

Engine	Cummins 6BTAA5.9
Rated Power	118 kW (158 hp) @ 2,200 rpm
Net Power	106 kW (142 hp) @ 2,200 rpm
Blade Width	3,660 mm
Maximum Speed	41 km/h
Draw Bar Pull	65 kN
Operating Weight	12,400 kg

414

MOTOR GRADER



TOUGH WORLD. TOUGH EQUIPMENT.

414 SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 2 / Stage II
Model	Cummins 6BTAA5.9
Rated Power	118 kW (158 hp) @ 2,200 rpm
Net Power	106 kW (142 hp) @ 2,200 rpm
Peak Torque	690 N · m @ 1,300 rpm
Torque Rise %	31%
Number of Cylinders	6
Aspiration	Turbo air-to-air aftercooled

TRANSMISSION

Transmission Type	Power shift
Transmission Configuration	6f / 3r
Torque Converter	Three – member single turbine
Maximum Travel Speed, fwd	41 km/h
Maximum Travel Speed, rev	29 km/h
Number of Speeds, fwd	6
Number of Speeds, rev	3

AXLES

Differential Type	Limited slip
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±0.5 MPa
Minimum Turning Radius	7,300 mm
Steering Angle	± 45°
Frame Articulation Angle	± 20°

BRAKES

Service Brake Type	Shoe
Service Brake Location	Rear axle only

TIRES

Tire Size	13.00 - 24
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HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	18±0.5 MPa
Pilot Pump Flow	132 L/min

WORKING CAPACITIES

Maximum Draw Pull	65 kN
Cutting Pressure	5,400 kg

TANDEM DRIVE PERFORMANCE

Height	580 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	670 / 480 mm
Maximum Sloping Angle	90°
Cutting Depth	600 mm
Circle Rotation	360°
Circle Diameter	1,265 mm
Circle Thickness	120 mm

DIMENSIONS

Wheelbase	5,900 mm
Overall Length	8,340 mm
Overall Height with Cab	3,370 mm
Clearance under Front Axle	535 mm
Moldboard Standard Length	3,660 mm
Moldboard Standard Thickness	19 mm
Moldboard Standard Height	610 mm

OPERATING WEIGHTS

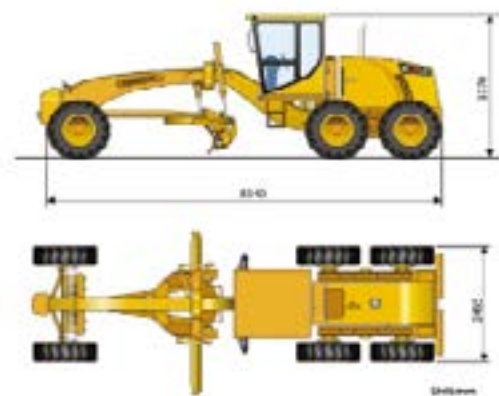
Operating Weight	12,400 kg
On Front Wheels	3,740 kg
On Rear Wheels	8,660 kg

SERVICE CAPACITIES

Fuel Tank	265 L
Engine Oil	16.3 L
Cooling System	40 L
Hydraulic Reservoir	186 L
Transmission And Torque Converter	45 L
Tandems, Each	26 L

OPTIONAL EQUIPMENT

Rear Ripper
Front Dozer
Automatic Leveling System
ROPS/FOPS Cab
Rotary Beacon
Rake Attachment



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. 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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Replace all previous versions before June, 2018