



FOR IMMEDIATE RELEASE

Fairbanks Morse Unveils New Trident OP Engine with Best-in-Class Fuel Efficiency

Opposed piston technology reduces total cost of ownership when compared to leading medium and high-speed engines used in prime power applications

LAS VEGAS, Nev. – December 5, 2017 – Fairbanks Morse - an EnPro Industries company (NYSE: NPO) and leading provider of solutions that are powering the world forward - announced today its new Trident OP™ 3.8 MW opposed piston diesel engine that boasts 50 percent fuel efficiency, which is best-in-class when compared to leading medium speed engines. The cost savings from fuel efficiency and increased reliability from 30 percent fewer moving parts equate to a lower total lifecycle cost when comparing Trident OP against other high or medium speed engines for prime power applications.

Affordable reliability is of critical importance for base load power generation. The Trident OP bypasses minor overhauls that other high or medium speed engines require around 20,000 hours and can run for 40,000 hours until the first major servicing. Additionally, the engine has embedded smart sensors and controls that communicate in real-time to the Fairbanks Morse PoweReliability™ platform – a cloud-enabled, condition-based monitoring solution also launched today that is allowing the company to offer first-of-its-kind fuel consumption and reliability guarantees for prime power customers.

“The Trident OP has been designed from the ground up and leverages Fairbanks Morse’s 85 years of experience designing and manufacturing the only medium-speed, opposed-piston engines available in the world,” said Marvin Riley, Fairbanks Morse President. “Known for their fuel efficiency and reliability, our opposed piston engines have been trusted in distributed,

baseload power for decades. Today we are excited to announce a new, proud chapter in our history of ingenuity and innovation with this breakthrough in fuel efficiency and advanced engine design allowing Fairbanks Morse to deliver power where it is needed most in the world.”

The Trident OP gives significant total lifecycle cost (LCC) savings with far lower lifetime fuel expenses, lower total part count, and fewer moving parts when compared to conventional engines. Counter-rotating crankshafts and counter-reciprocating piston assemblies inherently balance the Trident OP, resulting in lower vibrations and greater reliability. Advanced engineering design and selective catalytic reduction (SCR) help the 60 Hz model of the engine achieve an EPA Tier 4F emissions rating and can be adjusted to meet even the most stringent emissions standards. Withstanding challenging operating and environmental conditions with ease, this cost-effective solution delivers high performance with lower overall costs, making the Trident OP ideally suited for modern power applications by maintaining maximum uptime.

“The Trident OP has lower total life cycle cost for most scenarios where a significant amount of fuel is expected to be consumed,” said Mark Kuhn, vice president at global engineering and environmental consultancy Ricardo. “For example, in a typical continuous power generation scenario with an annual uptime of 8,500 hours, the lower operating cost of the Trident OP engine pays off in less than 2 years. Even with reduced annual operational time down to 1,300 hours, the Trident OP engine is still less expensive to own and operate than a conventional high-speed engine.”

In conjunction with the Trident OP announcement, Fairbanks Morse also launched its new PoweReliability-as-a-Service platform today at the POWER-GEN International conference in Las Vegas. Backed by fuel efficiency and reliability guarantees that are monitored in the cloud-based platform, PoweReliability-as-a-Service reduces risk and operating expenses for end users who want to generate their own power - whether remote, off grid, or grid-tied. In a 10-megawatt power plant configuration, Fairbanks Morse projects \$35 million in savings to be achieved in fuel consumption and increased reliability.

Learn how Ricardo calculated the total cost of ownership by [downloading their whitepaper](#) or get technical specifications about the Trident OP at TridentOP.com.

About Fairbanks Morse Engine

For over 125 years, Fairbanks Morse has been powering the world forward with innovative distributed power generation solutions that deliver optimal performance in a wide range of applications from base load and standby in municipal, nuclear, and institutional facilities to locomotive engines, and naval and commercial-class ship propulsion and shipboard power. Reliable and dependable, their flagship Opposed Piston (OP) engine technology has been trusted for decades and has totaled over 100 million operating hours – many units with over 40 years of service. Learn more about how Fairbanks Morse is committed to delivering power where it is needed most in the world by visiting www.fairbanksmorse.com.

About EnPro Industries, Inc. (NYSE:NPO)

EnPro Industries, Inc. is a leader in sealing products, metal polymer and filament wound bearings, components and service for reciprocating compressors, diesel and dual-fuel engines and other engineered products for use in critical applications by industries worldwide. For more information about EnPro, visit www.enproindustries.com.

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