

XD83VT



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Combination Vibratory Roller

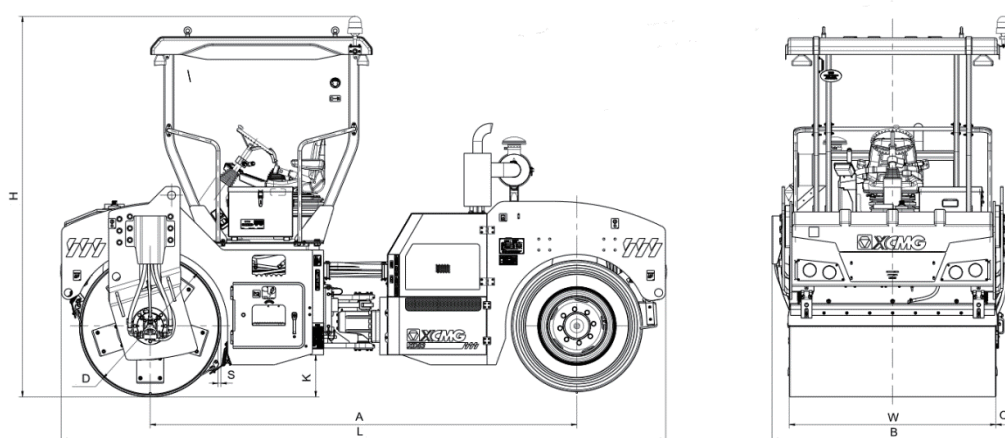
XD83VT Combination vibratory roller is a type of combination roller with front drum and rear tires, mainly used for compacting asphalt pavement, small type base layer, sub-base layer and filling materials. It is an ideal compaction equipment for the compaction of asphalt top layer during high-speed custody.

Performance and characteristics

- The console is able to rotate for 35 degrees to left or right, improving the driving comfort;
- The steering wheel is adjustable to suit every operator;
- Propel lever, display, are arranged at the right side to broaden the front visibility.
- Speed frequency management system provides the operator instruction for compaction operation;
- Guiding the operator to improve operation efficiency.
- The front vibration drum realizes the three-in-one coincidence;
- Avoiding over-compaction and under-compaction;
- Making the road surface more even.
- Rear rubber tires supporting two motor structure independently

Main dimensions

Dimensions	A	B	L	H	W	K	D	S	O
XD83VT	3470	1960	4900	3087	1680	260	1150	16	140



Main specifications

Item	Content	Unit	Value
Weight Parameters	Operating weight	kg	8300
	Front axle weight	kg	4270
	Rear axle weight	kg	4030
	Static linear load (front/rear)	N/cm	249
Maneuverability	Operating speed	km/h	0~6/0~12
	Theoretical gradeability		35%
	Minimum turning radius (inside/outside)	mm	4100/5780
	Minimum ground clearance	mm	260
	Wheelbase	mm	3470
	Steering angle		+38°
	Oscillation angle		±10°
	Crab-walk quantity	mm	100
	Braking distance	m	≤4.36
Compaction Parameters	Vibration frequency	Hz	55/45
	Nominal amplitude	mm	0.35/0.60
	Excitation force (high/low frequency)	kN	60/75
	Drum diameter	mm	1150
	Drum width	mm	1680
Engine	Charge pressure, drive system	MPa	2.5
	Peak pressure, drive system	MPa	40
	Peak pressure, vibration system	MPa	35
	Peak pressure, steering system	MPa	16
	Model		4BTA3.9- C110-II
	Rated power	kW	82
	Rated speed	r/min	2200