

# XS115PDG



# XS115PDG

**Vibratory Roller**

XS115PDG single drum vibratory roller is a double pump driven heavy duty, self-propelled, single drum, full hydraulic double drive single drum vibratory roller. The product meets the drain requirements of Stage V in Europe and T4f in North America. It has the characteristics of strong driving capacity, large exciting force, high compaction efficiency, good compaction quality, etc. It is widely used for compaction operation of foundation layer, sub-foundation layer and rock fill in highways, railways, airports, ports, dams and industrial construction sites.



**XCMG ROAD MACHINERY BUSINESS UNIT**

## Performance and characteristics

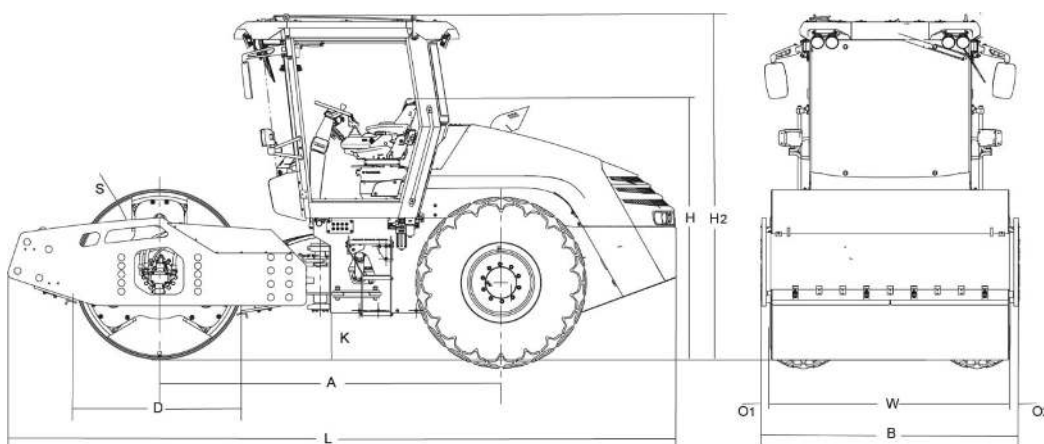
- The machine uses the latest series "5" industrial design with compact structure and aesthetic feature; The whole machine is designed with the best front and rear 1×1m visibility. Fuel oil filter, hydraulic oil filter, oil and water outlet are designed for good accessibility; The reversible cabin, large opening hood and centralized pressure measuring points make the maintenance of the whole machine is more convenient. Options like padfoot drum, herringbone tire, dozer blade,

reversing radar image, rotary beacon etc. provide users with more diversified choices.

- This machine utilizes Cummins electrical control engine, water-cooled, turbocharged with big power reservation, low fuel consumption and noise.
- Closed loop hydraulic drive system with Danfoss piston pump and piston motor and X-ASC control system ensure better drive performance and higher gradeability.

## Main dimensions

| Model    | A    | B    | D    | H    | H2   | K   | L    | O1 | O2 | S  | W    |
|----------|------|------|------|------|------|-----|------|----|----|----|------|
| XS115PDG | 2996 | 2300 | 1723 | 2440 | 3150 | 523 | 5990 | 85 | 85 | 25 | 2130 |



## Main specifications

| Item                  | Content                               | Unit  | XS115PDG(Padfoot segment)                    |
|-----------------------|---------------------------------------|-------|----------------------------------------------|
| Mass parameters       | Operating weight                      | kg    | 13000                                        |
|                       | Front axle weight                     | kg    | 8000                                         |
|                       | Rear axle weight                      | kg    | 5000                                         |
|                       | Static linear load                    | N/cm  | -                                            |
| Driving Parameters    | Working speed                         | km/h  | 0-11.85                                      |
|                       | Theoretical gradeability              | %     | 62%                                          |
|                       | Minimum turning radius(inside)        | mm    | 4220                                         |
|                       | Minimum Ground Clearance              | mm    | 523                                          |
|                       | Wheelbase                             | mm    | 3060                                         |
|                       | Steering angle                        | °     | 35                                           |
|                       | Oscillation angle                     | °     | 10                                           |
|                       | Braking distance                      | m     | 3.9                                          |
| Compaction Parameters | Vibration frequency                   | Hz    | 30/35                                        |
|                       | Nominal amplitude                     | mm    | 1.6/0.8                                      |
|                       | Excitation force (high/low frequency) | kN    | 252/181                                      |
|                       | Drum diameter                         | mm    | 1723                                         |
|                       | Drum width                            | mm    | 2130                                         |
| Hydraulic System      | Charge pressure, drive system         | MPa   | 2.5                                          |
|                       | Peak pressure, drive system           | MPa   | 41                                           |
|                       | Peak pressure, vibration system       | MPa   | 32.5                                         |
|                       | Peak pressure, steering system        | MPa   | 16                                           |
| Engine                | Model                                 | -     | F3.8                                         |
|                       | Type                                  | -     | Turbocharger water-cooled electrical control |
|                       | Rated power                           | kW    | 115                                          |
|                       | Rated speed                           | r/min | 2200                                         |