RP705i



RP705i

Paver

RP705i paver is a construction machine mainly used for the paving of surface material on various classified highways. The machine fully absorbs the advanced technologies and advantages of similar international products. It adopts the most advanced technologies in the world today, such as full hydraulic drive, microcomputer control, left and right independent drive, material level sensing control, electronic automatic leveling, vibra E1834T mpaction, variable-frequency electric heating, etc. It has the advantages of good paving stability, uniform material supply, high precompaction density, good leveling, comfortable operation, convenient maintenance, energy conservation and environmental protection. All the components of the machine are internationally selected components, strictly tested and reasonably combined, which makes the manufacturing quality and reliability of the whole machine reach the international advanced level, and is the first choice of road construction equipment.

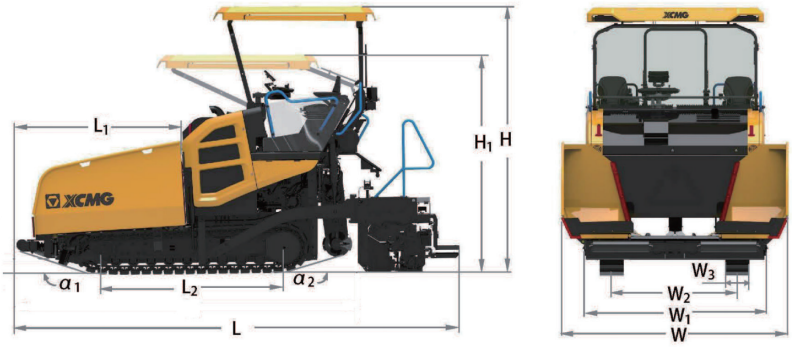
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Performance and characteristics

- The left and right driving devices run separately, the microcomputer control is adopted and the constant-speed automatic control technology is utilized to control the paving speed.
- An advanced Cummins B4.5 turbocharged water-cooled diesel engine which meets the Euro-V emission standard is adopted, with strong power, energy conservation and environmental protection.
- The three-in-one compound radiator is adopted and the fan speed is adjusted automatically with the water temperature to ensure that the machine can work continuously for long time at a high temperature of 50℃.
- Four sets of full hydraulic systems that run separately are adopted for the conveying and distributing; the material pad control technology (or ultrasonic) is adopted for conveying, and the ultrasonic sensing control technology is adopted for distributing; the material level is controlled automatically to ensure stable material level in the chute.

Main dimensions

Model	L	L1	L2	α1	α2	H	H1	W	W1	W2	W3
RP705i	6335	2330	2706	18	15	3850	2930	3220	2550/3000	1856	300



Main specifications

Item	Unit	Value
Basic paving width	m	2.5～5
Maximum paving width	m	7.5
Maximum paving thickness	mm	300
Maximum operating speed	m/min	23
Maximum traveling speed	km/h	4
Theoretical productivity	t/h	600
Hopper capacity	t	13
Gradeability	%	20
Flatness (standard deviation)**	mm	1.2
Cross slope error	%	±0.2
Arch adjustment range	%	-1.5～+4.5
Diesel engine model	/	B4.5
Rated power of diesel engine	kW	115
Rated speed of diesel engine	r/min	2000
Distributing speed	r/min	0～95
Conveying speed	m/min	0～25
Vibrating speed	r/min	0～1800
Vibrating amplitude	mm	4
Vibration frequency	Hz	0～50
Overall weight	t	18～20.5
Transportation outline dimensions	mm	6030×2550×2930
Diesel tank capacity	L	190
Hydraulic oil tank capacity	L	150

Notes:
Specifications and configurations may vary depending on options and regional regulations. XCMG reserves the right to make changes to specifications without prior notice.

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