



LGR220H Single Drum Vibratory Roller(Hydraulic Transmission)

LGR220H is equipped with Cummins turbocharged diesel engine, which has a large power storage. It adopts the hydraulic all-wheel traction transmission mode and has a variable-frequency variable-amplitude rapping device, SAUER/REXROTH planetary redactor, and built-in wet multi-plate brakes. When fuel is off, braking is automatically applied, so it is safe and reliable. It has a high-strength fully closed driver's cabin. Besides, there is an optional digital display-type compactness detector so as to guarantee the quality of compacting.

Engine	
Model	Cummins6BA5.9
Type	Vertical, water cooled, direct injection
Rated power	132KW
Rated speed	2000rpm
Rated fuel consumption	210g/kw-h
Main Technical Specification	
Operating weight	20000kg
Type	Hydraulic vibration
Frequency	28/35Hz
Amplitude	1.0/2.0mm
Static linear load	600N/cm
Drum shell thickness	46mm
Centrifugal force(high ampl.)	410KN
Centrifugal force(low ampl.)	300KN
Working pressure	42Mpa
Transmission System	
Type	Hydraulic drive
Grade ability	35%
Traveling speed(km/h)	
Forward/Reverse	0-11
Traveling pump	SAUER/REXROTH piston pump
Traveling motor	SAUER/REXROTH piston motor

Shanghai Longji Construction Machinery Co., Ltd.

Add: Room 1311, Building C, Lane 58, No.1 East Xinjian Road, Minhang District, Shanghai City, China

Post Code: 201100

E-mail: info@shlongji.com

Tel: +86-21-541-71571

Fax: +86-21-541-71572

Axle	
Drive type	Dual wheel drive
Front axle load	10600kg
Rear axle load	9400kg
Steering System	
Type	Articulated frame, hydraulic steering
Steering cylinder	Two cylinders
Steering pump	Gear pump
Working pressure	13MPa
Steering angle	±35
Min. steering radius	7500mm (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	2340mm
Overall height	3050mm
Drum width	2100mm
Wheel base	3160mm
Drum Dia.	1600mm
Tyre size	23.1-26
Ground clearance	472mm
Service Capacities	
Hydraulic tank	180L
Drive axle central gear box	25L
Fuel tank	200L
Engine crank case	19L

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