

MARITIME DECARBONISATION, EUROPE

CONFERENCE | AWARDS | EXHIBITION

24-25 September 2024 • Amsterdam



Marine Engine of the Year Award

Recognising an engine that sets new standards in vessel performance, maritime decarbonisation and sustainability.

Anglo Belgian Corp

Evolve 6EL23 engine: multi-fuel, medium-speed engine. Compliant with IMO Tier III and EU Stage V. Designed for various fuels including methanol and hydrogen.

Caterpillar Marine

Caterpillar 3516E Tug Engines. Breakthrough sequential turbocharging. Up to 3MW power, 19% greater power, enhanced low-speed torque and response.

Cummins

Cummins X15 engine with XPI fuel system. Compliant with IMO Tier 2 and EPA Tier 3 emissions standards. Available with PrevenTech Marine integrated digital solution.

MAN Energy Solutions

MAN 51/60DF engine capable of running on various fuels. Over 10 million operational hours with 310 engines in service.

Wärtsilä

The engine achieves a brake thermal efficiency (BTE) of up to 52%, which is a notable improvement over previous models. This high efficiency translates to reduced fuel consumption and lower emissions. It's IMO Tier III compliant in both gas and diesel modes when combined with SCR.

The engine can be seen as setting new benchmarks in efficiency and emissions performance. It features built-in upgradability, allowing for future improvements and adaptations. The dual-fuel capability (LNG/bioLNG and diesel) provides flexibility for transitioning to cleaner fuels.

Its two-stage turbocharging system for higher efficiency and power density across a wide operational range. Modular design simplifies upgradability and modifications for alternative future fuels. Its fully electronic Wärtsilä Common Rail system allows for efficiency and smoke-free operation at all loads.

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WinGD

The WinGD X72DF engine series has been recognised for the following technical attributes:

Dual-Fuel Capability:

The Intelligent Control by Exhaust Recycling (iCER) system which helps reduce fuel consumption and methane slip when the engine is running in gas mode, thereby improving environmental performance and efficiency

Compliance with Emission Standards: The X72DF engines meet IMO Tier III emission requirements in gas mode without needing an external exhaust gas after-treatment system. They also comply in diesel mode when the iCER system is active.

Optional Variable Compression Ratio (VCR) for individually optimised compression ratio settings for both gas and diesel modes. This leads to reduced fuel consumption, lower emissions, and improved performance, while maintaining adaptability for future fuel types. Importantly, VCR does not affect the engine's footprint or installation requirements