

Paver-Finisher RP705



EU-STAGE V / TIER 4F

Maximum paving width : 7.5m (295.3in)

Maximum paving capacity: 600t/h

Transport width: 2.55m (100.4in)

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INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 395th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.

Overview

Made to match even the highest European expectations on reliability and technology, the RP705 exceeds all requirements on paving performance in its segment. Equipped with a powerful drivetrain, an extraordinary capable feeding system and a rigid screed, the RP705 allows excellent pavement evenness at uniform and high precompaction.

The installed engines fulfill all local emission standards. The integrated powertrain management achieves best overall economy by reduced fuel consumption as well as prolonging possible service life of related components. All those solutions, enhancing performance quality, fuel economy and durability, pose invaluable contributions to environmental protection.





Series 5 Paver Design

The unique XCMG Series 5 pavers combine aesthetics in a compact structure with a practical, operator friendly design. The next generation control system integrates advanced functions and its ergonomic design enables intuitive operation without disturbing view over the working area. Bright LED work lights enhance the view during night work. The retractable fiberglass canopy with side-extensions and the wide swiveling seats greatly improve the operators comfort. Wide opening, large engine hood and side service-doors allow convenient accessibility of all maintenance points. Various options are available, including numerous screed bolt-on extensions, electrohydraulic crown and extensions height adjustment, rotating and heated side skirts, etc.





Next Generation Controls

X-PC control system

XCMG Paver Controls form the next generation, future proof intelligent control system for road construction machinery. It utilizes a rigid switchboard with all elements perfectly arranged for intuitive use. All keys are clearly marked with backlit symbols and are equipped with function indicator LEDs. The daylight visible 10.1-inch touch screen allows simple controls of all advanced paver functions and indicates in real-time the machines status and diagnostics. The screed consoles are equipped with 7-inch color displays, integrating all necessary functions e.g. leveling functions, material feeding management and the screed controls.



Functional menus
Status information
Automation settings
Performance overview
Diagnostic feedback

Ergonomic keyboard with simple
overseeable functional arrangement.



Improved
automation level



Back-lit key symbols
and function LEDs



Intuitive screen
operation.



10.1" touch display.



Comfortable lever
and knobs for speed
and steering.



Comfortable Operators Environment

The standard hydraulically retractable canopy is robust and rigid, equipped with bright LED working lights at the front and rear. Large angle swiveling seats greatly improve operation comfort; large opening of side service-doors for easy maintenance. Optional rearview mirrors simplify all around visibility and the selectable windshield provides additional protection from weather and bitumen fumes from the hopper.

Bright LED worklights
on the front and the
rear roof side.

Hydraulic lifting &
lowering.

Wide forward
opening engine hood.

Fiberglass canopy with
build-in side extensions.

Rear view mirrors.

Front windshield
optional.

Comfort seat on
swiveable platform.

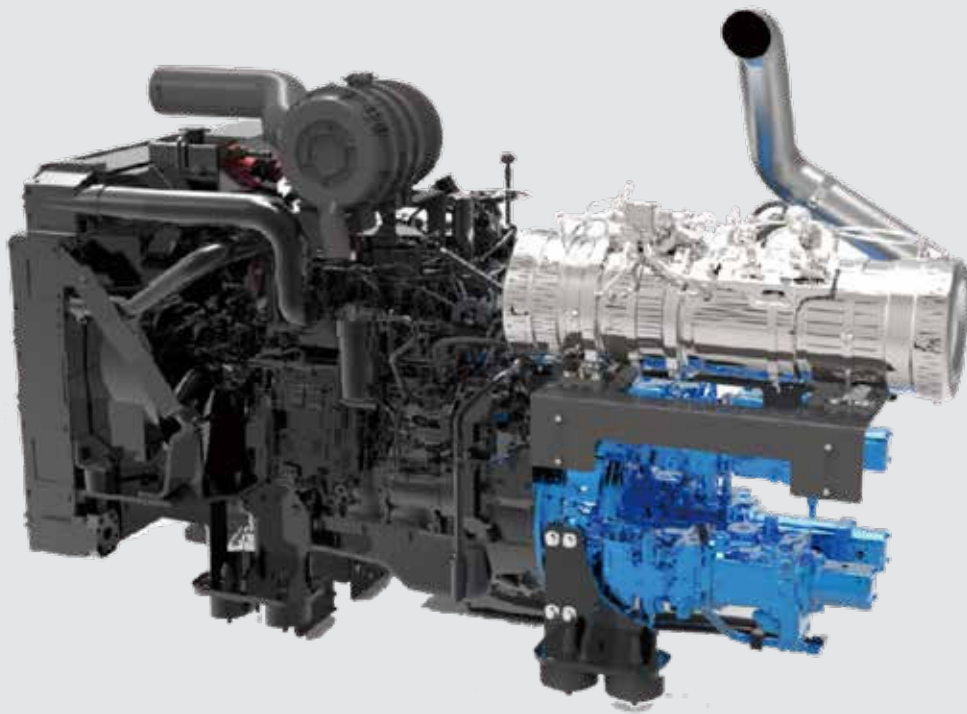
Wide opening side
doors



Sustainability and Energy Conservation

The powerful engine meets all required emissions standards. The large radiator allows the variable speed fan to provide sufficient cooling even at low speeds. Multiple ECO mode levels improve fuel efficiency and noise emissions; they may prolong systems service life significantly.

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Powertrain System

The electronic controlled, water-cooled, turbocharged engine has large power reserves. Due to its low fuel consumption and noise emissions it fulfills all regional standards.

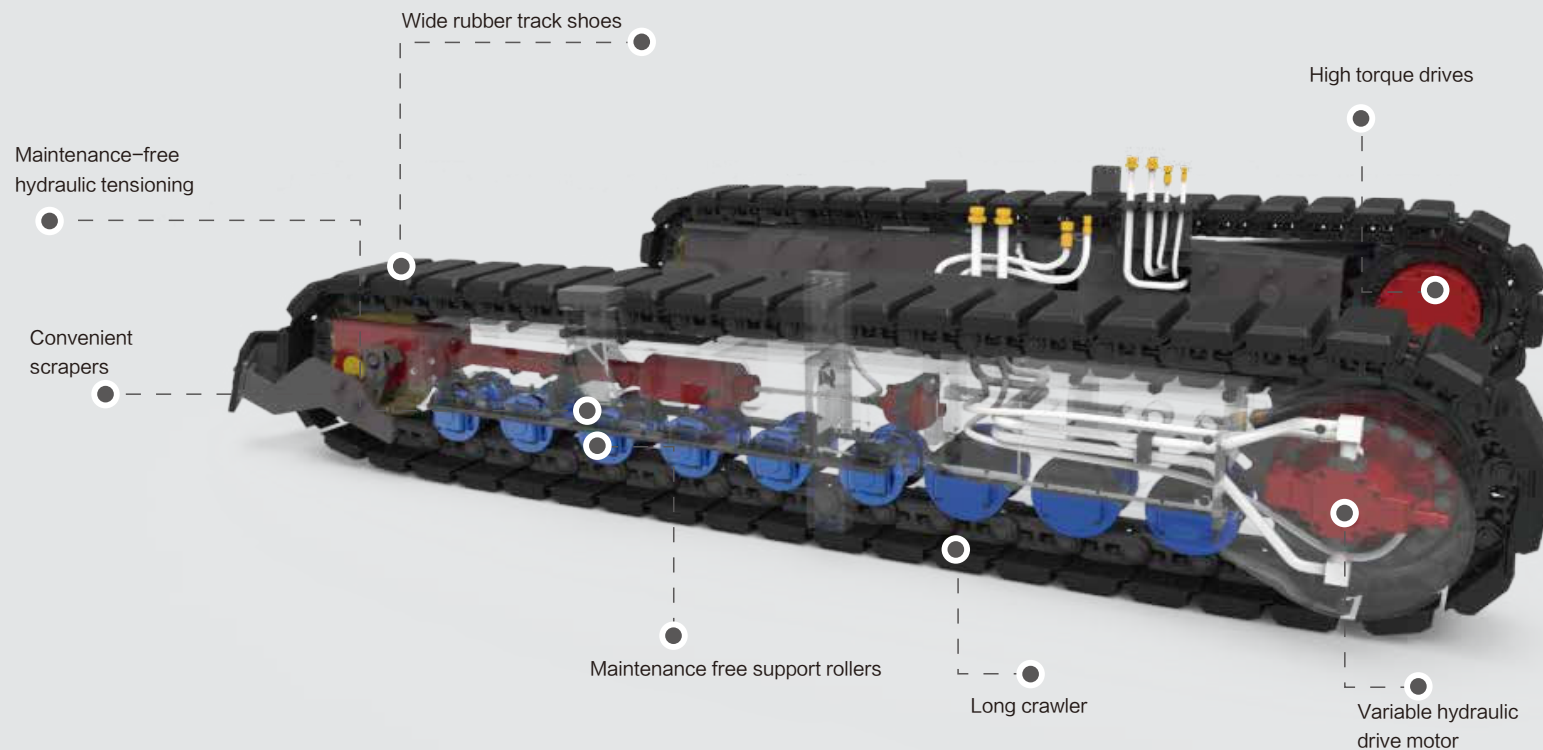
In case of EU-Stage V & EPA-TIER 4F requirements, the engines are equipped with a monoblock DOC+DPF+SCR-System.

Multiple ECO modes and the intelligent cooling controls with variable fan speed reduce pavers fuel consumption and noise emissions.



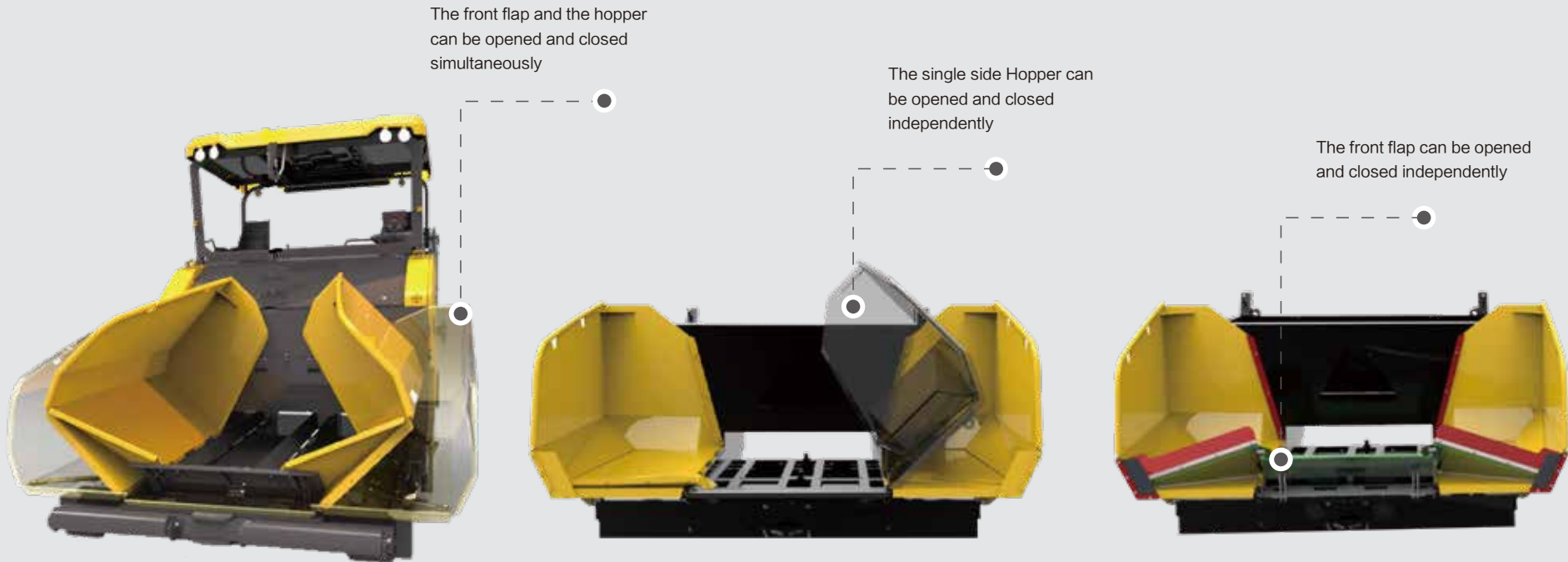
Extraordinary Propel System

The long, wide crawlers powered through high torque reducers and high pressure hydraulics are electronic controlled. They ensure highest traction force for best propel stability.



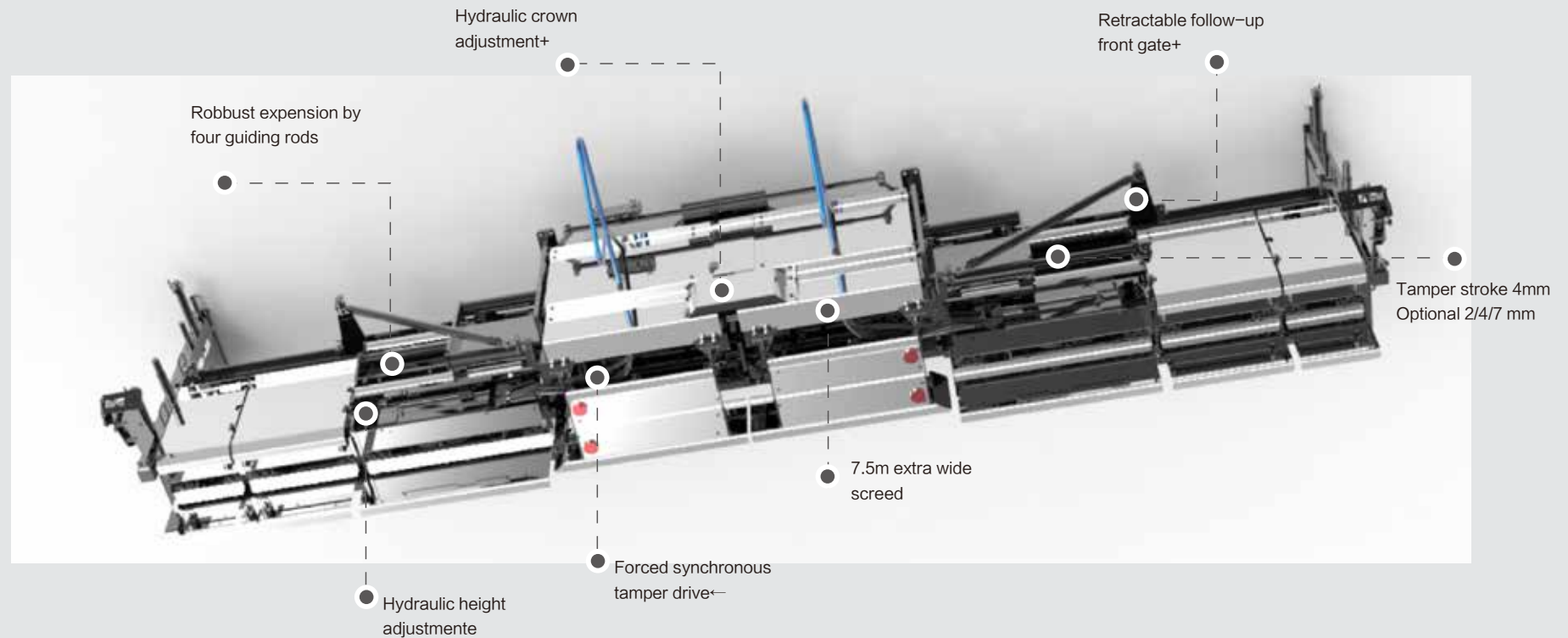
Versatile hopper system

Hydraulically operated front hopper apron prevents material spillage during construction and saves labor costs; Hoppers wings may be operated individually or combined, depending on situation. The front apron can be raised and lowered independently for convenient cleaning and maintenance tasks.



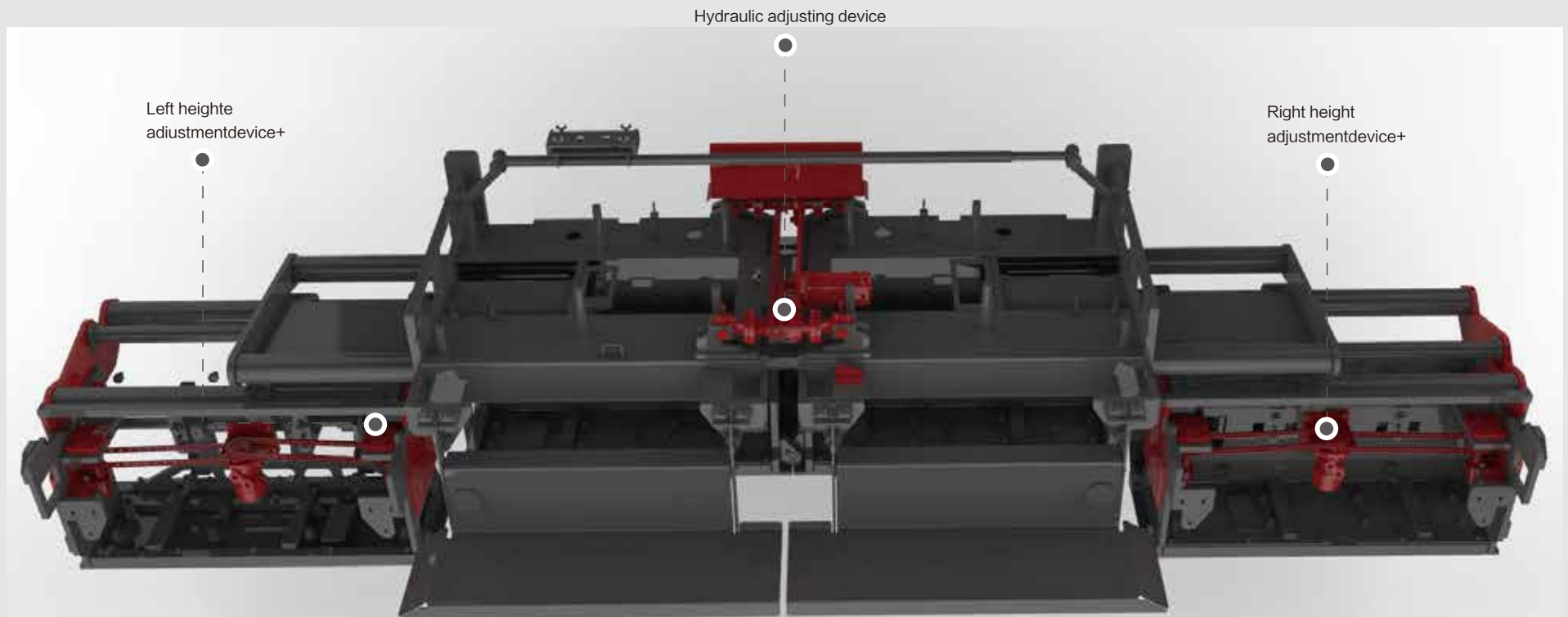
Advanced screed design

The E500-2 screed is compact though offering extraordinary rigidity due to its four guiding rod support. It ensures best in class paving performance. The basic screeds width is hydraulically extendable between 2.5m and 5.0m, with bolt-on extensions the RP705 may reach paving widths up to 7.5m. This permits a wide application range and convenient transportation.



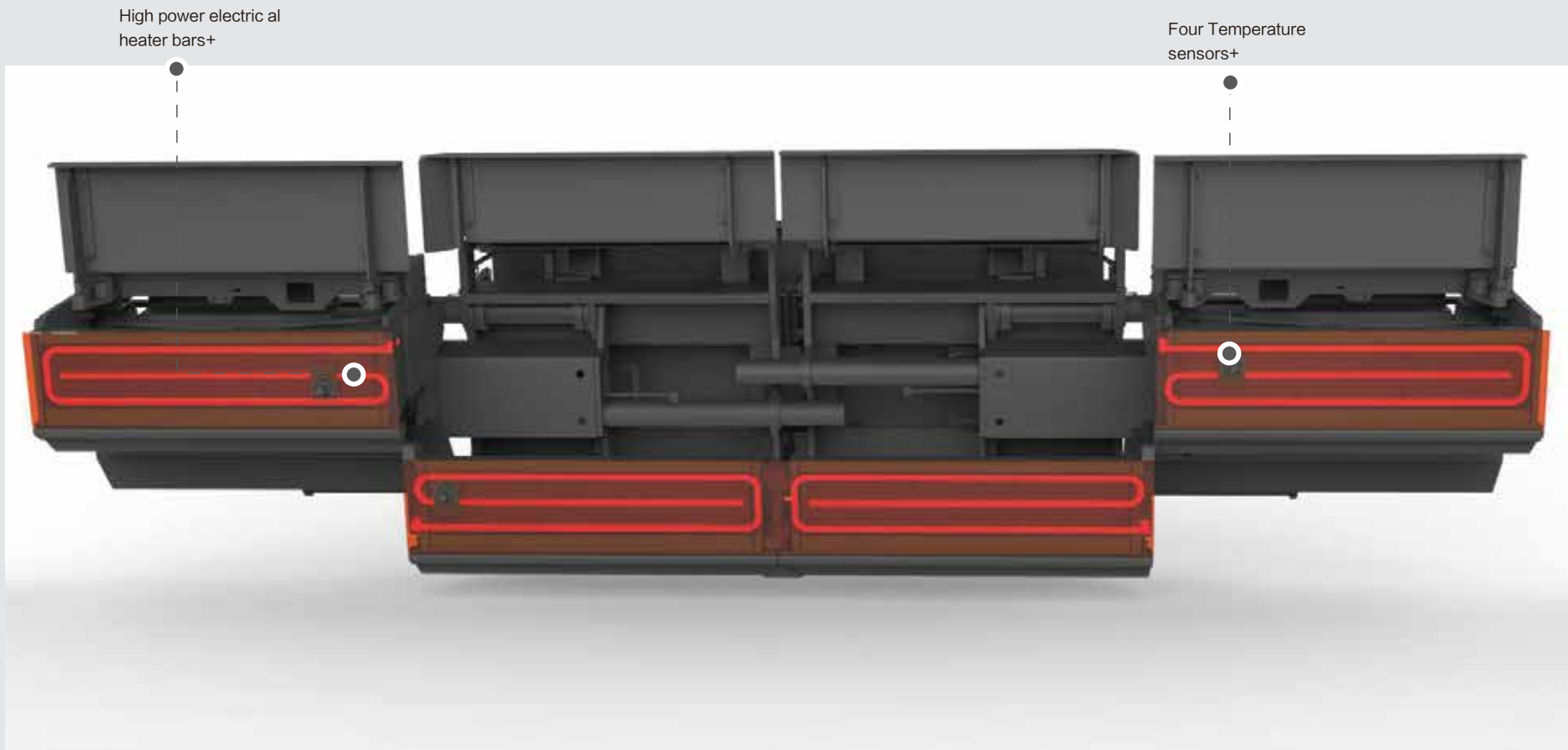
Advanced screed design

The E500-B screed is equipped in standard with electro-hydraulic controlled crown profile and extensions height adjustment, operated by the control stations



Advanced screed design

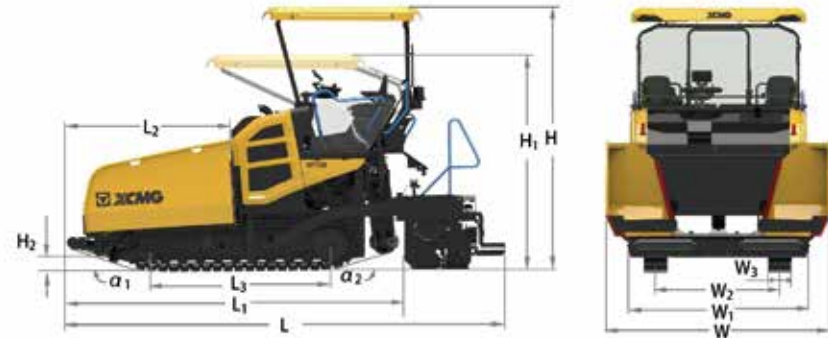
- > Fast heating with variable electric power controls
- > Efficient electric heating system.



Technical Specification

Content	Unit	RP705(Metric)	Unit	RP705 (in)
Theoretical productivity	t/h	600	t/h	600
Basic paving width	mm	2500~5000	in	98.4~196.9
Max. paving width	mm	7500	in	295.3
Max. paving thickness	mm	300	in	11.8
Max. paving speed	m/min	24	fpm	78.7
Max. transport speed	km/h	4	mph	2.5
Max. gradability	%	20	%	20
Engine Manufacturer	-	Cummins	Cummins	Cummins
Engine Model	-	B4.5	B4.5	B4.5
Emission	-	EU-Stage V & EPA-TIER 4F		
Fuel	-	Diesel		
Rated power	kW	115	hp	154
Rated speed	rpm	2000	rpm	2000
Crawler contact length	mm	2700	in	106.3
Track shoes width	mm	300	in	11.8
Hopper capacity	t	13	t	13
Conveyor speed	m/min	0~21	fpm	68.9
Auger speed	rpm	0~95	rpm	95
Auger wing diameter	mm	360	in	14.2
Electric system voltage	V	24	V	24
Tractor weight	T	14	t	14
Operating weight	kg	17500	t	17.5
Max. weight	kg	19000	t	19

Overall dimension



Model	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	α_1	α_2
Metric	6276	4770	2424	2688	3220	2550	1856	300	3754	2948	170	18	15
in	247	187.8	95.4	105.8	126.8	100.4	73	11.8	147.8	116	6.7	18	15

Optimum Services , XCMG Guaranteed



XCMG approved
attachments



Genuine parts



Financial
solutions



Maintenance
contract



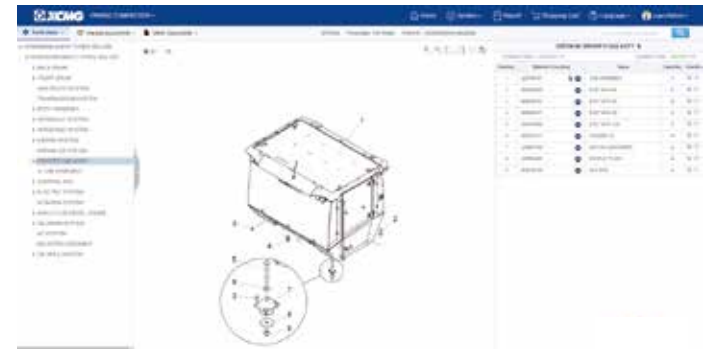
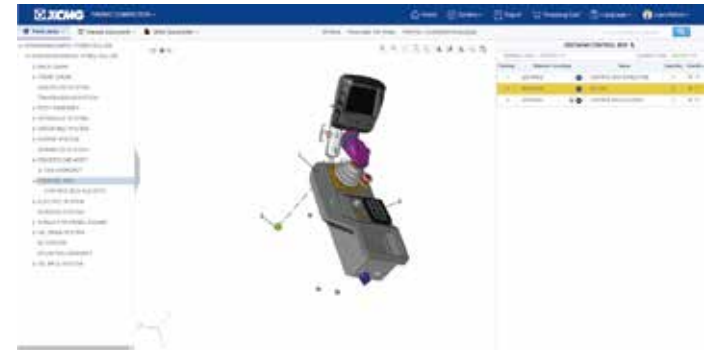
Full Range of Services Ready for you

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 services are available in order to reduce your total cost of ownership and increase your revenue.

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 customers.

XCMG Global Spare parts System



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery

