

P330 Gear Pump

In the lifeblood of modern industry—hydraulic transmission—the reliability and efficiency of every component directly impacts the operational performance of the entire system. Runhe Hydraulic Technology Co., Ltd. remains committed to innovation and application in hydraulic technology, crafting the [P330 gear pump](#) as a premium product that balances performance and durability. This product inherits the design essence of classic gear pumps while incorporating meticulous modern manufacturing techniques, aiming to provide stable and efficient hydraulic power support for various industrial equipment.

Since its establishment, Runhe Hydraulic Technology Co., Ltd. has focused on technological R&D and product innovation in the field of hydraulic transmission. The company operates a modern production facility and maintains a professional R&D team, equipped with advanced precision machining equipment and testing instruments. A comprehensive quality management system is implemented from raw material selection to finished product shipment. Leveraging deep expertise in hydraulic technology and keen market insight, Runhe Hydraulic's products serve numerous industries and have earned widespread customer recognition.

As one of Runhe Hydraulic's mature products, the [P330 gear pump](#) demonstrates the company's professional expertise in gear pump design and manufacturing. Featuring an external gear design and a high-strength cast iron pump body, this pump ensures structural robustness. Its straight-tooth gears and standard tooth profile design facilitate smooth flow output with minimal pulsation. This classic, stable structure enables the P330 gear pump to adapt to complex operating environments.

In terms of performance, the P330 gear pump offers a displacement range from 16.1 ml/rev to 64.6 ml/rev, meeting diverse flow requirements across various equipment. It operates at a maximum rated pressure of 245 bar and maintains stable performance within a speed range of 400 to 3000 rpm. These characteristics make it particularly suitable for hydraulic systems in construction machinery such as dump trucks. To ensure durability under high-pressure conditions, critical components of the P330 gear pump are crafted from premium alloy steel and undergo precise carburizing, quenching, and grinding processes, significantly enhancing wear resistance and service life.

Runhe Hydraulic understands that an outstanding gear pump requires not only robust performance but also excellent overall characteristics. The P330 gear pump prioritizes low-noise and low-pulsation operation in its design. Through optimized tooth profiles and precision machining, it minimizes vibration and noise during operation, contributing to a better equipment operating environment. Its compact structural design also facilitates installation and layout within equipment, offering convenience for overall machine configuration.

The P330 gear pump exhibits broad adaptability to working fluid viscosity, smoothly conveying media such as hydraulic oil and lubricating oil. Its seals can be made from fluorocarbon rubber (FKM), offering excellent oil resistance, high-temperature tolerance, and anti-aging properties, ensuring reliable sealing across a wide temperature range.

In application fields, Runhe Hydraulic's P330 gear pump has become the preferred component for many equipment manufacturers due to its reliable performance. It is suitable not only for dump trucks but also widely applicable in construction machinery, mining equipment, agricultural machinery, and numerous other sectors. Its mature technology and substantial market presence translate to a well-established supply chain for components and an extensive after-sales service

network, ensuring users receive timely technical support and maintenance assurance during operation.

Runhe Hydraulic consistently prioritizes customer-centricity, offering not only standardized premium products but also customized gear pump solutions tailored to specific client requirements. The company's technical service team delivers comprehensive support—from selection consultation and installation guidance to maintenance—ensuring customers achieve optimal performance. Runhe Hydraulic will continue refining products like the P330 gear pump, enhancing reliability and environmental adaptability. We are confident that this pump, embodying Runhe Hydraulic's craftsmanship and technological expertise, will serve as a dependable power source for your equipment with its stable performance.

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