

# CV123U/CV123PDU



## CV123U/CV123PDU

Single Drum Vibratory Roller

CV123U/CV123PDU is a kind of medium-sized, self-propelled, single drum, full hydraulic vibratory roller special designed for North America market. This product fulfills the requirements of the US Tier4F emission standards. Featuring high excitation force, high compaction efficiency and good compaction quality, it is widely used in compaction work on base layer, sub-base layer and rock fill for roads, railways, airports, harbors, dams and industrial construction sites.



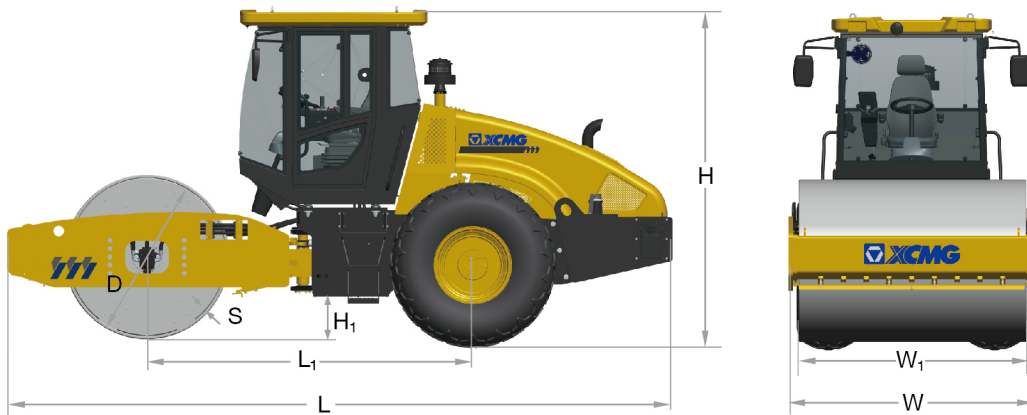
## Performance and characteristics

- Perfect combination of high climbing ability and anti-skid technology, leading industry in adaptability to extreme working conditions.
- Cylinder-type four-support long-life drum, unparalleled 10,000 hours lifetime expected under standard working conditions.
- Easy viewing LCD display and sound-light alarm on dashboard provides timely service information reminder;
- The infinitely variable speeds function guarantees optimum work speeds under diversified working conditions.
- Air conditioner with cooling/heating function ensures optimal cabin temperature;

## Main dimensions

Unit: mm

| Model    | L    | L1   | W    | W1   | H    | H1  | S  | D    |
|----------|------|------|------|------|------|-----|----|------|
| CV123U   | 6150 | 3010 | 2300 | 2130 | 3150 | 393 | 30 | 1523 |
| CV123PDU | 6150 | 3010 | 2300 | 2130 | 3250 | 443 | 30 | 1523 |



## Main specifications

| Item                   | Content                       | Unit  | CV123U/CV123PDU                |
|------------------------|-------------------------------|-------|--------------------------------|
| <b>Weights</b>         | Operating weight              | kg    | 12400/13250/13700              |
|                        | Maximum operating weight      | kg    | 12400/13250/13700              |
|                        | Front axle weight             | kg    | 6700/7550/8000                 |
|                        | Rear axle weight              | kg    | 5700                           |
|                        | Static linear load            | N/cm  | 308/-                          |
| <b>Maneuverability</b> | Working speed(F/R)            | km/h  | 0~11.2                         |
|                        | Gradeability                  | %     | 45                             |
|                        | Minimum turning radius(outer) | mm    | 6800                           |
|                        | Minimum ground clearance      | mm    | 393/443                        |
|                        | Wheel base                    | mm    | 3010                           |
|                        | Steering angle                | °     | ±30                            |
|                        | Oscillation angle             | °     | ±10                            |
| <b>Compaction</b>      | Vibration frequency           | Hz    | 30/35                          |
|                        | Nominal amplitude             | mm    | 1.8/0.9; 1.6/0.8               |
|                        | Excitation force              | kN    | 280/190                        |
|                        | Drum diameter                 | mm    | 1523/1723                      |
|                        | Drum width                    | mm    | 2130                           |
| <b>Engine</b>          | Model                         | -     | QSF3.8                         |
|                        | Emission                      | -     | T4F                            |
|                        | Rated power                   | kW    | 97                             |
|                        | Rated speed                   | r/min | 2200                           |
| <b>Tire</b>            | Spec.                         | -     | 23.1-26-12G23TL/23.1-26-12R1TL |
|                        | Ply rating                    | -     | 12                             |
|                        | Air pressure                  | kPa   | 200/170                        |
| <b>Capacities</b>      | Fuel tank                     | L     | 230                            |
|                        | Urea tank                     | L     | 18.9                           |