

Engine	Cummins 6BTAA5.9
Net Power	128 kW (172 hp) @ 2,200 rpm
Blade Width	3,960 mm
Maximum Speed	42 km/h
Draw Bar Pull	84 kN
Operating Weight	15,500 kg

# 4180

MOTOR GRADER



TOUGH WORLD. TOUGH EQUIPMENT.

# 4180 SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 2 / Stage II
Make	Cummins
Model	6BTAA5.9
Gross Power	142 kW (190 hp) @ 2,200 rpm
Net Power	128 kW (172 hp) @ 2,200 rpm
Peak Torque	800 N • m @ 1,500 rpm
Torque Rise %	30 %
Number of Cylinders	6
Aspiration	turbo air-to-air aftercooled

## TRANSMISSION

Transmission Type	power shift
Transmission Configuration	6 f / 3r
Torque Converter	three - member single turbine
Maximum Travel Speed, fwd	42 km/h
Maximum Travel Speed, rev	26 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 Type	all welded steel frame
Front Axle, Wheel Lean Angle	left / right 17°

## STEERING

Steering Configuration	load sensor steering gear
Steering Relief Pressure	16.7±0.5MPa
Minimum Turning Radius	7,800 mm
Steering Angle	±45°
Frame Articulation Angle	±20°

## BRAKES

Service Brake Type	shoe
Service Brake Location	rear axle

## TIRES

Tire Size	17.5-25
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## HYDRAULIC SYSTEM

Main Pump Type	gear
Main Relief Pressure	18 MPa
Pilot Pump Flow	126 L/min

## WORKING CAPACITIES

Maximum Draw Pull	84 kN
Cutting Pressure	7,800 kg

## TANDEM DRIVE PERFORMANCE

Height	600 mm
Width	210 mm
Center Distance	1,538 mm
Oscillating Angle	±15°

## MOLDBOARD PERFORMANCE

Bank Cut Angle	40~70°
Moldboard Lift Above Ground	450 mm
Moldboard Side Shift, right / left	725 / 675 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	9,238 mm
Overall Height with Cab	3,580 mm
Clearance under Front Axle	645 mm
Moldboard Standard Length	3,960 mm
Moldboard Standard Thickness	19 mm
Moldboard Standard Height	610 mm

## OPERATING WEIGHTS

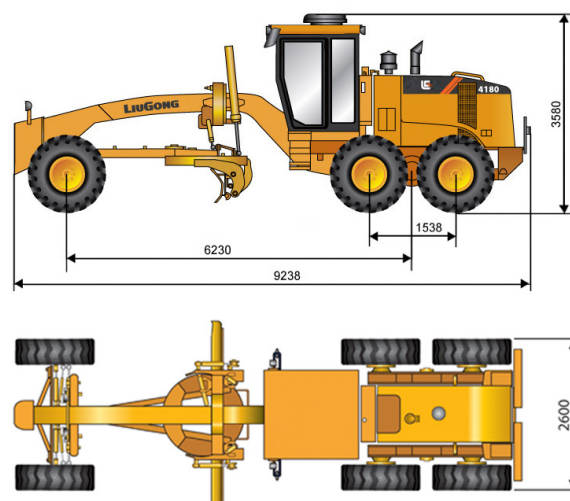
Operating Weight	15,500 kg
On Front Wheels	4,400 kg
On Rear Wheels	11,100 kg

## SERVICE CAPACITIES

Fuel Tank	270 L
Engine Oil	22 L
Cooling System	45 L
Hydraulic Reservoir	186 L
Transmission And Torque Converter	45 L
Tandems, Each	28 L

## OPTIONAL EQUIPMENT

Rear Ripper  
Front Dozer  
Automatic Leveling System  
Rotary Beacon  
Frictional flake worm box



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

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