

# XS143/XS143PD



# XS143/XS143PD

Single Drum Vibratory Roller

XS143/XS143PD is a kind of medium vibratory roller, mainly applicable for compacting operation of base layer, sub-base layer of different materials, and filling engineering. It is an ideal choice for constructing high grade highway, airport, port, dam and industrial construction sites. This machine adopts the high power Dongfeng Cummins engine, XCMG special drive axle for road roller and its hydraulic drive system can better meet the construction requirements of all regions.



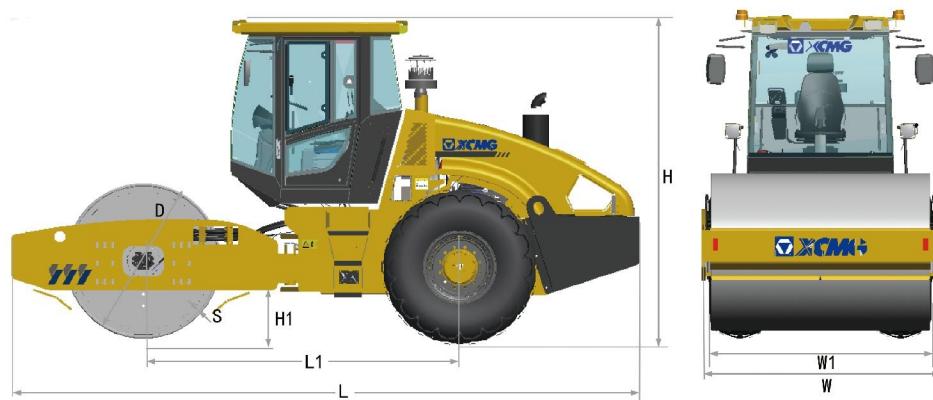
## Performance and characteristics

- KFR Air conditioner improves operation comfort.
- Cylinder-type four-support long-life drum, exclusive drum surface hardening processing, 10,000 hours lifetime expected under standard working conditions.
- Centered static and dynamic forces for state-of-the-art compaction homogeneity — less than 5%.
- The infinitely variable speeds function guarantees optimum work speeds under diversified working conditions.

## Main dimensions

Unit: mm

| Model   | L    | L1   | W    | W1   | H    | H1  | S  | D    |
|---------|------|------|------|------|------|-----|----|------|
| XS143   | 6200 | 3098 | 2300 | 2130 | 3200 | 425 | 30 | 1523 |
| XS143PD | 6200 | 3098 | 2300 | 2130 | 3200 | 544 | 30 | 1523 |



## Main specifications

| Item            | Content                               | Unit  | XS143/XS143PD   |
|-----------------|---------------------------------------|-------|-----------------|
| Weights         | Operating weight                      | kg    | 14000/15000     |
|                 | Maximum operating weight              | kg    | 14000/15000     |
|                 | Front axle weight                     | kg    | 8000/9000       |
|                 | Rear axle weight                      | kg    | 6000            |
|                 | Static linear load                    | N/cm  | 368/*           |
| Maneuverability | Working speed(F/R)                    | km/h  | 0~5.3/0~10.8    |
|                 | Gradeability                          | %     | 40              |
|                 | Minimum turning radius(outer)         | mm    | 6415            |
|                 | Minimum ground clearance              | mm    | 425             |
|                 | Wheel base                            | mm    | 3100            |
|                 | Steering angle                        | °     | ±33             |
|                 | Oscillation angle                     | °     | ±10             |
| Compaction      | Vibration frequency                   | Hz    | 30              |
|                 | Nominal amplitude                     | mm    | 1.86/0.88       |
|                 | Excitation force (high/low frequency) | kN    | 305/150         |
|                 | Drum diameter                         | mm    | 1523/1723       |
|                 | Drum width                            | mm    | 2130            |
| Engine          | Model                                 | -     | 6BTAA5.9-C170   |
|                 | Emission                              | -     | China stage II  |
|                 | Rated power                           | kW    | 125             |
|                 | Rated speed                           | r/min | 2200            |
| Tire            | Spec.                                 | -     | 23.1-26-12G23TL |
|                 | Ply rating                            | -     | 12              |
|                 | Air pressure                          | kPa   | 200             |
| Capacities      | Fuel tank                             | L     | 240             |
|                 | Urea tank                             | L     | /               |