

SOLID TO SUCCEED



Single Drum Vibratory Roller

XS135T



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XS135T is a heavy-type, self-propelled, full hydraulic dual drive single drum vibratory roller special designed for Turkey market. This product fulfills the requirements of the European Stage V emission standards. Featuring high excitation force, high compaction efficiency and good compaction quality, it is widely used in compaction work on base layer, sub-base layer and rock fill for roads, railways, airports, harbors, dams and industrial construction sites. Applicable altitude $\leq 3000\text{m}$, Applicable environment temperature $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$.



Main Performance And Characteristics

1 Complete machine

- The machine uses the latest series "5" industrial design with compact structure and aesthetic features; Designed with the best front and rear 1×1m visibility. Fuel oil filter, hydraulic oil filter, oil and water outlet are designed for good accessibility; Large opening hood and centralized pressure measuring points enhances maintenance accessibility.

2 Power system

- This machine utilizes Cummins electrical control engine, water-cooled, turbocharged with big power reservation, low fuel consumption and noise. DOC+DPF+SCR single-cylinder post-processor is adopted to fulfill the emission requirements of European Stage V and US Tier 4F; Independent smart temperature control system realizes low, middle and high fan speeds, reduces fuel consumption.

3 Hydraulic drive system

- Closed loop hydraulic drive system composed of piston pump and piston motor ensures better drive performance and higher gradeability. Two gears infinitely variable speeds ensure optimized working speeds under different working conditions.

4 Transmission system

- Special driving axle for heavy duty roller, tubeless tire.

5 Hydraulic vibration system

- Closed loop hydraulic vibration system composed of piston pump and piston motor. Dual frequency and amplitude, reasonable and optimized match of static linear load and centrifugal force enables the machine to deliver excellent compaction performance over materials of varied layer thickness.

6 Braking system

- Braking system is composed of drive axle, brake on the low speed big torque motor and hydrostatic braking of closed hydraulic system. Service brake, parking brake and emergency brake functions ensure reliable and safe driving.

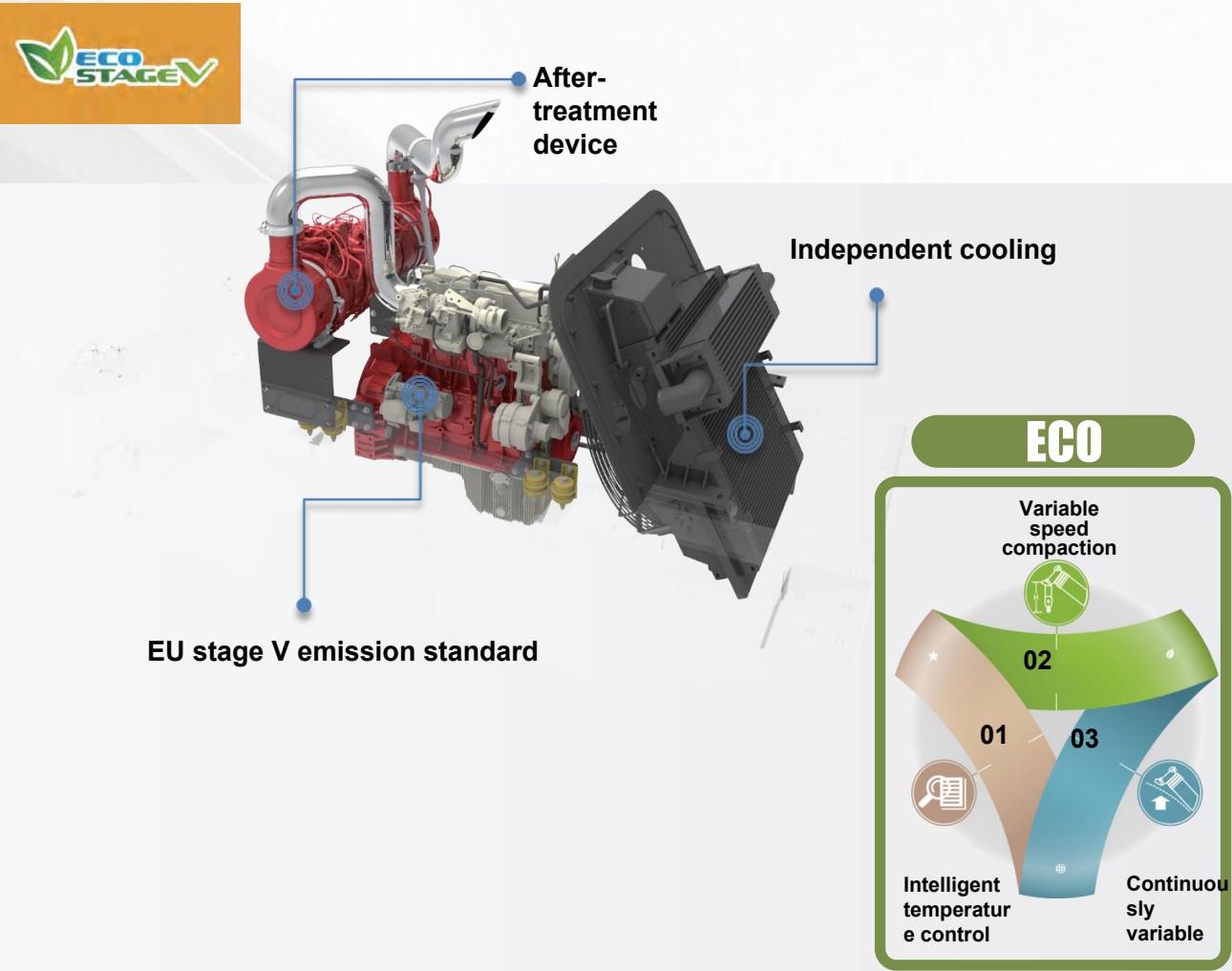
7 Vibration drum

- No impact exciter in combination with inner-cylinder chamber structure make the drum simple and robust; dual frequency and dual vibration function, big static pressure and exciting force enables high working efficiency; special vibration bearing has long lifetime and high reliability.



Superior power performance

This machine utilizes Cummins electrical control engine,water-cooled, turbocharged with big power reservation, low fuel consumption and noise. DOC+DPF+SCR single-cylinder post-processor is adopted to fulfill the emission requirements of European Stage V; Independent smart temperature control system realizes low, middle and high fan speeds, reduces fuel consumption.



Improved traction ability

Closed loop hydraulic drive system with Danfoss piston pump and piston motor and X-ASC control system ensure better drive performance and higher gradeability. The infinitely variable speeds guarantee the working at most appropriate speed under diversified working conditions.



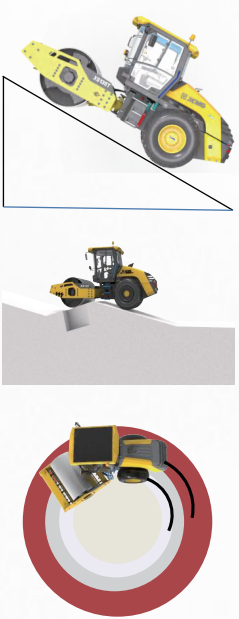
Improved traction ability

- Gradeability

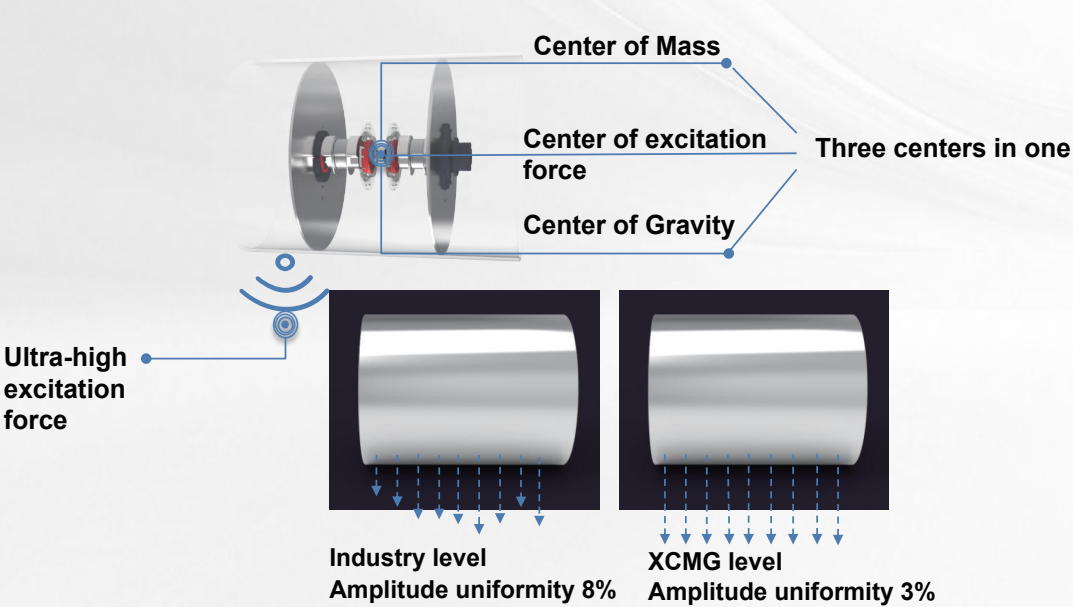
The self-developed X-ASC anti-slip control system enables the roller to easily adapt to various harsh working conditions such as steep slopes and mud.
- Ground Clearance

Large ground clearance ensures that the machine can continuously provide traction even on bad roads.
- Turning Radius

Large steering angle, excellent maneuverability, and easy to drive in tight spaces

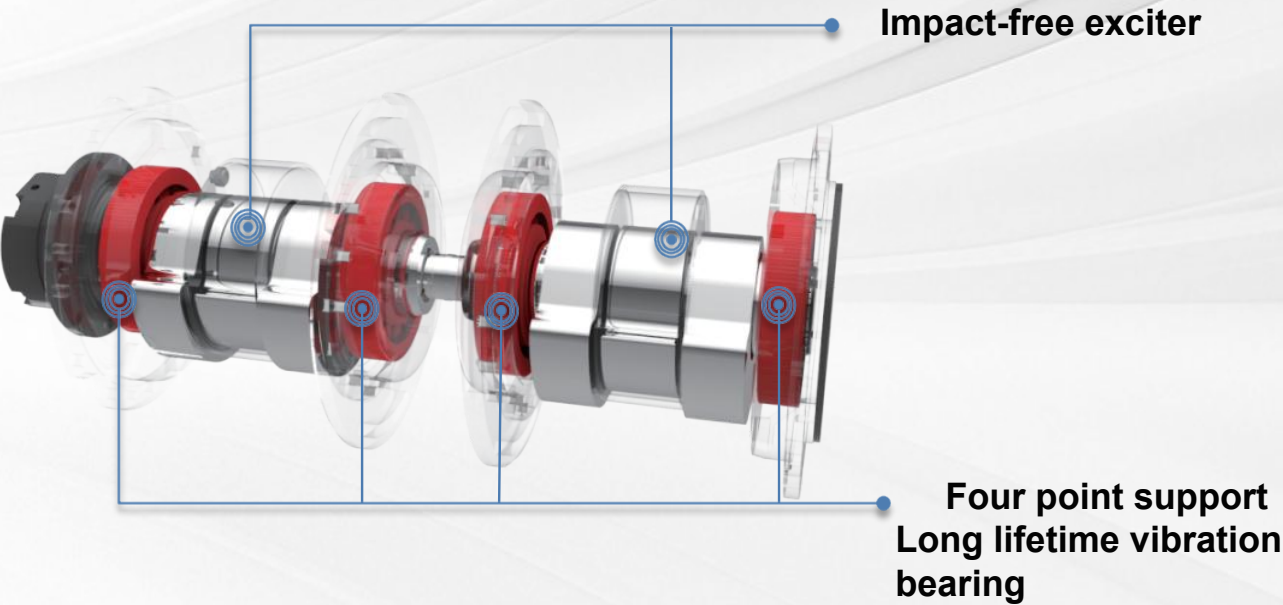
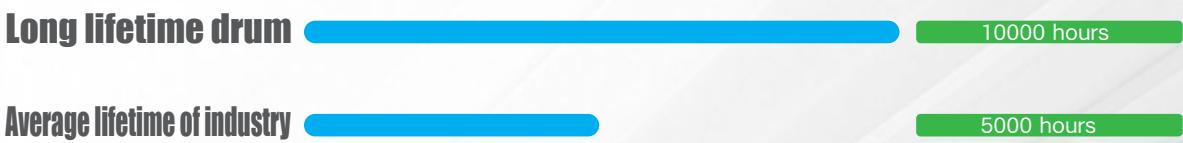


Improved traction ability



Excellent compaction performance

No impact exciter in combination with inner-cylinder chamber structure make the drum simple and robust; dual frequency and dual vibration function, big static pressure and exciting force enables high working efficiency; special vibration bearing has long lifetime and high reliability.



Safe and comfortable control platform

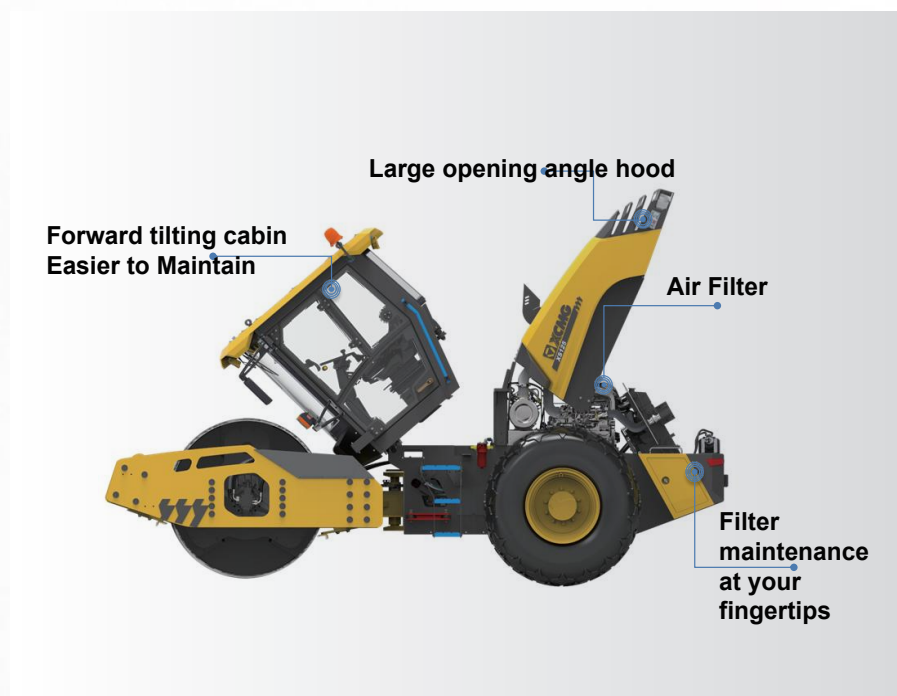
Ergonomic layout: adjustable suspension seat fits different drivers; Hand-shape lever combines with elbow support to enable the driver to operate freely; Sound and light warning indicators on the instrument panel provide instant information on service and maintenance, preventing the machine from working with faults and avoid disastrous damages for minimum on-site downtime.



Excellent 1×1m all-around visibility enhances driving and operating comfort.



Convenient maintenance



Diverse options for wide applications.



Product Features

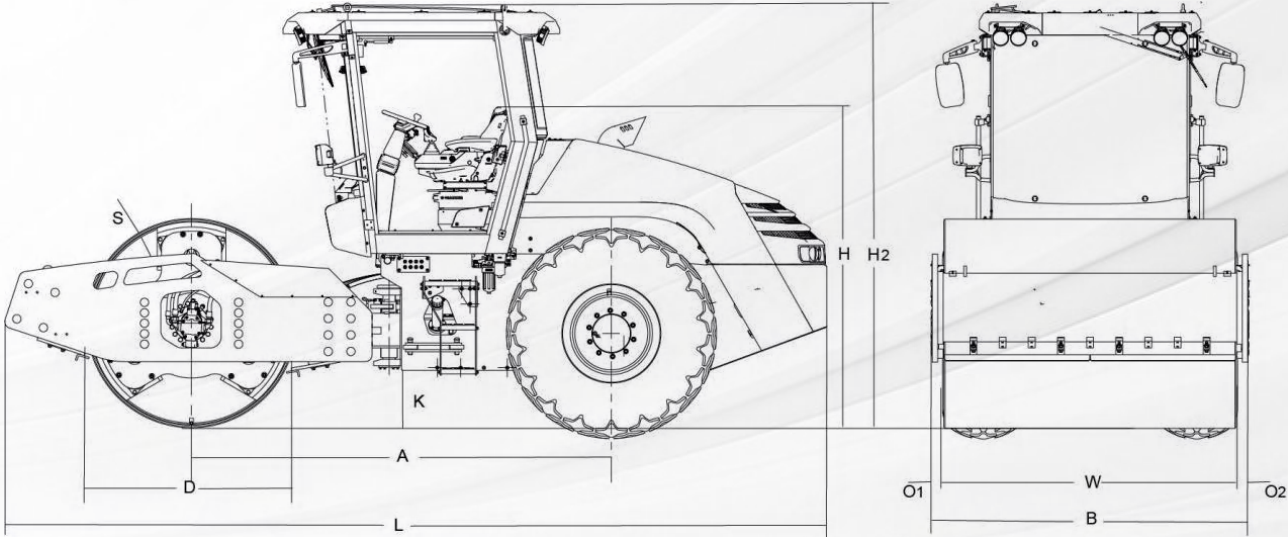
The machine uses the latest series "5" industrial design with compact structure and aesthetic feature; The whole machine is designed with the best front and rear 1×1m visibility. Fuel oil filter, hydraulic oil filter, oil and water outlet are designed for good accessibility; The reversible cabin, large opening hood and centralized pressure measuring points make the maintenance of the whole machine is more convenient. Options like padfoot drum, herringbone tire, dozer blade, reversing radar image, rotary beacon etc. provide users with more diversified choices.



Main Technical Parameters

Items	Description	Unit	XS135T (Smooth drum)
	Operating weight	kg	13300
	Front axle weight	kg	8300
	Rear axle weight	kg	5000
	Static linear load	N/cm	382
Drive Performance	Operating speed	km/h	0-11.7
	Theoretical gradeability	%	47%
	Minimum turning radius(intern)	mm	4220
	Minimum ground clearance	mm	467
	Wheelbase	mm	3060
	Steering angle	°	35
	Oscillation angle	°	10
	Braking distance	m	3.9
Compaction Performance	Vibration frequency	Hz	30/35
	Nominal amplitude	mm	2.0/1.0
	Excitation force (High/low frequency)	kN	290/195
	Drum diameter	mm	1523
	Drum width	mm	2130
Hydraulic System	Charge pressure, drive system	MPa	2.4
	Relief pressure of drive system	MPa	38
	Relief pressure of vibration system	MPa	38
	Relief pressure of steering system	MPa	16
Engine	Model	-	F3.8
	Type	-	Turbocharger water-cooled electrical control
	Rated power	kW	115
	Rated speed	r/min	2200
Tire	Spec.	-	23.1-26-12G23TL
	Ply rating	-	12
	Air pressure	kPa	200
Miscellaneous	Drive method	-	Hydrostatic closed-loop
	Vibration method	-	Hydrostatic closed-loop
	Service brake	-	Hydraulic
	Park brake	-	Mechanic/hydraulic
	Secondary brake	-	Mechanic/hydraulic
	Steering system	-	Articulated
	Steering control	-	Hydraulic

Appearance And Dimensions



Dimensions	A	B	D	H	H2	K	L	O1	O2	S	W
XS135T	3060	2300	1523	2340	2990	450	5990	85	85	30	2130

Optimum services , XCMG Guaranteed



Cummins engine



Genuine parts



Extension of warranty



Financial solutions



Maintenance contract



Telematics



Monitoring systems

Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery.What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all users.

Full range of services ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of servcices are available in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spareparts System

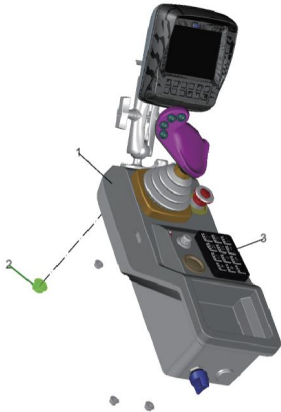
XP305S

Pneumatic Tire Roller

PIN/VIN : XUG03054VKJE02365

225704540 CONTROL BOX

Number	Material Encoding	Name	Quantity	Handle
1	225704532	CONTROL BOX STRUCTURE	1	W ☆
2	895238409	NUT M8	4	W ☆
3	225704541	CONTROL BOX ELECTRIC	1	W ☆



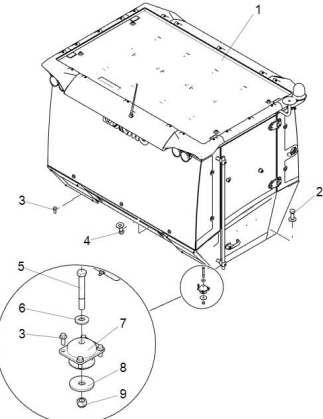
XP305S

Pneumatic Tire Roller

PIN/VIN : XUG03054VKJE02365

225704748 DRIVER'S CAB ASSY

Number	Material Encoding	Name	Quantity	Handle
1	225704791	CAB ASSEMBLY	1	W ☆
2	805006280	BOLT M16-45	9	W ☆
3	805004763	BOLT M10-25	16	W ☆
4	805046571	BOLT M16-30	2	W ☆
5	805046668	BOLT M16-120	4	W ☆
6	805301377	WASHER 16	15	W ☆
7	228901569	SHOCK CABSORBER	4	W ☆
8	229000495	BIG FLAT PLATE	4	W ☆
9	805239156	NUT M16	4	W ☆



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