



4TN86DHT-XNYEM Engine

IMAGE SOURCE: Yanmar America Corporation

Yanmar Introduces 59-Horsepower Turbocharged 4TN86DHT Engine for Industrial Equipment Applications

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- Yanmar America Corporation has launched the 4TN86DHT engine series, featuring three models for diverse industrial equipment applications.
- The 4TN86DHT series includes the base 4TN86DHT-XNYEM model and optional power pack models 4TN86DHT-XNYEM-PIH-P and 4TN86DHT-XNYEM-PIH-S.
- These 4-cylinder, 2.09-liter engines deliver 59 horsepower and maintain fuel efficiency at 3.37 gallons per hour.
- The engines incorporate Final Tier 4 and EU Stage V emission control technology, ensuring compliance without sacrificing performance.

- Additional models with power packs feature pusher and puller fans to improve cooling efficiency based on equipment design and application.
- Yanmar offers engineering services to customize the 4TN86DHT engines according to OEM requirements and product vision.

The compact turbo engine combines proven Yanmar reliability with maximum power and torque

Yanmar America Corporation today announced the launch of its innovative 4TN86DHT engine series, featuring three models designed to meet diverse industrial equipment application requirements. The new lineup includes the base 4TN86DHT-XNYEM model, alongside optional power pack models, such as the 4TN86DHT-XNYEM-PIH-P and the 4TN86DHT-XNYEM-PIH-S.

The 4TN86DHT series features robust 4-cylinder, 2.09-liter (127 cubic inch) displacement engines, delivering an impressive 59 horsepower (44.0 kW) output while maintaining exceptional fuel efficiency at 3.37 gallons per hour (12.8 liters/hour). Operating at a rated speed of 2,500 RPM, the engines utilize turbocharged and intercooled aspiration, combined with common-rail direct-injection fuel delivery, for optimal performance across a wide range of operating conditions.

Built on Yanmar's proven TNV design foundation, these engines incorporate advanced Final Tier 4 and EU Stage V emission control technology without compromising the reliability and torque that has made Yanmar a trusted name in the industry.

"The 4TN86DHT represents our commitment to delivering sustainable solutions that meet tomorrow's environmental standards today," said Frank Johnson, Division Manager, Industrial Engines Division. "We've proven that operators don't have to sacrifice performance for compliance. Through advanced vibration reduction and high-strength construction, these engines handle demanding applications while our combustion technology delivers better fuel control, reduced emissions, and improved efficiency to help meet our customers' needs."

The additional models with power packs include the 4TN86DHT-XNYEM-PIH-P with a pusher fan and a 4TN86DHT-XNYEM-PIH-S with a puller fan. A puller or pusher fan combined with the diesel engine helps improve cooling efficiency. Puller fans benefit from equipment running at lower speeds and higher temperatures, while pusher fans are more effective at higher speeds. These models are available for different

equipment designs depending on the application.

As with all Yanmar engines, industrial equipment manufacturers who choose the 4TN86DHT benefit from Yanmar's engineering services which will collaborate to customize engines according to the specific machinery requirements and product vision of the original equipment manufacturer (OEM).

Source: Yanmar America Corporation

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