



Motor Grader LGG165

Engine	
Model	Cummins 6BTA5.9-C170
Type	Direct injection, water cooled
Rated power	125Kw
Rated speed	2300rpm
Rated fuel consumption	208 g/Kw.h
Transmission	
Type	3 elements, single stage
Torque ratio	1.5-3
Cooling type	Oil cooling, pressure circulation
Gearbox type	Power shift
Gear shifts(Forward/Reverse)	F6/R3
Traveling speed(km/h)	
Forward/Reverse I	5.47/5.47
Forward/Reverse II	9.47/12.4
Forward/Reverse III	12.4/25.69
Forward IV	20.96
Forward V	25.69
Forward VI	40.35
Axle	
Drive type	Four wheel drive(6X4)
Front axle ground clearance	630 mm
Front wheel lean	17°(L/R)
Oscillation	±15°
Drive axle	Three stages with No SPIN differential
Steering System	
Front wheel steering angle	45°(L/R)
Turning radius	10.0m(non leant wheel) 10.4m (leant wheel)
Articulated steering angle	25°(L/R)
Drive type	Dual action cylinder
Working Equipment	

Shanghai Longji Construction Machinery Co., Ltd.

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Control system	hydrostatic drive system
Hydraulic pump	Gear pump
Control valve	Two sets, five pieces per set
Control pressure	18MPa
Hydraulic oil cylinder	Dual action cylinder
Max. tractive force	73.5KN
Ground penetration	500 mm
Blade width	3660 mm
Blade cycling	360°
Max. bank cutting angle	90°(L/R)
Braking System	
Service brake	Hydraulic caliper disc brake actuate 4 rear wheels
Parking brake	Hand operated hoop brake
Dimensions	
Overall length	8285 mm
Overall width(wheel outside)	2790 mm
Overall height	3340 mm
Wheel base	6062 mm
Front tread	2150 mm
Rear treads	2340 mm
Tyre size	17.5-25-RP14
Service Capacities	
Fuel tank	228L
Engine crank case	19L
Hydraulic tank	130L
Gear box	21L
Rear axles	28L
Balance box	23L(each)

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