

## Road Roller



### Model: CDM521J

CDM521J road roller is a tri-drum static roller with maximum operating weight of 21 tons. This road roller is a kind of engineering vehicle featured in big linear load per unit and can be used to compact the road surface composed of detritus, gravel, cinder, asphalt concrete and so on. Our CDM521J road roller is widely used in road construction, municipal project, road embankment filling, etc.

### Features of CDM521J Road Roller:

1. This road roller uses powerful Yuchai water cooled engine YC6108G.
2. Rear drum drive, transmission with synchronizer, flexible shaft control.
3. Articulated frames provide good maneuverability and eliminate the transverse shearing force
4. Hand brake and foot brake are available for better safety.
5. Wide-view cab with front and rear lighting for night operation.
6. Power-operated watering system for CDM521J road roller, with imported watering pump and big water tank.
7. Parted engine hood with air-spring-aided opening for easy maintenance
8. Air conditioning and heating system provide good environment for operator.

### Specifications of CDM521J Road Roller:

Operating weight(kg)	18000(without load)/21000(with load)
Transportation dimension	
Lengthxwidthxheight(mm)	5990x2335x3490(with A/C)
	5990x2335x3300(without A/C)
Weight burden on front drum(kg)	7500

Weight burden on rear wheel(kg)	10500
Drive static linear pressure (N/cm)	860(without load)/980(with load)
Front drum static linear pressure (N/cm)	460(without load)/565( with load )
Compacting thickness(mm)	2322
Min. turning radius(mm)	7000
Grade ability(%)	20
Travel speed	
	2.2(km/h)
	4.5(km/h)
	9 (km/h)

#### Engine specifications of CDM521J Road Roller

Model	YC6108G
Type	In-line, water-cooled, four stroke, direct injection
Rated power(kw)/ RPM (r/min)	85/2000
Max. torque(N·m)/RPM (r/min)	450/1400~1600
Min. fuel consumption (g/kw·h)	235
Total displacement (L)	6.871
Starter motor power (kw)	6.6
Starter motor voltage (V)	24
Injection pump	6AD95
Fuel tank capacity (L)	230

#### Axle

Final drive type	Spiral bevel gear one stage deceleration
Speed reduction ratio	6.1667 : 1
Wheel hub reduction	
Type	spur gear planet drive
Speed reducing ratio	4.4 : 1

#### Brake system of CDM521J Road Roller

Service brake	Air-over-oil disc brake on rear axle
Parking brake	Manual operated brake on transmission

#### Steering system

Type	Full hydraulic steering system
System operating pressure	14Mpa

#### A/C System

Model	TY40A
Refrigerating capacity	4600W

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