LGR210H Single Drum Vibratory Roller(Hydraulic Transmission)

LGR210H road roller is equipped with Cummins 6BT5.9 engine, SAUER or REXROTH hydraulic pump and motor, which introduced high-tech. hydraulic drive and vibratory. It is suitable for compaction of non-cohesive materials such as gravel, crushed stone, sand-macadam mixture, sandy soil and rock filling etc, base course, sub-base and embankment fill construction, which are ideal equipment for high-class highway, airport, harbors, dams and large-scale industrial ground.

Engine	
Model	Cummins6BT5.9
Type	Vertical, water cooled, direct injection
Rated power	110KW
Rated speed	2200rpm
Rated fuel consumption	210g/kw·h
Main Technical Specification	
Operating weight	10000kg
Type	Hydraulic vibration
Frequency	29/35Hz
Amplitude	0.9/1.8mm
Static linear load	285N/cm
Drum shell thickness	24mm
Centrifugal force(high ampl.)	240KN
Centrifugal force(low ampl.)	120KN
Working pressure	42Mpa
Transmission System	
Type	Hydraulic drive
Grade ability	35%

Traveling speed(km/h)	
Forward/Reverse	0-12
Traveling pump	SAUER/REXROTH piston pump
Traveling motor	SAUER/REXROTH piston motor
Axle	
Drive type	Dual wheel drive
Front axle load	5500kg
Rear axle load	4500kg
Steering System	
Type	Articulated frame, hydraulic steering
Steering cylinder	Two cylinders
Steering pump	Gear pump
Working pressure	13MPa
Steering angle	±35°
Min. steering radius	6500mm (outer side),5400mm (inner side)
Braking System	
Service brake	Oil-cut off braking
Parking brake	Hand operated drum brake
Dimensions	
Overall length	5820mm
Overall width	2278mm
Overall height	3050mm
Drum width	2100mm
Wheel base	3160mm
Drum Dia.	1570mm
Tyre size	17.5-25
Ground clearance	472mm
Service Capacities	
Hydrauclic tank	180L
Drive alxe central gear box	25L
Fuel tank	200L
Engine crank case	19L