



<b>Engine</b>	Cummins 6BTAA5.9-C180
<b>Rated Power</b>	132 kW (177 hp / 180 ps) @ 2,200 rpm
<b>Blade Length</b>	3,660 mm
<b>Maximum Speed</b>	42 km/h
<b>Draw Bar Pull</b>	77 kN
<b>Operating Weight</b>	15,000 kg

# 4165D MOTOR GRADER

# 4165D SPECIFICATIONS >>>

## ENGINE

Emission Regulation	Tier 2 / Stage II
Manufacturer	Cummins
Model	6BTAA5.9-C180
Rated Power	132 kW (177 hp / 180 ps) @ 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	26.5 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	16°
Front Axle, Wheel Lean Angle	Left / right 18°

## STEERING

Steering Configuration	Load sensor steering gear
Steering Relief Pressure	16.7 MPa
Minimum Turning Radius	7,200 mm
Steering Angle	±50°
Frame Articulation Angle	±27°

## 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	20 MPa
Main Pump Flow	122 L/min

## WORKING CAPACITIES

Maximum Draw Pull	77 kN
Cutting Pressure	7,300 kg

## TANDEM DRIVE PERFORMANCE

Height	600 mm
Width	210 mm
Center Distance	1,553 mm

## MOLDBOARD PERFORMANCE

Bank Cut Angle	28~74°
Moldboard Lift Above Ground	600 mm
Moldboard Side Shift, left/right	645 / 755 mm
Maximum Sloping Angle	90°
Cutting Depth	680 mm
Circle Rotation	360°
Circle Diameter	1,455 mm
Circle Thickness	140 mm

## DIMENSIONS

Wheelbase	6,230 mm
Overall Length	9,090 mm
Overall Height with Cab	3,380 mm
Clearance under Front Axle	602 mm
Moldboard Standard Length	3,660 mm
Moldboard Standard Thickness	19 mm
Moldboard Standard Height	610 mm

## OPERATING WEIGHTS

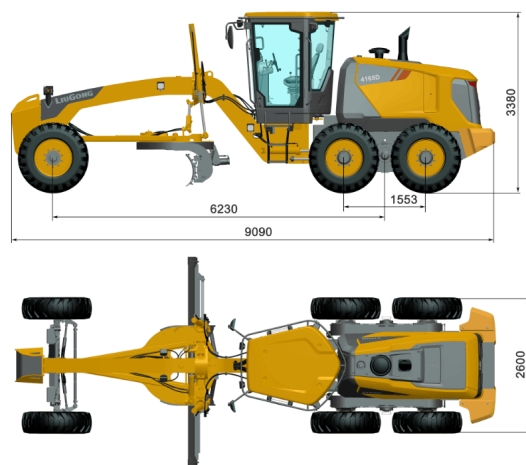
Operating Weight	15,000 kg
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## SERVICE CAPACITIES

Fuel Tank	348 L
Engine Oil	18 L
Cooling System	35 L
Hydraulic Reservoir	165 L
Transmission and Torque Converter	33 L
Tandems, each	39 L

## OPTIONAL EQUIPMENT

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



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. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

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Replace the previous versions of 06/2020