

Engine	Cummins 6BTAA5.9
Rated Power	142 kW (193 hp) @ 2,200 rpm
Net Power	128 kW (174 hp) @ 2,200 rpm
Blade Width	3,960 mm
Maximum Speed	42 km/h
Draw Bar Pull	86 kN
Operating Weight	15,500 kg

4180

MOTOR GRADER

 **LIUGONG**



TOUGH WORLD. TOUGH EQUIPMENT.

4180 SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6BTAA5.9
Rated Power	142 kW (193 hp) @ 2,200 rpm
Net Power	128 kW (174 hp) @ 2,200 rpm
Maximum Torque	800 N-m
Number of Cylinders	6
Aspiration	Turbo & air-to-air intercooled

TRANSMISSION	
Transmission Type	Power shift
Torque Converter	Three - member single turbine
Maximum Travel Speed, fwd	42 km/h
Maximum Travel Speed, rev	26.2 km/h
Number of Speeds, fwd	6
Number of Speeds, rev	3

AXLES	
Differential Type	Limited slip standard
Final Drive Type	Chain drive
Axle Oscillation	15°
Front Axle, Wheel Lean Angle	Left / right 17°

STEERING	
Steering Configuration	Load sensor steering gear
Steering Relief Pressure	16.7 MPa
Minimum Turning Radius	7,300 mm
Steering Angle	±45°
Frame Articulation Angle	±20°

BRAKES	
Service Brake Type	Shoe
Service Brake Location	Rear axle

TIRES	
Tire Size	17.5-25

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	18 MPa
Main Pump Flow	122 L/min

WORKING CAPACITIES	
Maximum Draw Pull	86 kN
Cutting Pressure	7,800 kg

TANDEM DRIVE PERFORMANCE	
Height	600 mm
Width	210 mm
Center Distance	1,538 mm

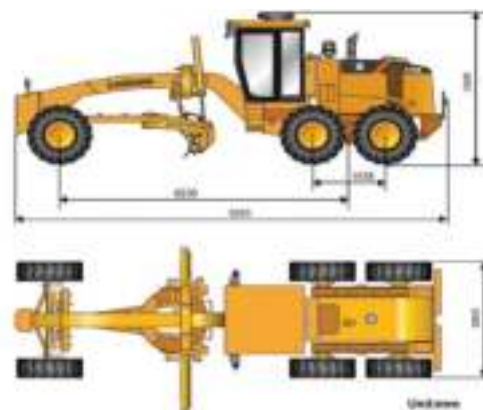
MOLDBOARD PERFORMANCE	
Bank Cut Angle	40~70°
Moldboard Lift Above Ground	450 mm
Moldboard Side Shift, right / left	790 / 618 mm
Maximum Sloping Angle	90°
Cutting Depth	555 mm
Circle Rotation	360°
Circle Diameter	1,455 mm
Circle Thickness	140 mm

DIMENSIONS	
Wheelbase	6,230 mm
Overall Length	9,265 mm
Overall Height with Cab	3,500 mm
Clearance under Front Axle	570 mm
Moldboard Standard Length	3,960 mm
Moldboard Standard Thickness	19 mm
Moldboard Standard Height	610 mm

OPERATING WEIGHTS	
Operating Weight	15,500 kg

SERVICE CAPACITIES	
Fuel Tank	270 L
Engine Oil	16.3 L
Cooling System	40 L
Hydraulic Reservoir	186 L
Transmission and Torque Converter	45 L
Tandems, each	37.5 L

OPTIONAL EQUIPMENT	
Rear Ripper	
Front Dozer	
Automatic Leveling System	
Rotary Beacon	
Frictional Flake Worm Box	



* With standard tires 17.5-25/L3, width outside of tire is 2,600 mm.
 * With narrow tires 14.00-24/G2, width outside of tire is 2,510 mm.