



CDM1165 Motor Grader

CDM1165 is a 165 hp motor grader. It is an engineering vehicle with many applications, such as large area flattening, scraping, earthmoving, snow plowing, etc. It is especially suitable for flattening high grade road, industrial land and farmland.

Features of CDM1165 Motor Grader:

1. Powerful and reliable Cummins engine 6BTA5.9 made in China
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 provide wide view
8. Air conditioning and heating system provide good environment for operator
9. Optional front blade and rear scarifier

Specifications of CDM1165 Motor Grader

Vehicle specifications

| | |
|---|---|
| Operation weight (kg) | 15000 |
| Overall dimensions (mm) | 8600×2765×3525(standard) |
| | 10600×2765×3525(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) | 6062 |

Engine

| | |
|-----------------------|---------|
| Model | 6BTA5.9 |
| Rated power (kW)/(hP) | 125/170 |

| | |
|------------------------|----------|
| Speed(r/min) | 2300 |
| Max. torque (Nm/r/min) | 630/1400 |

Hydraulic torque converter-transmission

| | |
|---|------------------------------|
| Transmission | hydraulic shift transmission |
| Max. travel speed(km/h) | 40 |
| Max. traction force(attachment coefficient is 0.75)(kN) | 88 |

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. | 630 |

Steering system

| | |
|-----------------------|--|
| 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 | 7.5m 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 xheight(mm) | 2740x920 |
| 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.