

REINTJES produces a NEW Stronger, Lighter, Smaller, and modular marine gearbox series

For universal use on board: REINTJES presents the new small gear unit WF series

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New propulsion engines, different fuels, new hybrid drives, individual customer requirements and short delivery times: For marine gear unit manufacturer REINTJES, these are five key innovation drivers in the development of the new WF gear unit series. The WF 370 is the first of nine gear unit series that is now in production. With state-of-the-art design and production methods, the WF 370 marine gear unit is a third lighter than its predecessor and transmits even more torque, despite its more compact dimensions, whilst retaining the REINTJES renowned robust design. REINTJES has designed the WF series as a modular system; the aim behind this is to quickly provide a configurable system solution for outputs up to 1000 kW, especially in consideration of new drive systems.

The new WF series will eventually replace the existing WAF series and can be applied to yachts, tugboats, inland freighters, workboats and fish trawlers: The universally applicable WF series is designed precisely for these types of ships. This new development will accept higher input speeds, so REINTJES is following the trend of higher engine speeds of modern diesel and LNG drives; these require numerically higher gear ratios for the same propeller speeds. This market demand is further driven by the need for slower running, high efficiency propeller designs. There is also a trend towards hybrid drives, which now becomes a simple retrofit solution with the twin PTO (with one PTI) arrangement. When developing the WF series, REINTJES took care to meet these demanding market requirements with a flexibly configurable gear unit program.

Simple standardised gearbox configuration: This results in shorter delivery times and faster availability. The REINTJES configurator system determines what is possible: This saves valuable time in the early phase of a construction project, as reliable statements on availability can be made quickly.

Size matters: The smaller dimensions of the WF series ensure that there is more space in the engine room during installation. This is a real advantage, especially in retrofits – when ships are later to be fitted with a modern hybrid drive. The WF system offers a wide range of combination options, particularly with regard to PTO/PTI solutions.