

# XD105T



# XD105T

VIBRATORY ROLLER

XD105T vibratory roller meets the requirements of high-end customers and special working conditions in Southeast Asia and Central Asia market. It is suitable for asphalt pavement compaction operation, and it can compact various pavements with different materials and thicknesses, which is especially suitable for roads, park-ing lot, airport and other large-scale engineering pave-ment compaction operation.

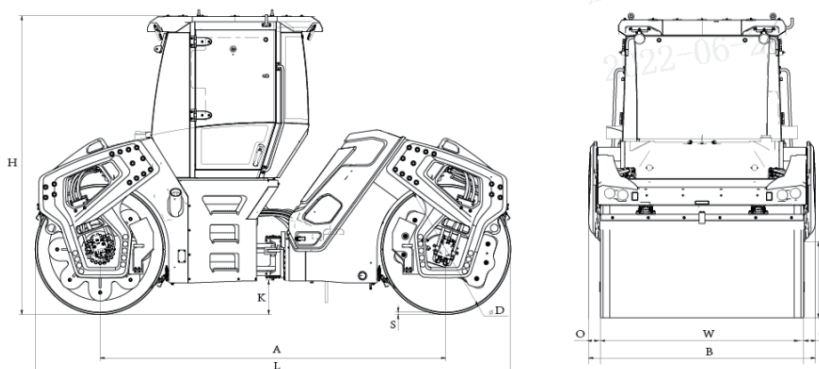
## Performance and characteristics

- Convenient maintenance performance
- The integral design hood tilts forward allowing for a complete view of the engine compartment.
- The parts that need to be maintained and replaced, such as air filter, machine filter, diesel fuel filter, hydraulic oil filter, etc., are all placed in easy-to-access locations;
- The fragile parts are also placed in the position of easy access or can be replaced without disassembling more parts.
- Efficient compaction performance 60 Hz high frequency vibration greatly shortens the operation time;
- 0~12km/h infinitely adjustable speed to meet the needs of different working conditions;
- Dual-frequency and dual-amplitude vibration system, front and rear drum can be vibrated independently.

## Main dimensions

Unit: mm

| Model  | A    | B    | C   | L    | H    | D    | S  | W    | O  | K   |
|--------|------|------|-----|------|------|------|----|------|----|-----|
| XD105T | 3570 | 1860 | 782 | 4790 | 3080 | 1220 | 17 | 1680 | 85 | 290 |



## Main specifications

| Item                         | Content                                | Unit  | XD105T                  |
|------------------------------|----------------------------------------|-------|-------------------------|
| <b>Weights</b>               | Operating Weight                       | kg    | 10000                   |
|                              | Front Axle Weight                      | kg    | 5000                    |
|                              | Rear Axle Weight                       | kg    | 5000                    |
|                              | Static Linear Load                     | N/cm  | 292/292                 |
| <b>Maneuverability</b>       | Operating Speed                        | km/h  | 0-12                    |
|                              | Theoretical gradeability               | %     | 35                      |
|                              | Minimum Turning Radius(inside/outside) | mm    | 5606/7286               |
|                              | Minimum Ground Clearance               | mm    | 290                     |
|                              | Wheelbase                              | mm    | 3570                    |
|                              | Steering Angle                         | °     | +31                     |
|                              | Oscillation Angle                      | °     | ±8                      |
|                              | Braking Distance                       | m     | ≤4.36                   |
| <b>Compaction Parameters</b> | Vibrational Frequency                  | Hz    | 60/55                   |
|                              | Nominal Amplitude                      | mm    | 0.45/0.8                |
|                              | Centrifugal Force (High/Low)           | kN    | 110/101                 |
|                              | Drum Diameter                          | mm    | 1220                    |
|                              | Working Width                          | mm    | 1680                    |
| <b>Engine</b>                | Model                                  |       | 4BTAA3.9                |
|                              | Rated power                            | kW    | 82                      |
|                              | Rated speed                            | r/min | 2200                    |
|                              |                                        |       |                         |
| <b>Others</b>                | Drive Type                             |       | Hydrostatic closed type |
|                              | Vibration Type                         |       | Hydrostatic closed type |
|                              | Service Brake                          |       | Hydraulic               |
|                              | Parking Brake                          |       | Mechanical/Hydraulic    |
|                              | Secondary Brake                        |       | Mechanical/Hydraulic    |
|                              | Steering Mode                          |       | Articulated             |
|                              | Steering Control                       |       | Hydraulic               |

### Notes:

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