

Road Roller



Model: CDM5xxB

CDM5xxB road roller is a mechanically driven and single drum roller. "xx" refers to the weight of the machine (ton). Currently available model is CDM514B, CDM516B. Road roller is a kind of engineering vehicle/construction machine used to compact soil, gravel, concrete or asphalt in the construction of roads and foundations.

Features of CDM5xxB Road Roller:

1. CDM514B and CDM516B road roller use one frequency, two amplitude and open-looped hydraulic vibration system with Permco hydraulic components
2. The drum is made of high strength material which is wear-resistant and impress-resistant
3. Wide-view cab and tiltable steering column are designed with ergonomics
4. Both hand brake and foot brake are available for the safety
5. Engine hood is opened with manually operated oil cylinder for easy maintenance
6. Air conditioning and heating system provide better environment for operator

Specifications of CDM5xxB Road Roller:

Model	CDM514B Road Roller	CDM516B Road Roller
Operating weight(kg)	14000	16000
LengthxWidthxHeight(mm)	6160x2300x3400	6160x2300x3400
Weight burden on front drum(kg)	7000	7700
Weight burden on rear wheel(kg)	7000	8300
Static linear load(N/cm)	330	360
Min. turning radius(mm)	6300	6300
Travel speed (km/h)	2.2/ 4.5/9.2	2.2/ 4.5/9.2

Grade ability(%)	30	30
Vibration frequency(Hz)	28	28
Nominal amplitude(mm)	1.8/0.9	1.9/0.9
Centrifugal force(kN)	290/160	310/190
Engine model	YC6108G/TD226B-6G	YC6108ZG
Min. fuel consumption(g/kw*h)	220	220
Rated power(kw)/RPM(r/min)	(85/2000)/(92/2000)	110/2000
Fuel tank capacity(L)	280	280
Vibration pump	Permco	Permco
Vibration motor	Permco	Permco
Steering model	Hydraulic steering	Hydraulic steering
Axle type	Middle reduce+wheel hub	Middle reduce+wheel hub
Tyre	23.1-26 8PR	23.1-26 12PR
Service brake type	Air-over-oil disc brake on rear axle	Air-over-oil disc brake on rear axle
Parking brake type	Manual operated brake on transmission	Manual operated brake on transmission
Hydraulic oil tank capacity (L)	180	180
A/C model	TY40A	TY40A
A/C Refrigerating capacity (W)	4600	4600