



**SINOWAY**  
Professionalism Reliability & Commitment

# Motor Grader

## SWG180-II

### Engine

Model	Cummins 6CTAA8.3(UK)
Type	Six-cylinder, water-cooled turbocharged, mechanical injection
Rated power	138KW
Rated speed	2200rpm

### Axle

Drive type	Four wheel drive(6×4)
Front axle ground clearance	610mm
Front wheel lean	32°(L/R)
Oscillation	±15°
Drive axle	Imported No-SPIN differential

### Dimensions

Overall length	9140mm
Overall width(wheel outside)	2600mm
Overall height	3370mm
Wheel base	6150mm
Front tread	2120mm
Rear tread	2120mm
Tyre size	17.5-25

### Transmission System

Torque converter type	3 elements, single stage
Torque ratio	2.52
Cooling type	Oil cooled, pressure circulation
Gearbox type	Power shift
Gear shifts(Forward/Reverse)	F6/R3
Travelling 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

### Working Equipment

Control system	Hydrostatic drive system
Hydraulic pump	Gear pump
Control valve	HUSCO
Control pressure	18MPa
Hydraulic oil cylinder	HYUNDAI
Max. tractive force	80.5KN
Ground penetration	535mm
Blade width	4268mm
Blade cycling	360°
Max. bank cutting angle	90°(L/R)
Operating weight	15200kg

### Service Capacities

Fuel tank	350L
Engine crank case	27L
Hydraulic tank	70L
Gear box	45L
Rear axle	18L
Balance box	42L(each)
Worm gear case	3L

### Tandem Drive

Type	Swing type with roller chain transmission
Speed ratio	18.03

### Steering System

Front wheel steering angle	49°(L/R)
Articulated steering angle	26°(L/R)
Drive type	Dual action cylinder

### Braking System

Service brake	Hydraulic assisted and inner-expanding brake
Parking brake	Mechanical and inner-expanding brake

### Optional

SC11CB195 engine(143KW)  
Three, five-shank ripper  
Front dozer  
Air conditioner  
Auto-leveling system