



SINOWAY
Professionalism Reliability & Commitment

Motor Grader

SWG315

Engine

Model ----- Cummins QSM11(USA)
Type ----- Six-cylinder, water-cooled
turbocharged, electronic injection, tier III
Rated power ----- 228KW
Rated speed ----- 2100rpm

Axle

Drive type ----- Four wheel drive(6×4)
Front axle ground clearance ----- 670mm
Front wheel lean ----- 17°(L/R)
Oscillation ----- ±15°
Drive axle ----- Imported No-SPIN differential

Dimensions

Overall length ----- 10500mm
Overall width(wheel outside) ----- 3140mm
Overall height ----- 3650mm
Wheel base ----- 7760mm
Front tread ----- 2494mm
Rear tread ----- 2494mm
Tyre size ----- 18.00-25

Transmission System

Torque converter type --- 3 elements, single stage
Torque ratio ----- 2.8
Cooling type ----- Oil cooled, pressure circulation
Gearbox type ----- Power shift
Gear shifts(Forward/Reverse) ----- F6/R3
Travelling speed(km/h)
Forward/Reverse I ----- 5.2/5.2
Forward/Reverse II ----- 8.1/12.5
Forward/Reverse III ----- 12.5/27.1
Forward IV ----- 19.1
Forward V ----- 27.1
Forward VI ----- 40

Working Equipment

Control system ----- Hydrostatic drive system
Hydraulic pump ----- Gear pump
Control valve ----- Two sets, five pieces per set
Control pressure ----- 25MPa
Hydraulic oil cylinder ----- Dual action cylinder
Max. tractive force ----- 165KN
Ground penetration ----- 470mm
Blade width ----- 4920mm
Blade cycling ----- 360°
Max. bank cutting angle ----- 80°(L/R)
Operation weight ----- 24000kg

Service Capacities

Fuel tank ----- 380L
Engine crank case ----- 30L
Hydraulic tank ----- 130L
Gear box ----- 45L
Rear axle ----- 35L
Balance box ----- 40L(each)
Worm gear case ----- 6L

Steering System

Front wheel steering angle ----- 50°(L/R)
Articulated steering angle ----- 25°(L/R)
Drive type ----- Dual action cylinder

Braking System

Service brake ----- Wet brake, actuate 4 rear wheels
Parking brake ----- Hand operated hoop brake

Optional

Front dozer
Rear ripper
Air conditioner

Tandem Drive

Type --- Swing type with roller chain transmission
Speed ratio ----- 18.03