



Motor Grader LGG180-II

Engine	
Model	Cummins engine 6CTAA8.3-C185 (UK)
Type	Direct injection, water cooled
Rated power	138KW
Rated speed	2200rpm
Rated fuel consumption	211 g/Kw. h
Transmission System	
Type	3 elements, single stage(ZF licensed)
Torque ratio	2.52
Cooling type	Oil cooling, pressure circulation
Gearbox type	Power shift(ZF licensed)
Gear shifts(Forward/reverse)	F6/R3
Traveling speed(km/h)	
Forward/Reverse I	6.5/6.5
Forward/Reverse II	11.4/14.6
Forward/Reverse III	24.8/30
Forward IV	24.8
Forward V	30
Forward VI	49.2
Axle	
Drive type	Four wheel drive(6X4)
Front axle ground clearance	610 mm
Front wheel lean	32°(L/R)
Oscillation	±15°
Drive axle	Imported No SPIN differential

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Steering System	
Front wheel steering angle	49°(L/R)
Turning radius	10.4m(non leant wheel) 10.9m(leant wheel)
Articulated steering angle	26°(L/R)
Drive type	Dual action cylinder
Working Equipment	
Control system	Hydrostatic drive system
Hydraulic pump	High pressure gear pump
Control valve	HUSCO
Control pressure	18MPa
Hydraulic oil cylinder	HYUNDAI
Max. tractive force	80.5KN
Ground penetration	535 mm
Blade width	4268 mm
Blade cycling	360°
Max. bank cutting angle	90°(L/R)
Braking System	
Service brake	Hydraulic assisted and inner-expanding brake
Parking brake	Mechanical and inner-expanding brake
Dimensions	
Overall length	8990 mm
Overall width(wheel outside)	2600 mm
Overall height	3370 mm
Wheel base	6150 mm
Front tread	2120 mm
Rear tread	2120 mm
Tyre size	17.5-25
Service Capacities	
Fuel tank	350L
Engine crank case	27L
Hydraulic tank	70L
Gear box	45L
Rear axles	18L
Balance box	42L(each)

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