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XD133

Roller



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XD133

ROLLER

Overview

- XD133 vibrating roller is specially designed to compact asphalt pavement and all layers made of different materials and with different thicknesses. This roller is particularly applicable to pavement compaction of road, parking lot, airport and other large-scale projects and can also be used to compact sub-grade and sub-layer materials with a wide range of application.
- XD133 vibrating roller adopts the internationally most advanced intelligent control system, which is based on CAN-BUS communication technology; under compaction conditions, it can optimize its starting acceleration and stopping deceleration, so acceleration and deceleration time is longer than normal running time to avoid displacement of materials, improve pavement evenness and reduce cracks. Besides, XD133 vibrating roller is also provided with the thermal dissipation system, auto-throttle and other energy saving and emission reduction functions.

Laws and Regulations, Safety Standards and Product Standards Executed by Product

Parameters and Design Theory Basis of Complete Roller

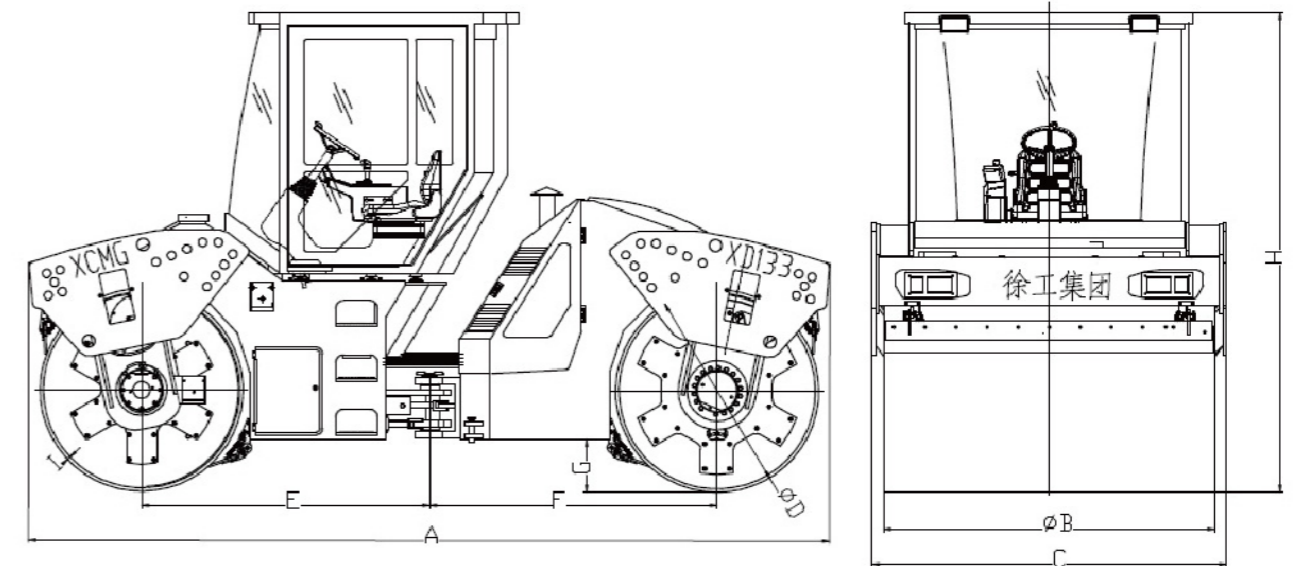
- The parameters of the complete roller are concrete manifestation of main performance, and determine key indicators of the vibrating roller, such as compaction performance, dynamic performance, maneuvering performance, etc. XCMG proposes a perfect design theory system of vibrating rollers by integrating many years of experience in design, manufacturing and services according to relevant international and domestic standards. XD133 model is designed according to this theory system and mainly described as follows:

Main Technical Parameters

Table for Technical Parameters of XD133 Vibrating Roller

| Item | XD133 | Item | XD133 |
|--|-----------|--|---|
| Mass distribution | | Compaction Performance | |
| Maximum operating mass | 13200 | Speed range (km/h) | 0-6, 0-8, 0-12 |
| Distribution mass of front wheel (kg) | 6600 | Theoretical gradeability (%) | 35 |
| Distribution mass of rear wheel (kg) | 6600 | Minimum turning radius mm (inside/outside) | 4470/6600 |
| Compaction | | Swing angle | ±8° |
| Static linear load (N/cm) | 305/305 | Steering angle | ±35° |
| Nominal amplitude (mm) | 0.3/0.8 | Engine | |
| Vibration frequency (Hz) | 67/50 | Model | DEUTZ BF4M1013-15T3R/2 |
| Exciting force (high/low frequency) (kN) | 110/170 | Type | In-line, four-cylinder, supercharged, water-cooled type |
| Size of vibrating drum (mm) | 1300×2130 | Rated power (kW) | 111 |
| | | Rated speed (r/min) | 2100 |

Appearance and External Dimension



| Shipping Dimensions(mm) | A | B | C | D | E | F | G | H | I |
|-------------------------|------|------|------|------|------|------|-----|------|----|
| XD133 | 5146 | 2130 | 2298 | 1300 | 1850 | 1850 | 310 | 3096 | 18 |