

4180D SPECIFICATIONS >>>



OPERATING WEIGHT 15,440 KG

ENGINE

Manufacturer	Ashok Leyland
Model	H6C418022
Gross Power	180 hp @ 2200 rpm
Peak Torque	700 N-m @ 1600 rpm
Displacement	5.76 L
Bore x Stroke	104x113 mm
Number of Cylinders	6

TRANSMISSION

Transmission Make	ZF
Transmission Type	Powershift Transmission
Torque Converter	Three Member Single Turbine
Transmission Configuration	6 Fwd/3 Rev
Max. Forward Speed	43 Km/hr
Max. Backward Speed	32 Km/hr

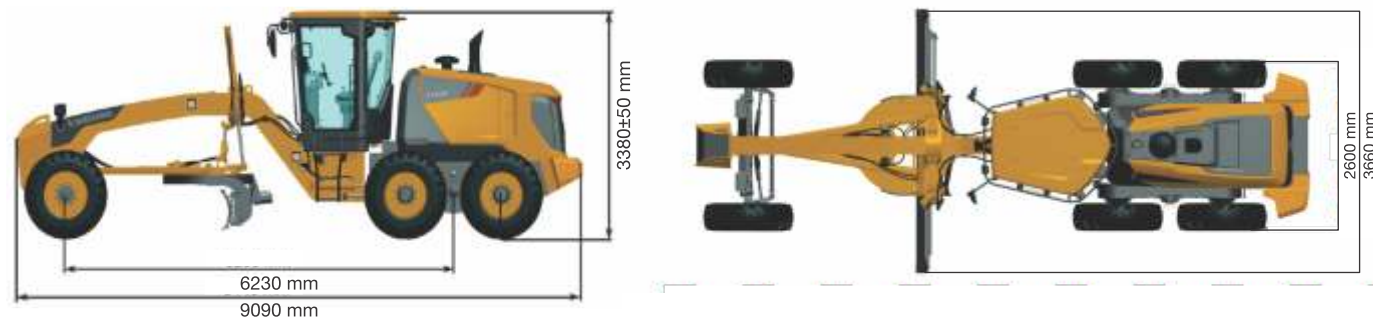
AXLES

Rear Axle Make	Meritor
Rear Axle Type	Four Wheel Drive
Differential Type	Limited Slip Standard
Final Drive Type	Chain Drive
Front Axle Type	All Welded Steel Frame
Front Axle Wheel Lean Angle	Left / Right 18°
Rear Axle Oscillation	±15°

AIS160 COMPLIANT

Enhanced safety and performance as per AIS160 compliant

STATIC DIMENSION



BRAKE SYSTEM

Service Brake	Fully Hydraulic, Shoe
Service brake Actuation	Hydraulic
Parking Brake	Manual, Mechanical Shoe Brake
Parking brake Actuation	Manual

HYDRAULIC SYSTEM

Main Pump Type	Gear Pump
Main Relief Pressure	20 ± 0.5 Mpa

STEERING SYSTEM

Steering Type	Front Wheel Steering
Pump Type	Gear Pump
Steering Relief Pressure	16.7±0.5 Mpa
Min. Turning Radius	7.8 m
Frame Articulation Angle	± 20°
Steering Angle	± 50°

CABIN

Air Conditioned	
I-Link (GPS)	

SERVICE CAPACITIES

Fuel Tank	275 L
Cooling System	40 L
Adblue	24 L
Engine Oil	18 L
Transmission & Torque Converter	33 L
Axle Oil	95 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°
Blade Ground Pressure	≥ 7,600 kg
Cutting Angle	28°-74°
Circle Rotation	360°
Blade Max. Depth In Ground	680 mm

SOUND AND ENVIRONMENT

Sound Level in Cab, According to ISO 6396-2008	81dB (A)
External Sound Level, According to ISO 6396-2008	111dB (A)
Heating Capacity	5 kW
Air Conditioning	4.6 kW

TIRES

Tire Size	17.5-25 PR16
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OPTIONAL EQUIPMENTS

Ripper	
Dozzer	
Scarifier	
Centralized Auto Lubrication System	
Automatic Fire Suppression System	
Rotary Beacon	
Rear Camera	



BUILT IN BHARAT

Engine	Ashok Leyland
Gross Power	180 HP @ 2200 rpm
Operating Weight	15,440 kg
Standard Blade	3,660 mm
Cabin	Air Conditioned

4180D MOTOR GRADER

TOUGH WORLD. TOUGH EQUIPMENT.

All parameters within (±) 2.5% of the specified values. Specification are subject to change without notice. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

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

12/2022/LIPL

4180D



GRADE WITH EASE MAXIMIZE PROFIT

A new benchmark advance technology for performance, safety and operation of machine. LiuGong 4180D CEV Stage IV is strategically designed to provide higher standard in terms of lower fuel consumption & higher productivity which ensure maximum profits to customers. We always have right technology at hand for every application for customer acceptance from us.

FUEL EFFICIENT

HTLR, 180HP, CEV-IV power intelligent Ashok Leyland engine ensure excellent tuning with powertrain for optimum performance & fuel efficiency.

ENHANCED PRODUCTIVITY

Equipped with Ashok Leyland's engine power, total weight, long wheelbase, long blade base and weight distribution ensure maximum performance in terms of blade down force & drawbar pull values.

EASE OF MAINTENANCE

Convenient & easy access to lubricating points, filter and other service aspects. Vast After sales network across pan India.

LIUGONG "I - LINK"

LiuGong advanced "I - Link" system that support to track your machine performance.

TRANSMISSION

ZF6WG200 specially developed for tough application. ZF electro-hydraulic shifting technology & planetary type powershift with low losses, excellent operator control which ensure optimum performance.

TANDEM

Meritor Tandem axle with enhanced traction & $\pm 15^\circ$ oscillation angle provides strength, flexibility & rigidity under tough application and supports a range of attachments.

TOUGH FRONT AXLE

LiuGong In-house built axle with $\pm 18^\circ$ wheel lean ensure more reliability & short turning radius with excellent ground clearance.



ENHANCED OPERATOR COMFORT

Ergonomically positioned low effort levers for reduce operator fatigue, air conditioning, unobstructed wide angle views for excellent visibility which ensure optimized productivity.

"ADVANCE PFS SYSTEM"

Advance "PFS" system indicate it's excellent engine & hydraulics synchronization which ensure maximum machine performance. LiuGong "PFS" is valued to it's customer through high return on investment by ensuring high saving at low fuel consumption & lower engine filter cost that ensure more savings.

E² - HYDRAULICS

Load sensing energy efficient hydraulics system which ensure excellent blade control while working in tough application.

MOLDBOARD CONTROL SYSTEM

Rugged moldboard structure ensure long blade life while providing the range of mobility needed for all applications, from a 90° upward angle to a downward angle of 28° .

TOUGH STRUCTURE

CAE & FEA approved design removes welds from high stress areas that ensure high reliability & more durability of front & rear frame.

TIRE

17.5-25-16PR.