

SOLID TO SUCCEED



Paver

***RP953***



**400-110-9999**

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The RP953 is the flagship model of XCMG's 3-Series large pavers and the preferred choice for high-performance stabilized soil paving. Designed for expressway roadbases and classified highway projects, it combines premium quality, exceptional efficiency, and outstanding value to meet the demands of modern infrastructure construction.

Integrating state-of-the-art technologies—including full-hydraulic drive, intelligent electronic control, independent left and right drives, ultrasonic material level sensing, automatic leveling, and a double-tamper compaction system—the RP953 delivers unmatched reliability and paving precision. With its high output capacity, remarkable paving stability, and uniform material flow, it ensures superior pre-compaction and a smooth, durable surface finish. Thoughtfully designed for operator comfort, easy maintenance, and long-term dependability, the RP953 sets a new benchmark for efficiency and performance in the global paving industry.





## Main Performance And Characteristics

- 1** The mature and reliable Shanghai SC9DK220 diesel engine is installed, with the strong power output up to 162kW.
- 2** The three-in-one high-power composite radiator is installed to, by means of forced central heat dissipation, guarantee the long-time continuous working of machine under 50°C high temperature environment.
- 3** The left and right independent traveling drives are applied, the computer control is utilized, and the constant-speed automatic control technology is adopted for the paving speed.
- 4** Four sets of independent hydraulic drive systems are adopted for the material conveyance/distribution and the ultrasonic sensing control technology is adopted for the material level control to ensure the constant material level.
- 5** The distribution device can move vertically to adapt to diversified paving thicknesses and reduce the material segregation and power consumption.
- 6** The material distribution vanes are made of highly wear-resistant alloy and the material conveyance baseplate and the screed baseplates are made of wear-resistant steel plates to effectively prolong the life of machine.
- 7** The mechanical extended double-tamper screed features excellent stiffness and high working compactness.
- 8** The electron automatic leveling system guarantees the evenness of the paved road.
- 9** The control console can visually display all working functions and paving/traveling speeds and can move laterally to ensure easy operations.
- 10** The centralized lubrication system can automatically supply oil uniformly to the bearings at all high temperature portions.
- 11** The machine boasts high automation level, simple and easy operations, good construction quality, and high working efficiency.





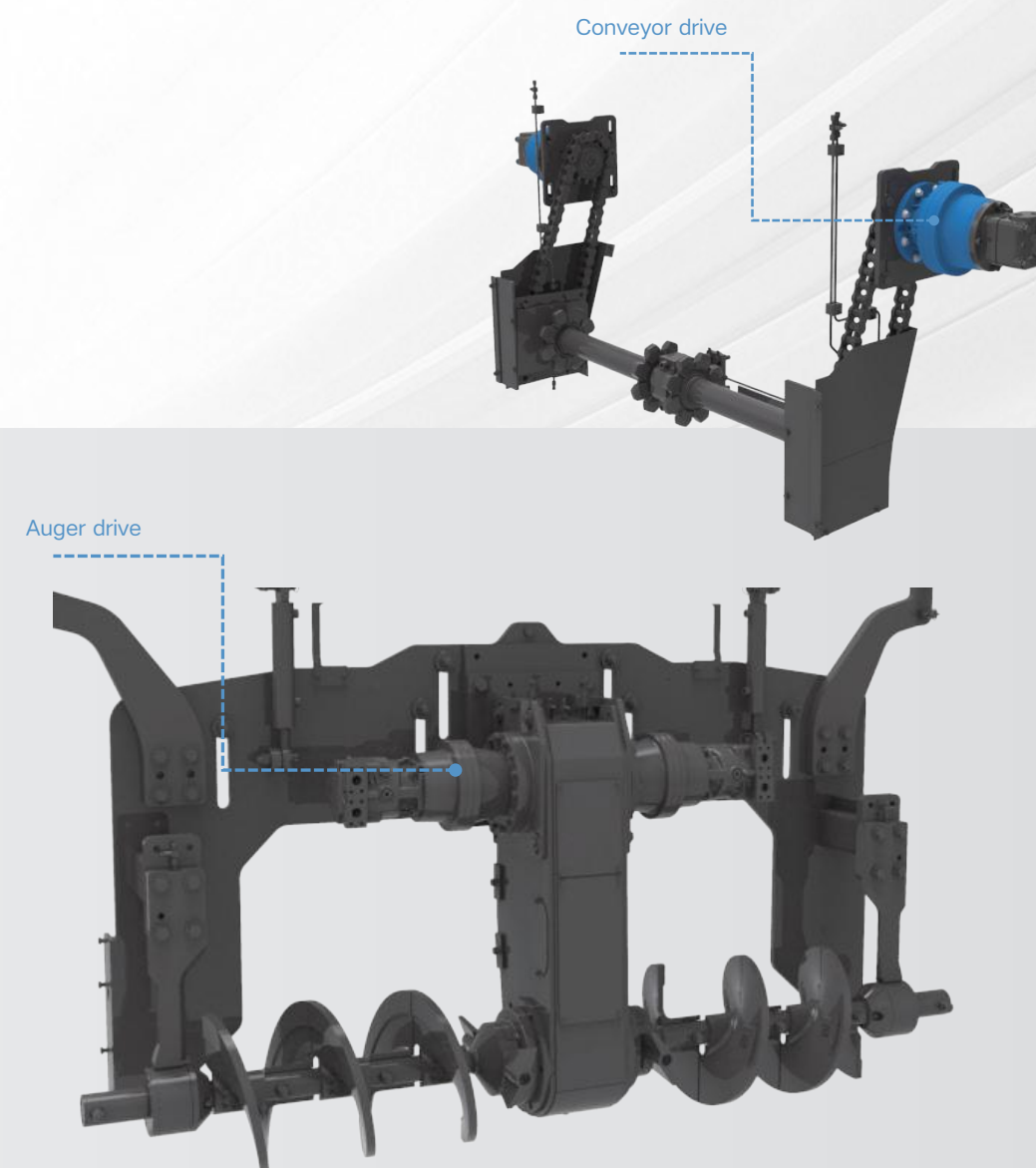
## Improved New Type Mechanical Screed

- Improved mechanical screed with reliable construction quality.  
Optional gas heating or electric heating type.



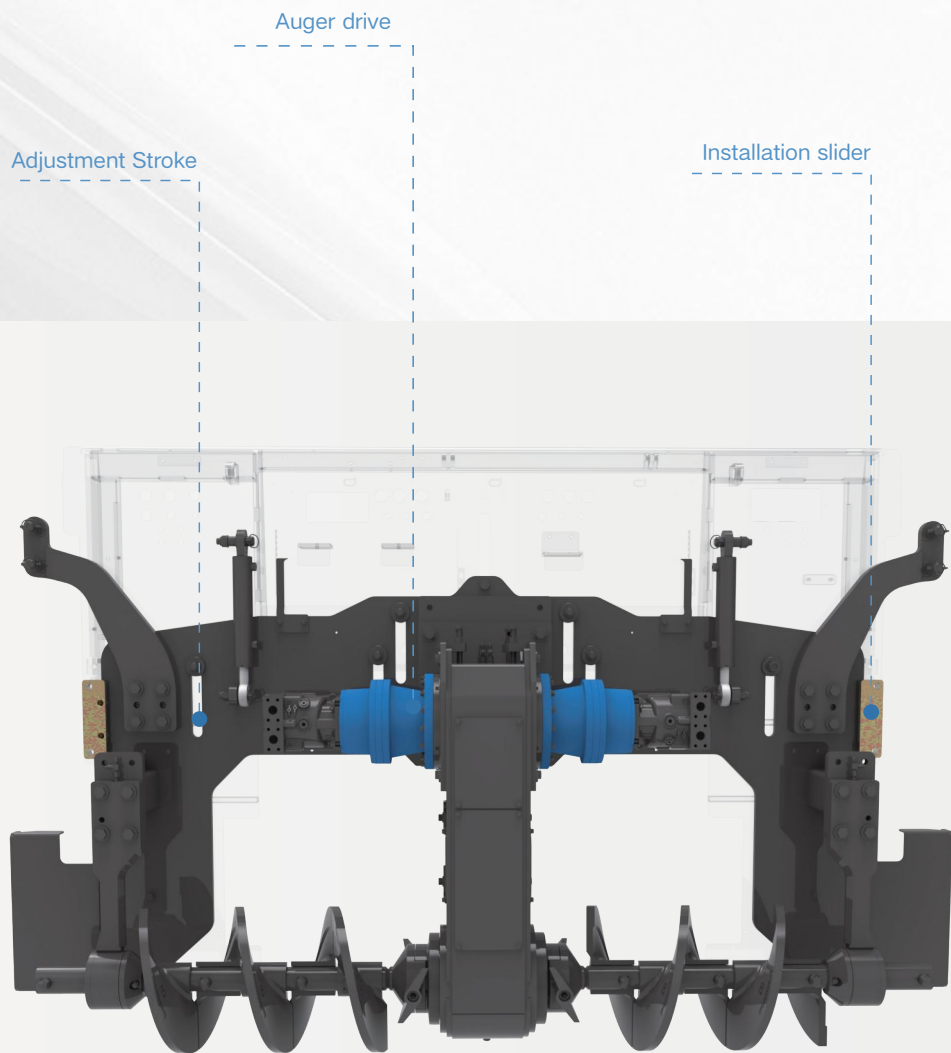
## High-efficiency material conveying and distributing capacity

Faster rotating speed of distributing rod and larger pitch of distributing blade ensure that its distributing capacity is more than 15% higher than that of similar products in the industry.



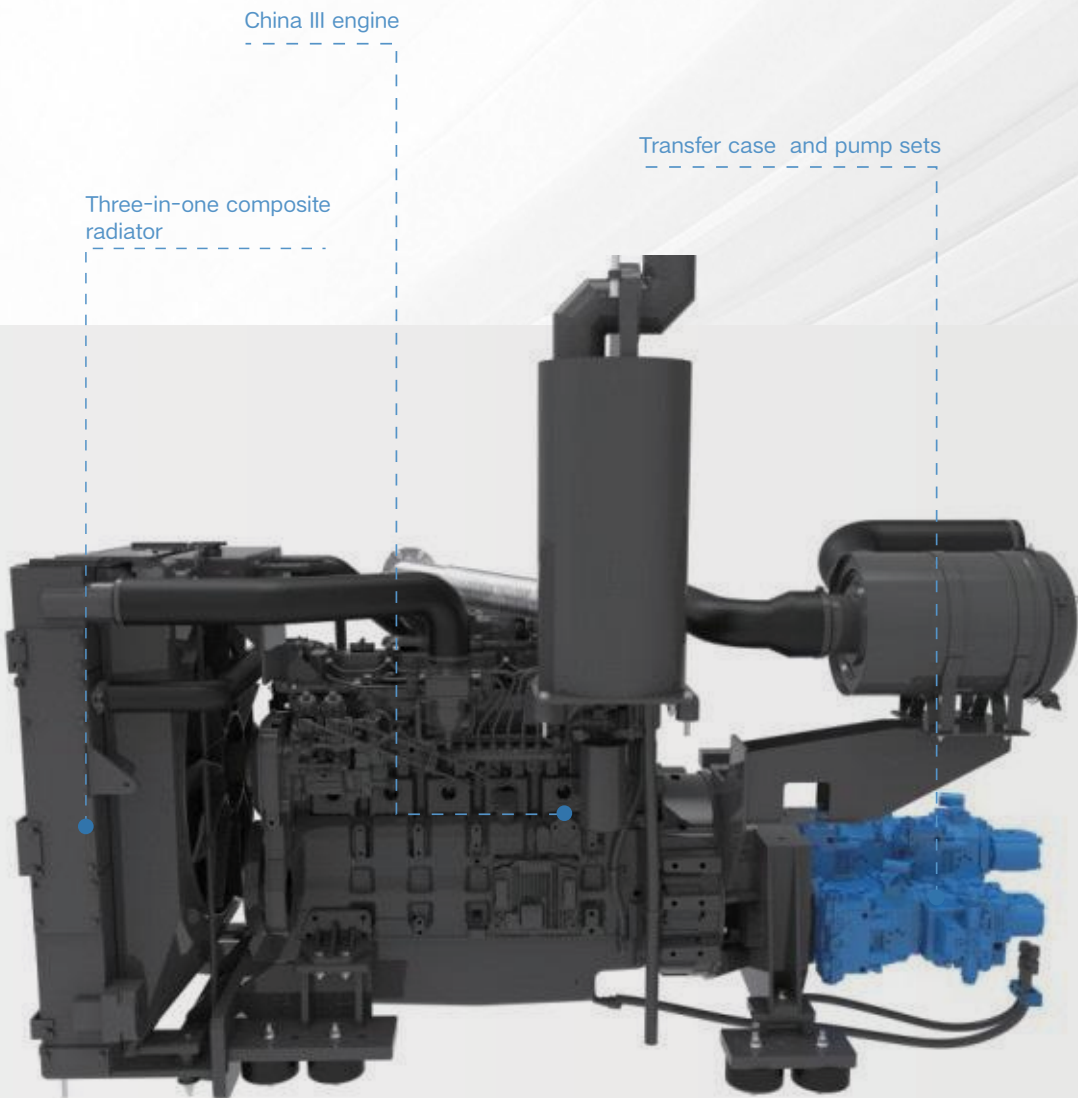
# Convenient adjustment of discharging height

The hydraulic drive for material lifting is convenient and quick, adapting to the paving of large thickness. Dispensing height can be adjusted up to 200mm to meet the requirements of large thickness and large width.



# High-Power Performance

The standard configuration is Shangchai low-speed high-power supercharged engine (162kW/2000rpm), which has strong power and large power reserve.





# Wider hopper

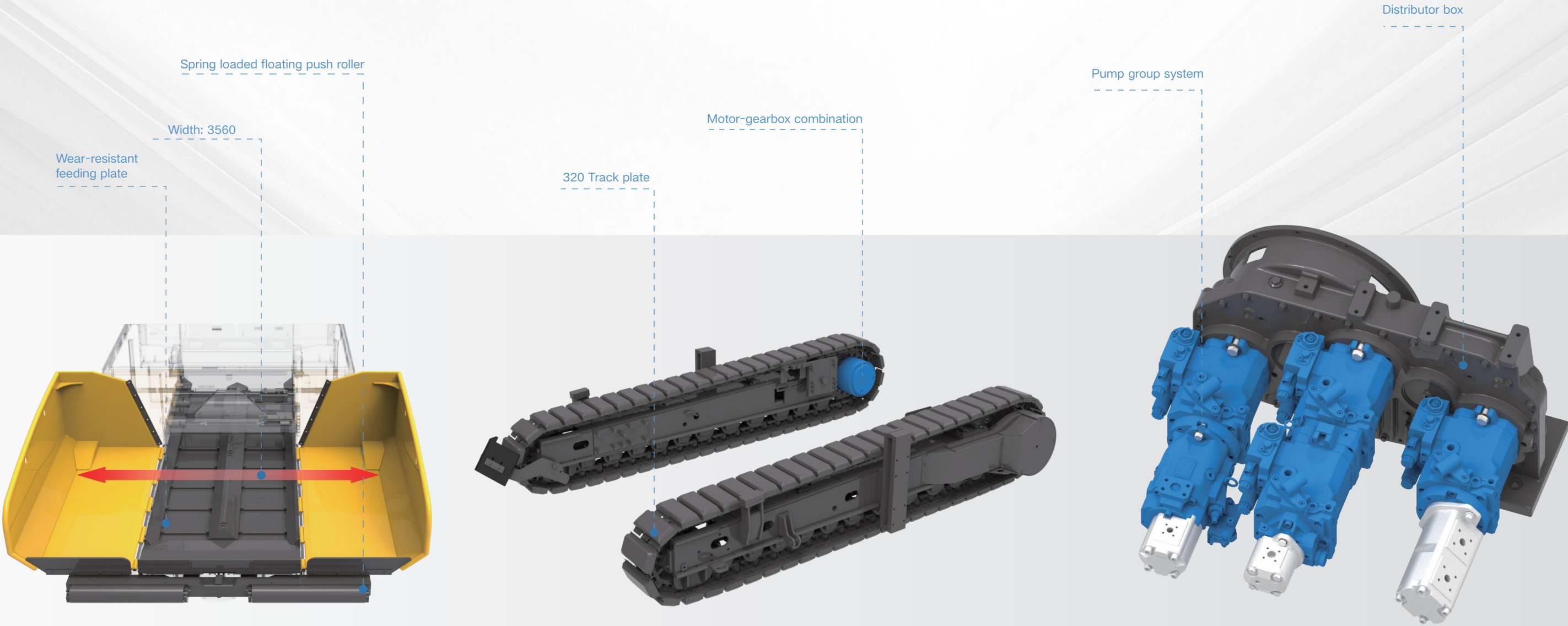
- Hopper width to adapt to different material truck operation.

# Independent and stable traveling system

Three-in-one drive device of motor, reducer and brake has high driving torque and reliable performance;  
Strong traction, high adhesion and smooth construction speed.

# Reliable and stable hydraulic system

Stable and reliable hydraulic system, providing perfect technical guarantee for continuous construction demand.

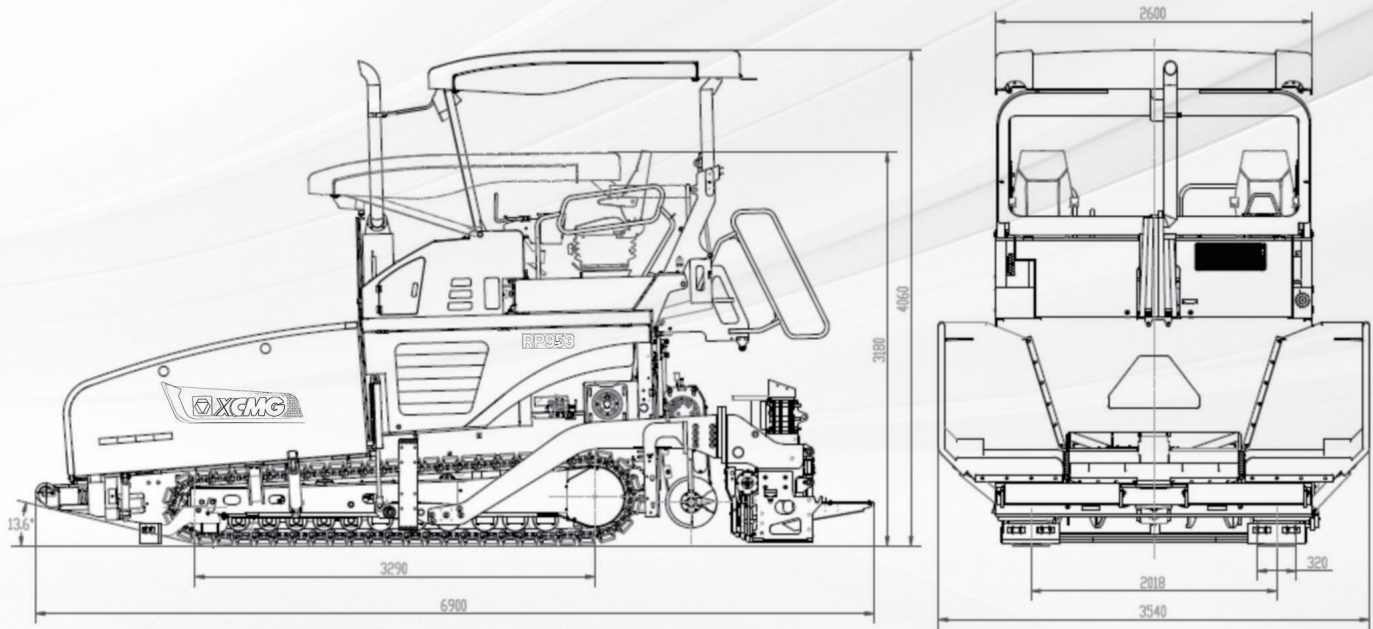


# Main Technical Parameters

| Items                                    | Unit  | Performance parameter                   |
|------------------------------------------|-------|-----------------------------------------|
|                                          |       | M250A                                   |
| Basic paving width                       | m     | 2.5                                     |
| Maximum paving width                     | m     | 10.5                                    |
| Maximum paving thickness                 | mm    | 500                                     |
| Max. Working speed                       | m/min | 18                                      |
| Max. Traveling speed                     | km/h  | 3.0                                     |
| Theoretic productivity                   | t/h   | 900                                     |
| Hopper capacity                          | t     | 15                                      |
| Gradeability                             | %     | ≥20                                     |
| Evenness (Standard difference)**         | mm    | 1.2                                     |
| Lateral gradient error                   | %     | ±0.2                                    |
| Camber adjustment range                  | %     | -1~+4                                   |
| Engine model                             | /     | SC9DK220                                |
| Power of diesel engine                   | kW    | 162                                     |
| Diesel engine speed                      | r/min | 2000                                    |
| Material distribution speed              | r/min | 0~90                                    |
| Material conveyance speed                | m/min | 0~27                                    |
| Tamper speed                             | r/min | 0~1500                                  |
| Tamper amplitude                         | mm    | 5 (Main) 0, 3, 6, 9, and 12 (Auxiliary) |
| Overall dimensions                       | mm    | 6900×2780×4060                          |
| Overall weight                           | t     | 22~31.5                                 |
| Diesel tank capacity                     | L     | 300                                     |
| Hydraulic oil tank capacity              | L     | 300                                     |
| Material conveyance level control mode   | /     | Ultrasonic sensing automatic control    |
| Material distribution level control mode | /     | Ultrasonic sensing automatic control    |
| Automatic leveling control mode          | /     | Analog leveling instrument              |

The evenness (Standard difference) \*\* doesn't depend on the paver only.

# Appearance And Dimensions





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

XCMG Global Spareparts System

XP305S Pneumatic Tire Roller

XP305SPNEUMATIC-TYRED ROLLER

XP305SPNEUMATIC-TYRED ROLLER

BACK DRUM

FRONT DRUM

GAS-ROUTE SYSTEM

TRANSMISSION SYSTEM

BODY ASSEMBLY

HYDRAULIC SYSTEM

OPERATING SYSTEM

ENGINE SYSTEM

SPRINKLER SYSTEM

DRIVER'S CAB ASSY

CAB ASSEMBLY

CONTROL BOX

CONTROL BOX ELECTRIC

ELECTRIC SYSTEM

SCRAPER SYSTEM

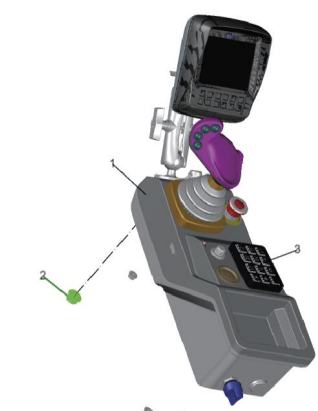
SHIELD FOR DIESEL ENGINE

OIL DRAIN SYSTEM

AC SYSTEM

MOUNTING ASSEMBLY

OIL SPILL SYSTEM



225704540 CONTROL BOX

| Number | Material Encoding | Name                  | Quantity | Handle |
|--------|-------------------|-----------------------|----------|--------|
| 1      | 225704532         | CONTROL BOX STRUCTURE | 1        |        |
| 2      | 895238400         | NUT M8                | 4        |        |
| 3      | 225704541         | CONTROL BOX ELECTRIC  | 1        |        |

XP305S Pneumatic Tire Roller

XP305SPNEUMATIC-TYRED ROLLER

XP305SPNEUMATIC-TYRED ROLLER

BACK DRUM

FRONT DRUM

GAS-ROUTE SYSTEM

TRANSMISSION SYSTEM

BODY ASSEMBLY

HYDRAULIC SYSTEM

OPERATING SYSTEM

ENGINE SYSTEM

SPRINKLER SYSTEM

DRIVER'S CAB ASSY

CAB ASSEMBLY

CONTROL BOX

ELECTRIC SYSTEM

SCRAPER SYSTEM

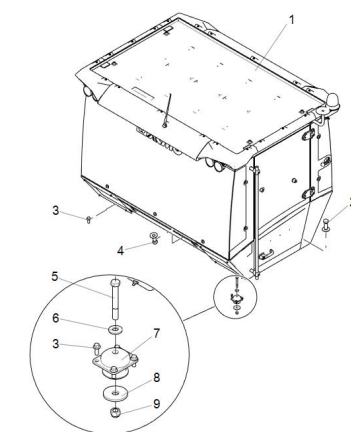
SHIELD FOR DIESEL ENGINE

OIL DRAIN SYSTEM

AC SYSTEM

MOUNTING ASSEMBLY

OIL SPILL SYSTEM



225704748 DRIVER'S CAB ASSY

| Number | Material Encoding | Name            | Quantity | Handle |
|--------|-------------------|-----------------|----------|--------|
| 1      | 225704791         | CAB ASSEMBLY    | 1        |        |
| 2      | 895096280         | BOLT M16*45     | 9        |        |
| 3      | 895094763         | BOLT M10*25     | 16       |        |
| 4      | 895048571         | BOLT M16*30     | 2        |        |
| 5      | 895046668         | BOLT M16*120    | 4        |        |
| 6      | 895391377         | WASHER 16       | 15       |        |
| 7      | 228901569         | SHOCK CABSORBER | 4        |        |
| 8      | 229000495         | BIG FLAT PLATE  | 4        |        |
| 9      | 895238158         | NUT M16         | 4        |        |

HOME PAGE

PRODUCT DEBUGING

PRODUCT MONITOR

serviceSupport

Statistical

RESOURCE MANAGE

AUTHORITY MANAGE

SYSTEM MANAGE

APP MANAGE

APP USER MANAGE

EQP LINK APPROVAL

EQP TRANSFER APPROVAL

REPAIR ORDER

25438

233

390

2907.3

0

0

Number of network equipment

Amount of work yesterday

Amount of work now

Working hours yesterday

Access network today

Number of equipment fault alarms now

Overall OIL

Operating rate

Monthly Distribution of operating rate

Monthly average working hours of main models

Monthly workload of main models

Satellite

Full Screen

Map of Africa and Europe