTEM

Main Pump Type	Gear Pump
Main Relief Pressure	20 Mpa

ELECTRICAL SYSTEM

System Voltage	24V
Battery	150Ah, 12V X 2

STEERING SYSTEM

Steering Type	Front Wheel / Articulated Steering
Pump Type	Gear Pump
Steering Relief Pressure	16.7 Mpa
Min. Turning Radius	7.2 m
Frame Articulation Angle	± 27°
Steering Angle	± 50°

CABIN STANDARD FEATURES

Air Conditioned
I-Link
Ergonomically Designed ROPS & FOPS
Rear View Camera
Mechanical Suspension Seat

SERVICE CAPACITIES

Fuel Tank	280 L
Cooling System	40 L
Adblue	24 L
Engine Oil	18 L
Transmission & Torque Convertor	33 L
Axle Oil	213 L
Hydraulic Reservoir	115 L

MOLDBOARD PERFORMANCE

Moldboard Lift Above Ground	600 mm
Blade Height	610 mm
Blade Length	3660 mm
Blade Tilt Angle	90°
Cutting Angle	28°-74°
Slewing Angle	360°
Blade Max. Depth In Ground	≥680 mm

AIS160 (Part 1 & Part 2) COMPLIANT



LiuGong Advanced Telematic System

Mapping & Tracking | Geofencing | Utilization
Report | Service Management

WORKING CAPACITIES

Blade Ground Pressure	≥7,600 kg
Max. Drawbar Pull	83 kN

TIRES

Standard	17.5-25 PR16
Optional	14.00-24 PR12

DIMENSION

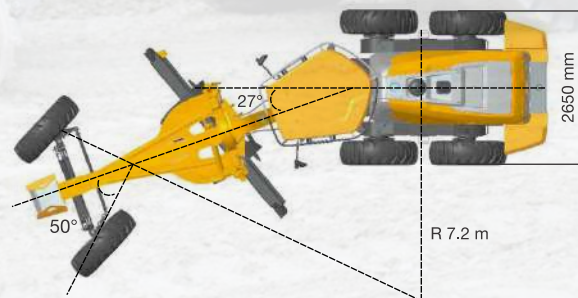
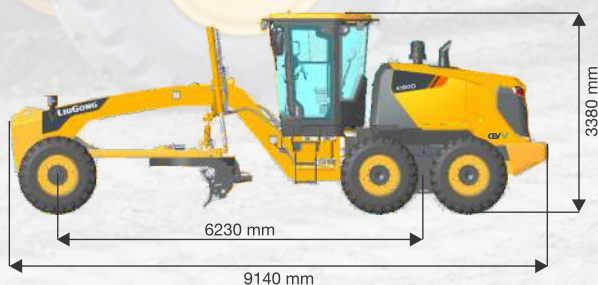
Overall Length	9140 mm
Overall Width	2650 mm
Overall Height	3380 mm
Wheel Base	6230 mm
Min. Road Clearance	448 mm
Note: Standard Equipment Transport Condition	

OPTIONAL EQUIPMENTS

Ripper	
Dozer	
Scarifier	
Blade	10ft/13ft
Cold Start Kit	
Air Suspension Seat	
Auto Levelling System	

DGMS KIT (OPTIONAL)

Centralized Automatic Lubrication System
Automatic Fire Suppression System
Rotary Beacon
Proximity Warning Device
Operator Fatigue Warning System
3 Point Contact Seat Belt
Seat Belt Reminder System
Audio Visual Alarm
Neutral Braking/Door Interlock
Emergency Stop / Ground Level Engine Shutoff- Button



Note: Standard operating conditions, altitude: ≤2500 m (without deration), temperature: 0°C to 50°C (without grid heater)

Parameters of actual equipment shall be within ±2.5% of the values illustrated. Specifications are subject to change without prior notice. Optional equipments are available upon request. Please contact your local Liugong dealer for detailed information

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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.

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