

Engine	Cummins QSB6.7
Rated Power	164 kW (223 hp) @ 2,200 rpm
Net Power	147 kW (200 hp) @ 2,200 rpm
Blade Width	3,960 mm
Maximum Speed	40.5 km/h
Draw Bar Pull	86 kN
Operating Weight	15,500 kg

418

MOTOR GRADER



TOUGH WORLD. TOUGH EQUIPMENT.

418 SPECIFICATIONS >>>

ENGINE

Emission Regulation	Tier 3 / Stage III
Model	Cummins QSB6.7
Rated Power	164 kW (223 hp) @ 2,200 rpm
Net Power	147 kW (200 hp) @ 2,200 rpm
Peak Torque	949 N • m @ 1,500 rpm
Torque Rise %	33%
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	40.5 km/h
Maximum Travel Speed, rev	24.9 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	7,800 mm
Steering Angle	±45°
Frame Articulation Angle	±20°

BRAKES

Service Brake Type	Dry drum
Service Brake Location	Rear axle

TIRES

Tire Size	17.5 - 25
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HYDRAULIC SYSTEM

Main Pump Type	Variable pump
Main Relief Pressure	18±0.5 MPa
Pilot Pump Flow	171 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	8,851 mm
Overall Height with Cab	3,438 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

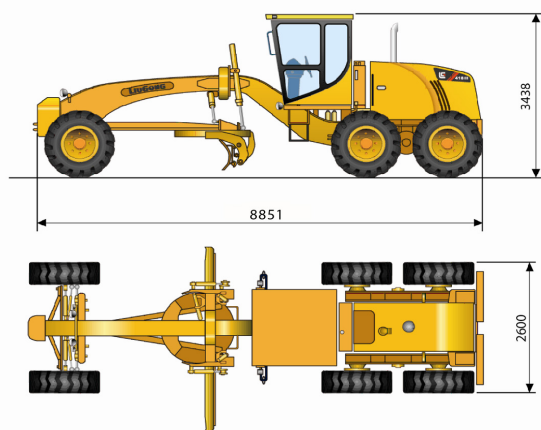
Operating Weight	15,500 kg
On Front Wheels	4,400 kg
On Rear Wheels	11,100 kg

SERVICE CAPACITIES

Fuel Tank	230 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
Rotary Beacon



Unit: mm

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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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