



### SWC214H Tandem Vibratory Roller(Hydraulic Transmission)

SWC214H hydraulic double drum vibratory road roller adopts dual frequency and amplitudes vibration system with imported piston pump and motors, center articulated steering with crabwalk unit for flexible maneuverability, integrated multi-disc wet brake with oil-cutoff braking for reliable safety, electric power sprinkler system with large capacity reinforced polyethylene water tank, which ensure you to achieve high working efficiency.

Engine	
Model	Cummins 6BT5.9
Type	Vertical,water cooled,direct injection
Rated power	110KW
Rated speed	2300rpm
Rated fuel consumption	215g/kw-h
Main Technical Specification	
Operating weight	14000kg
Type	Hydraulic vibration
Frequency	40/50Hz
Amplitude	0.4/0.8mm
Static linear load	333/333N/cm
Vertical oscillation	8°
Drum shell thickness	20mm
Centrifugal force(high ampl.)	160KN×2
Centrifugal force(low ampl.)	90KN×2
Transmission System	
Type	Hydraulic drive
Grade ability	40%
Traveling speed(km/h)	
Forward/Reverse	0-12
Traveling pump	SAUER/REXROTH piston pump
Traveling motor	SAUER/REXROTH piston motor
Axle	

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Drive type	Dual wheel drive
Front axle load	7000kg
Rear axle load	7000kg
Steering System	
Type	Articulated frame, hydraulic steering
Steering cylinder	Two cylinders
Steering pump	Gear pump
Working pressure	13MPa
Steering angle	±35°
Min. steering radius	5605mm
Braking System	
Service brake	Oil cut off brake
Parking brake	Button operated
Dimensions	
Overall length	5062mm
Overall width	2250mm
Overall height	3000mm
Drum width	2100mm
Wheel base	3717mm
Drum Dia.	1350mm
Ground clearance	324mm
Service Capacities	
Hydraulic tank	65L
Vibrating bearing	20L
Coolant liquid	34L
Reducer	2.6L
Fuel tank	154L
Engine crank case	16L

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