



612HIII Roller



Engine	Cummins
Net Power	104 kW (141 hp) @ 2,000 rpm
Vibration Frequency Range	33 / 30 Hz
Centrifugal Force Range	270 kN / 150 kN
Working Width	2,130 mm
Operating Weight	12,300 kg

612HIII



Single Drum Hydrostatic Vibratory Roller

ENGINE

Emission Regulation	Tier 3 / Stage IIIA
Make	Cummins
Gross Power	116 kW (156 hp) @ 2,000 rpm
Net Power	104 kW (141 hp) @ 2,000 rpm
Peak Torque	624 N · m
Number of Cylinders	4
Aspiration	turbo-air-to-air aftercooled
Cooling Type	water

ELECTRICAL SYSTEM

System Voltage	24 V
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DRIVE TRAIN

Theoretical Gradeability, without/with vibration	48%
Transmission Type	hydrostatic
Maximum Speed, fwd	12.0 km/h
Inside Turning Radius	<4,370 mm
Outside Turning Radius	<6,500 mm

AXLES

Steering System	hydraulic
Steering Method	articulation
Steering Angle	±35°
Steering Relief Pressure	16 MPa
Differential Rear Type	limited slip

BRAKES

Service Brake Type	wet hydraulic
Service Brake Actuation	hydraulic
Parking Brake Actuation	mechanical apply; hydraulic release

TIRES

Tire Size	23.1-26 -12 PR
Tire Tread	G - 23

HYDRAULIC SYSTEM

Main Pump Type	piston pump + piston pump
Main Relief Pressure	42 + 35 MPa

PERFORMANCE

Static Linear Front Drum Load	320 kg-mm
Number of Vibrating Drums	1
Nominal Amplitude Range	1.95 / 0.9 mm
Vibration Frequency Range	33 / 30 Hz
Centrifugal Force Range	270 / 150 kN
Number of Amplitude Settings	2

OPERATING WEIGHTS

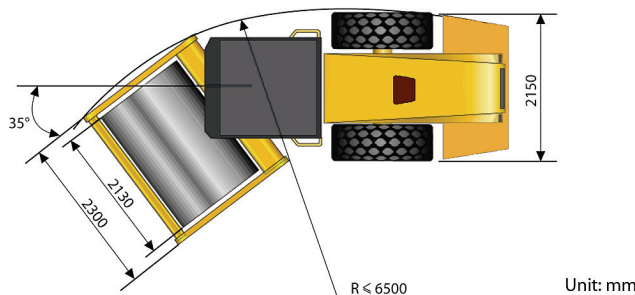
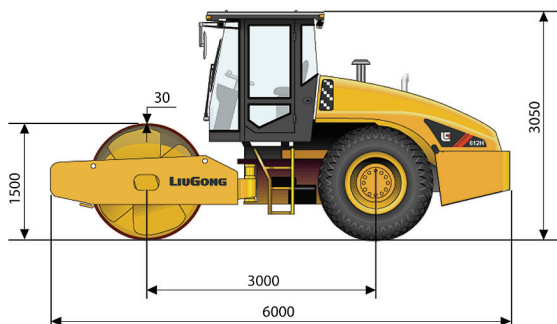
Operating Weight with Ballast	12,300 kg
Weight on Front Drum	6,950 kg
Weight on Tires	5,350 kg

SERVICE CAPACITIES

Fuel Tank	300 L
Engine Oil	17 L
Cooling System	28 L

OPTIONAL EQUIPMENT

Padfoot Drum Segment Kit (PDH)
Rotary Beacon
Backup Alarm



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment.