

XD120R



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VIBRATORY ROLLER

XD120R dual-drive dual-vibration vibratory road roller features small amplitude, high frequency vibration, big exciting force as well as separate vibration. It is mainly applicable to compaction work on asphalt top layer of newly built pavement and thinner stable soil pavement, and road maintenance work. With compact structure, high flexibility, small blind area, high operating comfort, it is an ideal compaction equipment for municipal maintenance and highway custody.

Three cylinder water-cooled Kubota engine, suiting ambient temperature of above -10°C and altitude of below 3000 m, in compliance with EU Stage III emission standards.

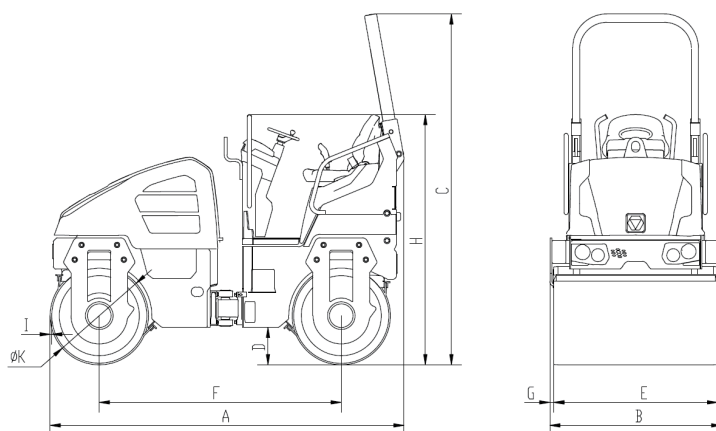
Performance and characteristics

- Its unique XCMG series 5 industrial design won the German Red Dot Award in 2020.
- Bilateral access, bright color paint, ergonomics design principle;
- Dual-frequency single-amplitude vibration exciter provides two kinds of exciter forces for different working conditions.
- Diesel engine compliant with EU Stage III emission standards;
- High climbing ability, small turning radius;
- Front and rear visibility of relatively small blind area;
- Large opening angle of engine hood facilitates service;
- Two large water tanks prolong continuous working time;

Dimension in working configuration

Unit: mm

Dimensions	A	B	C	D	E	F	G	H	I	K
XD120R	2610	1286	2930	293	1200	1773	43	1860	14	750



Main specifications

Item	Description	Unit	XD120R (Russia) Standard Configuration
Weights	Operating Weight	kg	3600
	Front Axle Weight	kg	1800
	Rear Axle Weight	kg	1800
	Static Linear Load	N/cm	147/147
Driving Performance	Operating Speed	km/h	0 - 10
	Theoretical Gradeability	%	30
	Minimum Turning Radius (inside/outside)	mm	2500/3700
	Minimum Ground Clearance	mm	293
	Wheel Base	mm	1773
	Oscillation Angle	°	±8
	Braking Distance(smooth cement pavement)	m	<3.4
Vibration Performance	Vibration Frequency	Hz	55/63
	Nominal Amplitude	mm	0.5
	Centrifugal Force (High/Low)	kN	24.7/32
	Drum Diameter	mm	750
	Working Width	mm	1200
Hydraulic System	Charging Pressure, Drive System	MPa	2.5
	Peak Pressure, Drive System	MPa	40
	Peak Pressure, Vibration System	MPa	35
	Peak Pressure, Steering System	MPa	16
Engine	Model		KUBOTA D1703
	Type		In-line 3-cylinder water-cooling
	Rated Power	kW	25.6
	Rated Speed	r/min	2600

Notes:

Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.



XCMG ROAD MACHINERY BUSINESS
Email: road.marketing@xcmg.com



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