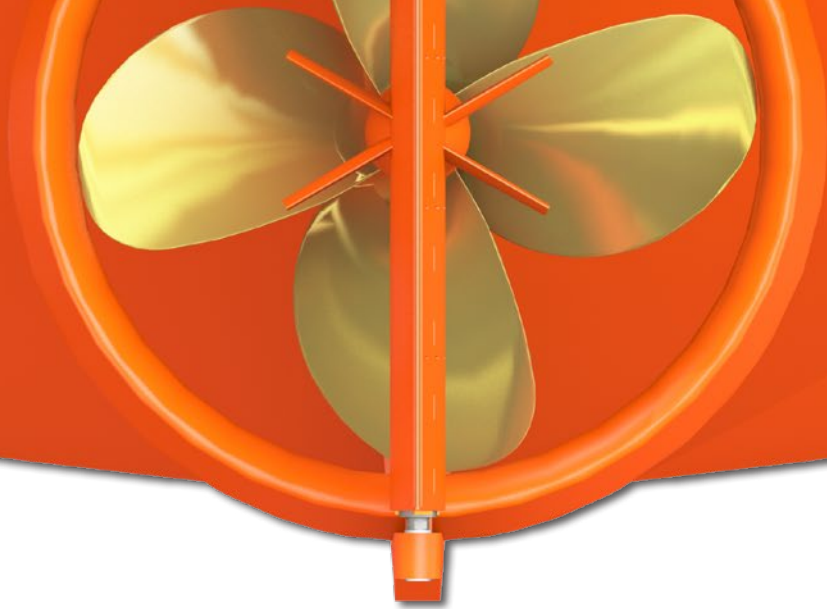


FISHERY PACKAGE

AN UNPARALLELED EFFICIENCY

DAMEN

DAMEN MARINE COMPONENTS



FISHERY PACKAGE

DMC DEVELOPED AN INTEGRATED PROPULSION AND MANOEUVRING PACKAGE FOR THE FISHERY MARKET

The combined products are fitted in a standardised version for fishing vessels up to 40 metres in length. For ships longer than 40 metres, there are several rudder options available. The standard plug & play design includes a propeller nozzle, a full spade rudder with heel support and an integrated headbox for both components. Steering gear and controls are optional.

The rudder has a classical flange connection to the stock, which ensures a mechanically robust design and good maintainability. As opposed to a standard design, the flange is completely covered inside the rudder blade, which leads to improved mechanical protection, less disturbed flow, and reduction of noise and resistance.

The rudder blade is designed as a full spade rudder with heel pintle support,

which leads to a slim rudder profile. Together with the tailor-made profile shape, resistance is lowered and manoeuvrability is increased. The package is suitable for newbuild vessels and retrofits. The package comes with two options:

- The rudder is equipped with thrust fins (post-swirl) and a rudder bulb, which reduce the rotational losses of the propeller.
- The propeller nozzle is equipped with pre-swirl stator fins, which equalise the wake of the hull and improve the inflow towards the propeller.

Ongoing CFD-analyses show possible fuel savings of 5% for the pre-swirl stator configuration and 2.5% for the rudder, fin, bulb configuration. Apart from fuel savings, the thrust in trawling condition is significantly improved

by these measurements. In short, an unparalleled efficiency.

DMC designs and manufactures a range of products for the fishery market, such as Van der Velden® rudder and steering systems, winches, controls and nozzles. See DMC's other brochures for more information.

KEY FEATURES

- Plug & play solution
- Holistic design of all propulsion and manoeuvring components
- The design is optimised towards the operation profile of fishery vessels
- Considerable fuel efficiency
- Excellent manoeuvrability
- Reduced noise and vibrations
- Improved mechanical robustness and maintainability

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