Everllence

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Everllence 175D Engines Selected for State-of-the-Art Live Fish Carrier

High-speed engines at heart of battery-hybrid propulsion system optimised for efficiency

Everllence has signed a contract with the Astilleros Zamakona shipyard in Bilbao, Spain to supply 4 × 12V175D-MEV variable-speed Generator Sets (each delivering 2,040kW @ 1800 rpm) for a 5,000-cubic-metre live-fish carrier/well-boat for Norwegian owner, Brønnbåt Nord, the well-boat company based in Harstad, northern Norway. The 86.8-metre battery-hybrid vessel is designed by NSK Ship Design and scheduled for delivery in 2029.

The new vessel is a further development of Brønnbåt Nord's 'Caspian', a 2,800 m^3 well-boat that was delivered in 2024 and that also features an Everllence engine set-up with one 8L27/38 propulsion engine and one 12V175D GenSet.

Ruben Fernandez – Head of High-Speed, Four-Stroke Marine, Everllence – said: "Winning a follow-up order to the 'Caspian' underlines the owner's continued confidence in the performance, reliability and efficiency of the 175D platform. This new vessel has state-of-the-art hybrid-propulsion technology where the 175D variable-speed GenSets have industry-leading fuel-oil and lube-oil consumption values in their power range. Combined with its reliability and high energy-density, the 175D is the perfect fit for demanding fishing and aquaculture applications."

Everllence's scope of supply for the newbuild well-boat also includes permanent-magnet (PM) alternators. With a smaller footprint than standard asynchronous alternators, these combine a compact, lightweight design with high efficiency across a broad operating-speed range that make them particularly well-suited to variable-speed GenSets. Furthermore, they maximise overall system efficiency, thereby reducing fuel consumption.

About Everllence's 175D engine
Everllence developed the 175D engine range to supplement and complete its product portfolio in the maritime sector. In three variants of 12-, 16- and 20-cylinders, the engine is available with an output ranging from 1,440 to 4,400 kW and is optimised for propelling offshore support ships, tugs and sundry working vessels. Other, demanding applications like superyachts and navy also rely on 175D power delivery.

The 175D is an extremely eco-friendly engine and designed to minimise operational costs having been designed from the outset for low fuel-consumption. This is coupled with compliance to the latest exhaust-gas-emission standards while also considering future-fuel requirements where it is already cleared for operation on biofuels such as FAME and HVO.

It is also delivered as methanol-ready for later conversion to methanol operation if required. Additionally, Everllence recently announced the 175DF-M, a high-speed, dual-fuel variant designed to operate on both diesel and methanol from the outset with first customer deliveries planned for 2027.



Rendering of the new live fish carrier currently under construction at Astilleros Zamakona in Spain (courtesy NSK Ship Design)

Everllence is a leading provider of propulsion, decarbonization and efficiency solutions for shipping, the energy economy and industry. True to our motto – 'Moving big things to zero' – we help key industries in the global economy to reduce hard-to-abate emissions. Our technologies have a measurable impact on the success of the global energy transition. Headquartered in Germany, Everllence employs some 15,000 people at over 140 sites globally. Our after-sales brand, Everllence PrimeServ, also supports our customers through its worldwide service-center network.