

## Padfoot Roller



### Model: CDM520K

Padfoot roller is sometimes written as pad foot roller. "K" stands for pad foot. The pad foot consists of three parts and mounted on the smooth drum surface of rollers such as CDM514B, CDM516B, CDM518A, CDM520A, CDM522A, CDM518D and CDM520D. The pad feet can be arrayed in spiral. This padfoot roller is an engineering vehicle that can be used to compact sticky soil and the road bed composed of detritus and gravel while keeping stable contact with road surface without any impact.

### Features of CDM520K Padfoot Roller

1. Mechanically driven, hydraulic vibration and hydraulic steering.
2. Rexroth vibration pump, steering pump and vibration motor.
3. 3-gear electrically controlled transmission for this padfoot roller.
4. Good reliability.
5. Both parking brake and service brake are available for safety.
6. Spacious and comfortable cab with shock absorbing system

### Specifications of CDM520K Padfoot Roller

Operating Weight	20000 kg
Weight burdened on drum	9500 kg
Weight burdened on wheels	10500 kg
Static linear load	435 N/cm
Centrifugal force	351/200 kN
Vibration frequency	28 Hz
Nominal amplitude	1.9/1.0 mm
Min. Turning Radius	6300 mm
Nominal gradeability	30 %
Min. clearance from ground	400 mm

Max. Turning Angle	35±1 °
Wheelbase	3020 mm
Drum diameter	1520 mm
Drum width	2180 mm
Travel Speed	km/h
Gear I	2.6
Gear II	5.3
Gear III	8.6
Engine Model of CDM520K Padfoot Roller	D6114ZG2B
Rated Power	128 kW
Rated RPM	2000 rpm
Cranking voltage	24 V
Transmission	YD133
Pressure	1.3-1.6 MPa
Pump displacement	25 ml/r
Filtration degree	30 μm
Overall Dimension (Length * Width * Height)	6145*2440*3210 mm
	6145*2440*3400 mm (with A/C)