



LGR214H-II Single Drum Vibratory Roller(Hydraulic Transmission)

LGR214H-II road roller is equipped with Cummins turbocharged engine, which has a large power reserve coefficient and meets the diesel engine's performance demands when the roller is working in locations where altitude is over 4,000 meters. The roller is fully hydraulic and fully driven, with the variable frequency and amplitude. It adopts the articulated steering and the four-gear stepless variable drive, thus taking the lead in this field of technology. When fuel is off, the brakes are automatically applied, so it is safe and reliable.

Engine	
Model	Cummins 6BT5.9
Type	Vertical, water cooled, direct injection
Rated power	110KW
Rated speed	2200rpm
Rated fuel consumption	210g/kw-h
Main Technical Specification	
Operating weight	14000kg
Type	Hydraulic vibration
Frequency	31/35Hz
Amplitude	1.8/0.9mm
Static linear load	410N/cm
Dynamic linear load	1370N/cm
Drum shell thickness	30mm
Centrifugal force(high ampl.)	292KN
Centrifugal force(low ampl.)	182KN
Working pressure	38Mpa
Transmission System	
Type	Hydraulic drive
Grade ability	35%
Traveling speed(km/h)	
Forward/Reverse	0-11
Traveling pump	SAUER piston pump
Traveling motor	SAUER piston motor
Axle	
Drive type	Dual wheel drive

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Front axle load	8400kg
Rear axle load	5600kg
Steering System	
Type	Articulated frame, hydraulic steering
Steering cylinder	Two cylinders
Steering pump	Gear pump
Working pressure	13MPa
Steering angle	±35°
Min. steering radius	7800mm (outer side),5900mm (inner side)
Braking System	
Service brake	Oil-cut off braking
Parking brake	Hand operated drum brake
Dimensions	
Overall length	6095mm
Overall width	2300mm
Overall height	3050mm
Drum width	2100mm
Wheel base	2945mm
Drum Dia.	1530mm
Tyre size	23.1-26
Ground clearance	420mm
Service Capacities	
Hydraulic tank	180L
Drive axle central gear box	25L
Fuel tank	200L
Engine crank case	19L

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