

**Model: CDM5xxD**

DM5xxD road roller is hydrostatic and double (front & rear) driven single drum roller. "xx" stands for the weight of the machine (ton). Currently available models are CDM512D, CDM518D and CDM520D. As an engineering vehicle/ engineering equipment, this road roller is suitable for compacting soil, gravel, concrete or asphalt in the construction of roads and foundations.

Features of CDM5xxD Road Roller:

1. Cummins supercharged diesel engine made in China with excellent powerman margin and fuel economy.
2. Front and rear wheel drive of this road roller is with closed-loop hydraulic system, four speeds with stepless gear change, strong grade ability
3. Closed-loop hydraulic vibration system with frequency change and amplitude modulation; linear load and exciting force are optimized ;
4. Drum of this road roller is made of high strength material which is wear-resistant and impress-resistant
5. Wide-view cab and easily accessible control mechanism designed with ergonomics
6. Brake systems on front and rear wheels are with cut-off device for better safety
7. Engine hood is opened with manually operated oil cylinder for easy maintenance
8. Air conditioning and heating system provide better environment for operator.

Specifications of CDM512D/CDM518D/CDM520D Road Roller:

Model	CDM512D Road Roller	CDM518D Road Roller	CDM520D Road Roller
Operating weight(kg)	12000	18000	20000
LengthxWidthxHeight(mm)	5978x2280x3037	6118x2300x3037	6118x2300x3037
Weight burden on front drum (kg)	6500	10500	12500

Weight burden on rear wheel (kg)	5500	7500	7500
Static linear load(N/cm)	303	440	510
Min. turning radius(mm)	6500	7000	7000
Travel speed (km/h)	0-10.8	0-10.8	0-10.8
Grade ability(%)	40	45	45
Vibration frequency(Hz)	30/36	28/35	28/35
Nominal amplitude(mm)	1.8/0.9	2.1/1.0	2.1/1.0
Centrifugal force (kN)	270/180	370/280	400/300
Engine model	6BTA5.9	6CTA8.3	6CTA8.3
Rated power(kw)/RPM(r/min)	110/2200	160/220	160/2200
Min. fuel consumption (g/kw*h)	217	203	203
Fuel tank capacity(L)	280	280	280
Vibration pump	Imported variable piston type	Imported variable piston type	Imported variable piston type
Vibration motor	Imported variable piston type	Imported variable piston type	Imported variable piston type
Steering model	Hydraulic steering	Hydraulic steering	Hydraulic steering
Axle type	Front reduce+middle reduce+wheel hub	Front reduce+middle reduce+wheel hub	Front reduce+middle reduce+wheel hub
Tyre	23.1-26 12PR	23.1-26 12PR	23.1-26 12PR
Service brake type	Hydraulic lock front and rear brake	Hydraulic lock front and rear brake	Hydraulic lock front and rear brake
Parking brake type	Oil cut front and rear wheel brake	Oil cut front and rear wheel brake	Oil cut front and rear wheel brake
Hydraulic oil tank capacity(L)	90	90	90
A/C model	GK15-5.0Y	GK15-5.0Y	GK15-5.0Y
A/C Refrigerating capacity (W)	4500	4500	4500
A/C Heating capacity (W)	5000	5000	5000