

Engine	CUMMINS
Rated Power	150 hp @ 2,200 rpm
Transmission	ZF
Operating Weight	14,156 Kg*
Blade Width	3,660 mm
Maximum Speed	40 Km/h
Cabin	Air Conditioned

# 414 MOTOR GRADER



**TOUGH WORLD. TOUGH EQUIPMENT.**

# 414 SPECIFICATIONS >>>

## ENGINE

Emission Regulation	BS III
Make	CUMMINS
Model	6BTAA5.9
Gross Power	112kW (150 hp) @ 2200 rpm
Net Power	106kW (142 hp) @ 2200 rpm
Peak Torque	655 N.m @ 1500 rpm
Number of Cylinders	6
Aspiration	Turbocharged

## TRANSMISSION

Transmission Make	ZF
Transmission Type	Power Shift
Maximum Travel Speed, fwd	40 km/hr
Maximum Travel Speed, rev	24 km/hr
Number of speed, fwd	6
Number of speed, rev	3
Traction Force	65 KN

## AXLES

Rear Axle Make	Meritor
Differential Type	Limited Slip Standard
Final Drive Type	Chain Drive
Front Axle Type	All welded steel frame
Front Axle Wheel Lean Angle	Left/ Right 17°
Rear Axle Oscillation	±15°

## HYDRAULIC SYSTEM

Main Pump Type	Gear
Main Relief Pressure	18MPa

## STEERING

Steering Configuration	Full hydraulic steering
Steering Relief Pressure	16.7 MPa
Steering Pump Type	Gear Pump
Minimum Turning Radius	7,200 mm
Steering Angle	±45°
Frame Articulation Angle	±20°

## BRAKES

Service Brake Type	Shoe
Service Brake Actuation	Hydraulic
Parking Brake Type	Shoe
Parking Brake Actuation	Mechanical

## TIRES

Tire Size	14.00-24, G-2, 12 PR
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## MOLDBOARD PERFORMANCE

Bank Cut Angle	40-70°
Moldboard Lift Above Ground	485 mm
Mold board slide shift, right/ left	650/520 mm
Maximum sloping angle	90°
Blade Maximum Depth in ground	575 mm
Cutting Pressure	5500 kg

## DIMENSIONS

Wheel Base	5900 mm
Overall Length without Ripper	8340 mm
Overall Length with Ripper	9210 mm
Overall Height with Cab	3370 mm
Clearance under Front Axle	570 mm
Mold board standard Width	3660 mm
Mold board standard thickness	19 mm
Mold board standard Height	610 mm

## OPERATING WEIGHTS

Operating Weight (with dozer & Ripper)	14156 kg
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## SERVICE CAPACITIES

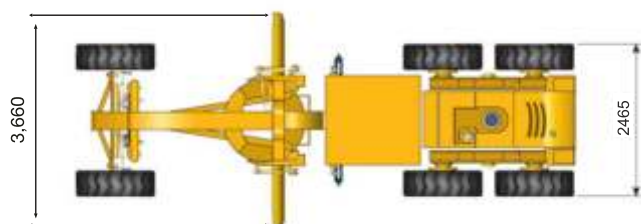
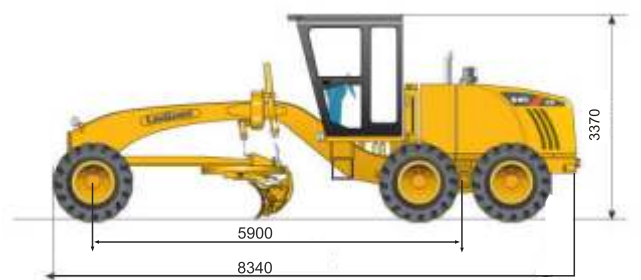
Fuel Tank	250 L
Crank case	16 L
Cooling system	40 L
Hydraulic Tank	100 L
Transmission and Torque Converter	45 L
Tandem	2 X 25 L

## OPTIONAL TRANSMISSION

Transmission Make	Hangzhou
Maximum Travel Speed, fwd	41 km/hr
Maximum Travel Speed, rev	29 km/hr

## OPTIONAL EQUIPMENTS

Rear Ripper
Front Dozer
Scarifier
Automatic Leveling System
Rear View Camera
Centralised Auto Lubrication System
Automatic Fire Suppression System
Fire Protected Hydraulic Hoses (DGMS)



Unit: mm

\* Weight inclusive of Dozer and Ripper

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