



KD120



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Vibratory Roller

KD120 is a kind of dual drive dual vibration roller special designed for European market. It 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.



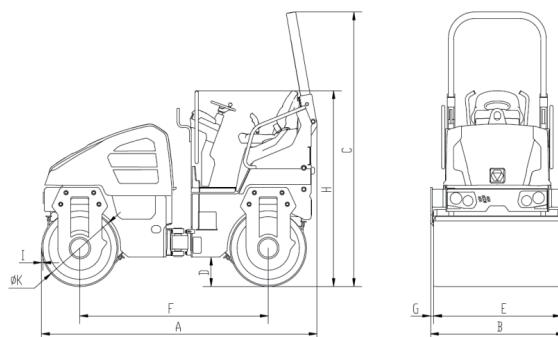
Performance and characteristics

- Its unique XCMG series 5 industrial design won the German Red Dot Award in 2020.
- Comfortable and safe control system
Bilateral access, bright color paint, ergonomics design principle;
Three level damping, suspension seat with safety belt and occupation switch;
Foldable CE ROPS provides safety protection under extreme

- working conditions;
Driving safety and reliability is guaranteed by three means of braking: neutral brake, secondary brake and parking brake.
Waterproof instrument control panel, simple and intuitive.
- Efficient operating performance
Manual and automatic vibration control
67Hz high frequency vibration and high excitation force ensures high compaction efficiency and deep influence.

Main dimensions

Model	A	B	C	D	E	F	G	H	I	K	Unit: mm
XD120	2610	1286	2575	275	1200	1773	43	1845	10	720	



Main specifications

Item	Content	Unit	XD120
Weights	Operating weight	kg	2690
	Front axle weight	kg	1270
	Rear axle weight	kg	1420
	Static linear load	N/cm	104/116
Propelling	Operating speed	km/h	0~9.5
	Theoretical gradeability	%	30
	Minimum turning radius(inside/outside)	mm	2500/3700
	Minimum ground clearance	mm	275
	Wheel base	mm	1773
	Oscillation angle	°	±8
	Braking distance(smooth cement pavement)	m	<3.4
Compaction Parameters	Vibration frequency	Hz	67
	Nominal amplitude	mm	0.5
	Excitation force (High/low frequency)	kN	
	Drum diameter	mm	720
	Drum width	mm	1200
Hydraulic System	Charge pressure, drive system	MPa	2.5
	Peak pressure, drive system	MPa	38
	Peak pressure, vibration system	MPa	25
	Peak pressure, steering system	MPa	16
Engine	Model		KUBOTA D1703-M-DI
	Type		In-line 3-cylinder water-cooled
	Rated power	kW	17.1
	Rated speed	r/min	2200
Miscellaneous	Drive method		Hydrostatic closed-loop
	Vibration method		Hydrostatic open-loop
	Service brake		Hydraulic
	Park brake		Mechanic/hydraulic
	Secondary brake		Mechanic/hydraulic
	Steering system		Articulated
	Steering control		Hydraulic