

# XS125



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**SINGLE DRUM VIBRATORY ROLLER**

XS125 single drum roller is medium, self-propelled, full-hydraulic vibratory roller, has the big exciting force, high compaction efficiency, good compaction quality, used mainly for compaction operation of base coarse, sub-base coarse, stone filling of high-speed railway, high-grade highway, airport, harbor, dams and industrial construction site.



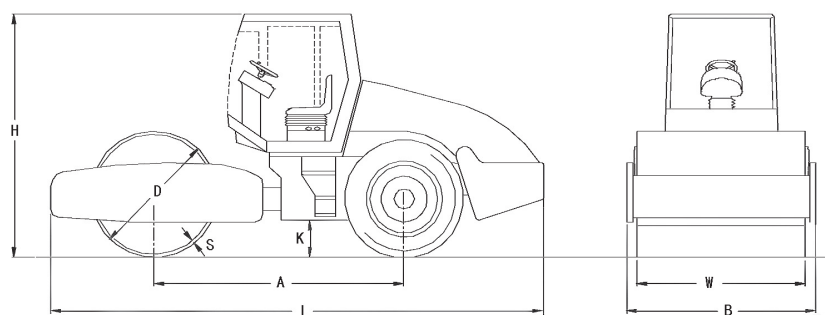
## Performance and characteristics

- This machine utilizes water-cooled, turbocharged DCEC engine with high margin of power, low fuel consumption and low noise. In compliance with China-II Emission Standards.
- Adopt imported closed-loop hydraulic drive system composed of variable displacement pump and motor to ensure better drive performance and gradeability. Two gears infinitely variable speeds ensure optimized working speeds under different working conditions.
- Heavy-duty drive axle, it can automatically realize torque distribution according to the road surface condition, ensuring that the roller can exert the maximum traction force required under various working conditions.
- Braking system is made up with drive axle, wet type brakes at front drum speed reducer, and brake of closed hydraulic system. It owns traveling, parking, and emergency braking functions to ensure driving safety.
- Engine hood tilts forward largely and easily for better access to the maintenance parts.

## Main dimensions

Unit: mm

Model	A	B	D	H	K	L	S	W
XS125	3060	2300	1523	3080	442	6010	25	2130



## Main specifications

Item	Content	Value
<b>Weights</b>	Operating weight	12600kg
	Front Axle Weight	7300kg
	Rear Axle Weight	5300kg
	Static linear load	336N/cm
<b>Maneuverability</b>	Operating speed	0~5km/h; 0~11km/h
	Theoretical gradeability	53%
	Minimum turning radius(inside/outside)	4220mm/6350mm
	Minimum ground clearance	442mm
	Wheelbase	3060mm
	Steering angle	±35°
	Oscillation angle	±12°
	Braking distance	3.9m
<b>Compaction Performance</b>	Vibration frequency	33/42Hz
	Nominal amplitude	1.9/0.95mm
	Centrifugal force (high/low)	285/225kN
	Drum diameter	1523mm
<b>Hydraulic System</b>	Working width	2130mm
	Charging pressure, drive system	2.4MPa
	Peak pressure, drive system	42MPa
	Peak pressure, vibration system	38MPa
<b>Engine</b>	Peak pressure, steering system	16MPa
	Model	4BTA3.9-C125-II
	Type	Water-cooling
	Rated power	93kW
<b>Tire</b>	Rated speed	2200r/min
	Specification	23.1-26-12G23TL
	Ply rating	12
	Air pressure	200kPa
<b>Miscellaneous</b>	Drive method	Hydrostatic closed type
	Vibration method	Hydrostatic closed type
	Service brake	Hydraulic
	Park brake	Mechanical/Hydraulic
	Secondary braking	Mechanical/Hydraulic
	Steering method	Articulated
	Steering control	Hydraulic