

## Road Roller



### Model: CDM512DD

CDM512DD road roller is a hydrostatic tandem vibratory roller. As a type of engineering vehicle, this road roller can be used for compacting various stabilizing material, asphalt concrete, dry concrete, as well as road bed.

### Features of CDM512DD Road Roller:

1. Original Cummins supercharged engine 4BTAA3.9C and Rexroth hydraulic components.
2. Hydrostatic front and rear drives, stepless gear change, easy operation
3. Both front and rear drums of this road roller vibrate with frequency change and amplitude modulation, work in high efficiency.
4. Crab steering of maximum 170mm for better edge compaction.
5. 180° multi-position rotary platform for easy observation of edge compaction.
6. Road roller front and rear brakes with cutoff device for better safety.
7. Two independent watering systems with imported pumps and big water tank.
8. Air conditioning and heating system provide good environment for operator.

### Specifications of CDM512DD Road Roller:

Operating weight (kg)	12000
Weight on front drum (kg)	6000
Weight on rear drum (kg)	6000
Length×width×height (mm)	5000×2350×3050
Static linear load	
Front drum	276 N/cm
Rear drum	276 N/cm
Min turning radius (mm)	7000

Travel speed	0-6 km/h
Travel speed	0-12 km/h
Ground ability	%
Vibration	30
Without vibration	40
Turning angle	30°
Vibration frequency (Hz)	40/50
Rominal amplitude (mm)	0.74/0.35
Exciting force (kN)	115x2/85x2

#### Engine specifications of CDM512DD Road Roller

Engine model	4BTAA3.9C
Type	In-line, water-cooled, four stroke, direct injection
Engine power/speed (kW/r/min)	93/2200
Max. torque/speed (N.m/r/min)	506/1300
Displacement (L)	3.9
Starter motor power (kW)	3.7
Starter motor voltage (V)	24
Fuel	Light diesel oil
Injection pump	BOSCH

#### Oil tank capacity

Hydraulic oil tank capacity (L)	95
Fuel tank capacity (L)	170

#### Hydraulic system of CDM512DD Road Roller

Drive system	
Drive pump	Variable displacement piston pump
Drive motor/reducer	Variable displacement piston motor/planetary gear reducer
Brake torque (N.m)	18.9
Vibration system	
Vibration pump	Variable displacement piston pump
Vibration motor	Ration displacement piston motor
Steering system	
Steering type	Full hydraulic steering system
Steering pump	QC20/16-D14
Steering gear model	BZZ1
Steering system pressure (MPa)	16
Brake system	
Service brake type	Hydraulic lock brake on double drums
Parking brake type	Oil cutting brake on double drums
A/C System	
Model	TY46B
Refrigerating capacity	4600w

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