

## Motor Grader



### Model: CDM1185

CDM1185 is a 185 horse powers motor grader. As an engineering vehicle, it can be used for large area flattening, scraping, earthmoving, snow plowing, etc. CDM1185 motor grader is especially talented at flattening high-grade road, industrial land and farmland.

### Features of CDM1185 Motor Grader:

1. Powerful and reliable Shanghai Diesel supercharged engine D6114.
2. Hydraulic shift transmission and HUSCO 5-position multi-valve for easier operation.
3. 3-section axle with "No-spin" differential for exceptional rimpull.
4. Maintenance-free roll-type rotator with high stability and accuracy makes the machine work normally even in rugged condition
5. Radial linkage tool is rigid and wide in operating scope
6. Single circuit hydraulic service brake and mechanical parking brake provide better safety
7. Specially designed cab of this motor grader provides wide view
8. Air conditioning and heating system provide good environment for operator
9. Optional front blade and rear scarifier

### Specifications of CDM1185 Motor Grader

#### Vehicle Specifications

Operation weight (kg)	16300
Overall dimensions (mm)	8900×2765×3525(Standard) 10900×2765×3525(with front blade and rear ripper)
Blade dimensions (mm)	3965×620
Blade turning angle	360°
Max. tilting angle of blade(left/right)	90°
Max. digging depth of blade(mm)	550
Front-rear axle wheelbase (mm)	6362

**Engine of CDM1185 Motor Grader**

Model	D6114
Rated power(kW)/(hP).	140/190
Speed(r/min)	2200
Max. torque(Nm/r/min)	675/1500

**Hydraulic torque converter-transmission**

Transmission	hydraulic shift transmission
Max. travel speed(km/h)	38
Max. traction force(attachment coefficient is 0.75)(kN)	89

**Wheel and tires**

Rim	14.00/1.5—25
Specification of tire.	17.5—25 PR12

**Axle**

Axle (type)	3- stage axle for motor grader with no-spin differential
Driven axle (type)	case swing steering front axle
Swing angle	±15°
Front wheel tilting angle	±17°
Ground clearance	630mm

**Steering system of CDM1185 Motor Grader**

Turning angle	45°
Articulating steering	front and rear frames articulating, hydraulic drive, double-functional cylinder
Articulating angle	25°for left and right
Min. turning radius	7.8m front wheel outside

**Brake**

Service brake	imported hydraulic element brake system
Brake (service brake)	shoe brake
Parking brake (type)	hoop brake, mechanical control

**Front blade (optional)**

Width× height (mm)	2740×920
Max. depth into ground (mm)	205

**Rear ripper (optional)**

Ripper width (mm)	2000
Max. depth of rip tooth(mm)	315
Number of teeth	5

**Note:** The specification is subject to change for the modification without notice.