

RP305



RP305

Paver

RP305 paver is a mini crawler paver that meets the requirements of EU Stage V emission standards. It is equipped with E1120TV hydraulic screed, with a maximum paving width of 3.2m, featuring simple operation and high compaction capacity. It is ideal for asphalt surface construction in narrow and low working conditions such as urban bicycle lanes, landscaped roads, residential roads and stadium roads.



Performance and characteristics

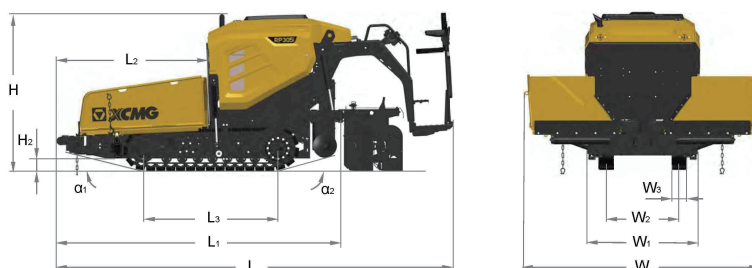
- Kubota EU stage V engine with 55.4kw, has a large power reserve factor, can adapt to more working conditions.
- Innovative design of electronic cooling fan, significantly reduce noise and save energy. Equipped with ECO mode, the construction noise is further reduced.
- Wireless remote control system + multi-function display panel, easy to use and closer human-machine interaction.
- E1120TV double tubes supported extending screed, with single tamper and vibrator, which improves the density and evenness of the road.

- High-torque radial plunger feeding motor, anti-block design better adapts to high viscosity asphalt.
- “One-key construction” can switch the auger, conveyor and tamper function to automatic mode simultaneously, extremely simplify the operation.
- Two-time folding hopper realizes single hopper wing control, adapt to more working conditions and provide more options for material dumping.
- Prolonged crawler ensures the walking stability, and closed-loop control makes the driving speed more accurate.

Main dimensions

Unit: mm

| Model | L | L1 | L2 | L3 | W | W1 | W2 | W3 | H | H1 | H2 | α_1 | α_2 |
|-------|------|------|------|------|------|------|-----|-----|------|------|-----|------------|------------|
| RP305 | 4910 | 3530 | 1940 | 1703 | 2910 | 1450 | 920 | 180 | 1980 | 1980 | 160 | 13.5° | 14° |



Main specifications

| Item | Content | Unit | RP305 |
|--------------------|---|-------|------------|
| Basic parameters | Basic paving width | mm | 1100~2000 |
| | Max. paving width | mm | 3200 |
| | Max. pave thickness | mm | 200 |
| | Max. paving speed | m/min | 30 |
| | Max. drive speed | km/h | 3.6 |
| | Maximum theoretical productivity | t/h | 260 |
| | Max. gradeability | % | 20 |
| Engine | Manufacturer | - | Kubota |
| | Model | - | V3800 |
| | Emission | - | EC Stage V |
| | Fuel | - | Diesel |
| | Rated power | kW | 55.4 |
| | Rated speed | rpm | 2200 |
| Crawler | Grounding length | mm | 1703 |
| | Track width | mm | 180 |
| Conveyor | Hopper capacity | t | 5.8 |
| | Scraper numbers | - | 1 |
| | Scraper speed(maximum) | m/min | 25 |
| Auger | Speed(maximum) | rpm | 70 |
| | Diameter | mm | 300 |
| Electrical system | Battery voltage | V | 24 |
| Weight | Tractor weight | t | 6.2 |
| | Operating weight | t | 7.6 |
| | Total weight | t | 7.8 |
| Noise | Sound pressure level LPA at the operator ears | dB(A) | 90 |
| | Emitted sound level | dB(A) | 104 |
| Main configuration | 1. Kubota EC Stage V engine with 55.4kW; 2. E1120TV hydraulic extending screed(single tamper+vibrator+electric heating); 3. Standard intelligent control system; 4. MOBA leveling instrument/material level instrument; 5. Wireless remote control. | | |
| Options | 1. Bolt-on extensions: 2×0.45m+2×0.15m, maximum paving width 3.2m. 2. Bolt-on extensions: 2×0.45m, maximum paving width 2.9m. 3. Bolt-on extensions: 2×0.15m, maximum paving width 2.3m. 4. Cut-off shoes. | | |