

# 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, vibraE1834Tmpaction, 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.

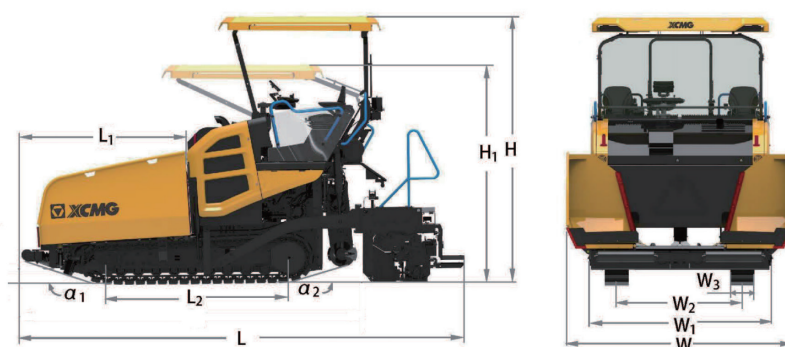
## Performance and characteristics

- 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 °C.
- 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   | $\alpha_1$ | $\alpha_2$ | 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                 | %     | $\pm 0.2$      |
| 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.



XCMG ROAD MACHINERY BUSINESS  
Email: road.marketing@xcmg.com



Official Website



Facebook



Youtube