XCMG

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XD105T

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Vibratory Roller

XD105T vibratory roller meets the requirements of high-end customers and special working conditions in Australia and Central Asia market. It is suitable for asphalt pavement compaction operation, and it can compact various pavements with different materials and thicknesses, which is especially suitable for roads, parking lot, airport and other large-scale engineering pavement compaction operation.

XCMG ROAD MACHINERY BUSINESS UNIT

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Vibratory Roller

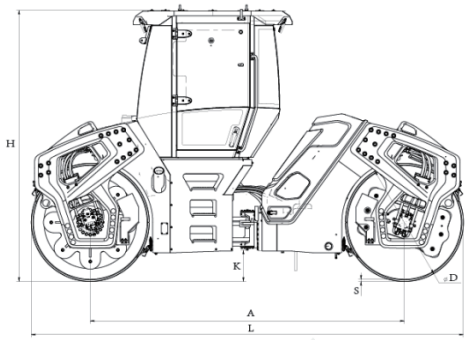
Performance and characteristics

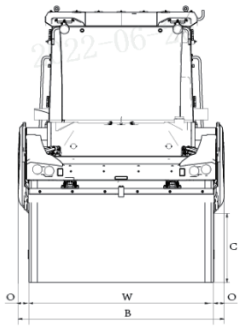
- Convenient maintenance performance
  The integral design hood tilts forward allowing for a complete view of the engine compartment.
  The parts that need to be maintained and replaced, such as air filter, machine filter, diesel fuel filter, hydraulic oil filter, etc., are all placed in easy-to-access locations;
  The fragile parts are also placed in the position of easy access or can be replaced without disassembling more parts.
- Efficient compaction performance
  55Hz high frequency vibration greatly shortens the operation time;
  0 ～ 12km/h infinitely adjustable speed to meet the needs of different working conditions;
  Dual-frequency and dual-amplitude vibration system, front and rear drum can be vibrated independently.

Main dimensions

Unit: mm

Model	A	B	C	L	H	D	S	W	O	K
XD105T	3570	1850	782	4790	3080	1220	17	1680	85	290





Main specifications

Item	Content	Unit	XD105T
Weights	Operating Weight	kg	10000
	Front Axle Weight	kg	5000
	Rear Axle Weight	kg	5000
	Static Linear Load	N/cm	292/292
Maneuverability	Operating Speed	km/h	0-12
	Theoretical gradeability		35%
	Minimum Turning Radius(inside/outside)	mm	5606/7286
	Minimum Ground Clearance	mm	290
	Wheelbase	mm	3570
	Steering Angle		+31°
	Oscillation Angle		±8°
	Braking Distance	m	≤4.36
Compaction Parameters	Vibrational Frequency	Hz	55/45
	Nominal Amplitude	mm	0.45/0.8
	Centrifugal Force (High/Low)	kN	110/90
	Drum Diameter	mm	1220
	Working Width	mm	1680
Hydraulic System	Charging Pressure, Drive System	MPa	2.4
	Peak Pressure, drive System	MPa	38
	Peak Pressure, Vibration System	MPa	32
	Peak Pressure, Steering System	MPa	17.5
Engine	Model		F3.8
	Rated power	kW	104
	Rated speed	r/min	2200
Others	Drive Method		Hydrostatic closed type
	Driving Type		Hydrostatic closed type
	Service Brake		Hydraulic
	Parking Brake		Mechanical/Hydraulic
	Secondary Brake		Mechanical/Hydraulic
	Steering Mode		Articulated
	Steering Control		Hydraulic