

# XS125



# XS125

Single Drum Vibratory Roller

XS125 single drum roller is medium, self-propelled, full-hydraulic vibratory roller, featuring big exciting force, high compaction efficiency and good compaction quality. It is used mainly for compaction operation of base coarse, sub-base coarse, stone filling of high-speed railway, high-grade highway, airport, harbor, dams and industrial construction sites. The equipment is suitable for altitude  $\leq 3000$  meters, temperature  $> -10^{\circ}\text{C} \sim +45^{\circ}\text{C}$ .

## Performance and characteristics

- This machine utilizes water-cooled, turbocharged DCEC engine with high margin of power, low fuel consumption and low noise. In compliance with China-II Emission Standards.
- Adopt imported closed-loop hydraulic drive system composed of variable displacement pump and motor to ensure better drive performance and gradeability.
- Closed loop hydraulic system formed by variable pump and quantitative motor.
- Braking system is made up with drive axle, wet type brakes at

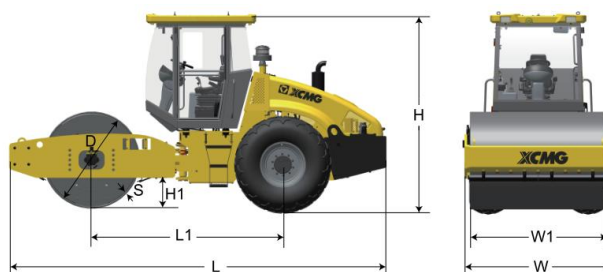
front drum speed reducer, and brake of closed hydraulic system.

- As per the ergonomic principle, the console integrates the parts such as steering wheel, various instruments, and key starter switch to realize both aesthetics and utility and improve operation comfort.
- The well sealed cab installed with ROPS, radio-tape recorder, air conditioner, large glasses and suspended seat delivers a spacious, safe and comfort operation environment with all-around visibility.

## Main dimensions

Unit: mm

| Model | D    | H    | H1  | L    | L1   | S  | W    | W1   |
|-------|------|------|-----|------|------|----|------|------|
| XS125 | 1523 | 3080 | 420 | 6010 | 3060 | 25 | 2300 | 2130 |



## Main specifications

| Item                          | Content                                | Value               |
|-------------------------------|----------------------------------------|---------------------|
| <b>Weights</b>                | Operating weight                       | 12600 kg            |
|                               | Front Axle Weight                      | 7000 kg             |
|                               | Rear Axle Weight                       | 5600 kg             |
|                               | Static linear load                     | 329 N/cm            |
| <b>Maneuverability</b>        | Operating speed                        | 5.2/6.2/8.2/11 km/h |
|                               | Theoretical gradeability               | 53%                 |
|                               | Minimum turning radius(inside/outside) | 4220/6350mm         |
|                               | Minimum ground clearance               | 442 mm              |
|                               | Wheelbase                              | 3060mm              |
|                               | Steering Angle                         | ±35°                |
|                               | Oscillation Angle                      | ±10°                |
|                               | Braking distance                       | 3.9m                |
| <b>Compaction Performance</b> | Vibrational Frequency                  | 30/35Hz             |
|                               | Nominal amplitude                      | 2.0/1.0mm           |
|                               | Centrifugal force (high/low)           | 252/181kN           |
|                               | Drum diameter                          | 1523mm              |
|                               | Working width                          | 2130mm              |
| <b>Hydraulic System</b>       | Charging pressure, drive system        | 2.4MPa              |
|                               | Peak pressure, drive system            | 42.5 MPa            |
|                               | Peak pressure, vibration system        | 38MPa               |
|                               | Peak pressure, steering system         | 16MPa               |
| <b>Engine</b>                 | Model                                  | 4BTA3.9-C125        |
|                               | Type                                   | Water-cooling       |
|                               | Rated power                            | 93kW                |
|                               | Rated speed                            | 2200r/min           |

### Notes:

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



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