



Semi Automatic Road Construction Machinery with 2800-5500vpn Vibrating Frequency, 800mm Drum Diameter, and 30kw Motor Power for Highway Construction

Basic Information



Product Specification

- Working Width: 2 - 6 Meters
- Cutting Depth: 0-208mm
- Speed: 60-135 Rpm
- Working Speed: 4m-20m/min
- Motor Power: 30kw
- Model: YM330/YM400/YM630
- Engine Type: Air-cooled 4-cycle Gasoline
- Material: Steel And High-strength Alloys
- Highlight: **2800-5500vpn Vibrating Frequency Road Construction Machinery**
,
800mm Drum Diameter Road Surface Preparation Equipment
,
30kw Motor Power Highway Construction

Product Description:

The Road Construction Machinery series, including models YM330, YM400, and YM630, represents the pinnacle of innovation and efficiency in the field of highway construction machines. Designed specifically for demanding roadway construction heavy equipment applications, these machines are engineered to deliver exceptional performance, reliability, and durability. Whether you are involved in building new highways or maintaining existing roadways, this product line offers the advanced features and robust capabilities necessary to meet the rigorous demands of modern infrastructure projects.

One of the standout features of this Road Construction Machinery is its impressive drum diameter of 800mm. This substantial drum size plays a crucial role in ensuring thorough and consistent compaction, which is vital for creating stable and long-lasting road surfaces. The large drum diameter enables the machinery to cover a wider area in each pass, significantly increasing operational efficiency and reducing the time required for project completion. This makes it an ideal choice for large-scale highway construction projects where speed and precision are paramount.

The models YM330, YM400, and YM630 are equipped with cutting-edge technology that emphasizes high drilling efficiency. This feature is particularly beneficial in applications where soil stabilization and compaction are critical, as it allows for deeper and more effective penetration into the ground. High drilling efficiency ensures that the machinery can handle a variety of soil types and conditions, making it versatile and adaptable to diverse construction environments. This adaptability is essential for highway construction machines tasked with operating across different geographical regions and soil compositions.

In addition to its mechanical advantages, the Road Construction Machinery boasts a vibrating frequency range of 2800-5500 vibrations per minute (vpn). This wide range allows operators to adjust the vibration intensity based on the specific requirements of the project, optimizing compaction results and enhancing the quality of the finished roadway. The ability to modulate vibrating frequency is a key advantage in roadway construction heavy equipment, as it ensures maximum soil density and reduces the risk of future road surface failures.

Speed is another critical performance metric for these machines. With an operational speed range of 60 to 135 revolutions per minute (Rpm), the machinery strikes a perfect balance between power and control. This speed range facilitates efficient compaction without compromising the stability and safety of the operation. The controlled speed also helps in minimizing wear and tear on the equipment, thereby extending its service life and reducing maintenance costs. For highway construction machines, this translates into lower downtime and higher productivity on the job site.

Beyond its technical specifications, the Road Construction Machinery series is designed with the operator's comfort and ease of use in mind. Ergonomic controls, intuitive interfaces, and robust safety features ensure that operators can work efficiently and safely even during long shifts under challenging conditions. The combination of advanced technology and thoughtful design makes these machines indispensable tools in the arsenal of any construction company focused on roadway development and maintenance.

In summary, the YM330, YM400, and YM630 models of Road Construction Machinery provide a comprehensive solution for highway construction machines and roadway construction heavy equipment needs. Their impressive 800mm drum diameter, high drilling efficiency, adjustable vibrating frequency of 2800-5500 vpn, and operational speeds ranging from 60 to 135 Rpm collectively contribute to superior compaction performance and operational efficiency. These attributes make the machinery highly suitable for a wide range of highway construction projects, ensuring durable road surfaces and optimized construction timelines. Investing in this advanced machinery means empowering your construction operations with the reliability and effectiveness required to tackle today's infrastructure challenges with confidence and precision.

Features:

Product Name: Road Construction Machinery

Depth Adjustment: Handle Rotation for precise control

Cutting Depth: Adjustable from 0 to 208mm

Vibrating Frequency: 2800-5500vpn for efficient operation

Model Options: YM330, YM400, YM630

Material: Constructed with Steel and High-strength Alloys for durability

Ideal for Civil Engineering Road Machinery applications

Designed as Roadway Construction Heavy Equipment

Effective Road Surface Preparation Equipment

Technical Parameters:

Model	YM330/YM400/YM630
Depth Adjustment	Handle Rotation
Vibrating Frequency	2800-5500vpn
Working Speed	4m-20m/min
Feature	High Drilling Efficiency
Laser Emission System	Topcon Japan/Leica Switzerland
Cutting Depth	0-208mm
Rotary Speed	2100 Rpm
Drum Diameter	800mm

Motor Power	30kw
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Applications:

The YM330, YM400, and YM630 models represent a cutting-edge series of road construction machinery designed to meet the demanding needs of modern infrastructure projects. These semi-automatic machines are ideal for various highway construction machines applications, offering reliable performance and efficiency. Their versatile functionality makes them indispensable in the field of civil engineering road machinery, where precision and durability are paramount.

One of the primary application occasions for these models is in highway construction projects. Whether constructing new highways or maintaining existing ones, the YM330, YM400, and YM630 provide exceptional support in road surface preparation equipment tasks. Their vibrating frequency ranges from 2800 to 5500 vibrations per minute (vpm), ensuring thorough compaction and surface leveling. This capability is critical when preparing the foundation layers of roads to achieve optimal strength and longevity.

The semi-automatic grade of these machines allows operators to maintain control while benefiting from automated features that enhance productivity and reduce fatigue. The working speed, adjustable between 4 meters and 20 meters per minute, offers flexibility to adapt to different project requirements, whether it is a small-scale urban road or a large highway stretch. Additionally, the speed range of 60 to 135 revolutions per minute (rpm) ensures efficient operation across various soil types and construction conditions.

In civil engineering projects beyond highways, these road construction machines can be effectively used for road surface preparation equipment, such as compacting subgrades, asphalt layers, and other base materials. Their robust design and reliable performance make them suitable for challenging terrains and diverse environmental conditions, contributing to faster project completion and higher quality results.

Overall, the YM330, YM400, and YM630 models are essential tools in the arsenal of highway construction machines and civil engineering road machinery. Their combination of semi-automatic operation, variable vibrating frequency, and adaptable working speeds make them perfect for a wide range of road construction and maintenance scenarios. From initial groundwork to final surface preparation, these machines ensure that every project is executed with precision, efficiency, and reliability.

Customization:

Our Road Construction Machinery offers comprehensive product customization services tailored to meet the specific needs of your projects. Crafted from high-quality steel and high-strength alloys, this equipment ensures durability and long-lasting performance in demanding conditions. With a drum diameter of 800mm and an adjustable working width ranging from 2 to 6 meters, our machinery provides exceptional versatility for various road surface preparation tasks.

Equipped with a powerful 30kw motor and capable of a rotary speed of 2100 rpm, this machine delivers efficient and consistent operation, making it ideal for use as road surface preparation equipment. Whether you are involved in highway construction machines or asphalt paving machinery, our customizable solutions can be adapted to optimize productivity and meet your specific project requirements.

Choose our Road Construction Machinery for reliable, high-performance equipment that can be tailored to enhance your highway construction and asphalt paving processes.

Support and Services:

Our Road Construction Machinery product line is supported by a comprehensive range of technical support and services to ensure optimal performance and longevity. We offer expert installation guidance, routine maintenance schedules, and troubleshooting assistance to keep your machinery operating efficiently. Our team of skilled technicians provides on-site support and remote diagnostics to quickly resolve any issues that may arise. Additionally, we supply genuine spare parts and offer training programs for operators and maintenance personnel to maximize equipment productivity and safety. Regular software updates and performance optimization services are also available to enhance the capabilities of your road construction machinery.



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