

MAN

EcoOptimizer

MAN PrimeServ

As part of our continuous development and constant strive to improve design, operational performance and economy – our optimized combinator-mode-software is now offered for propulsion solutions with MAN Alpha controllable pitch propellers and Alphatronic control systems.

The total fuel oil consumption is determined by the power required for propelling the ship and the corresponding SFOC of the main engine. Comparing the runs of the optimum propeller and engine curves will reveal that they do not coincide. That is, one curve is optimum for the propeller, and another one for the engine.

Thus, if for each ship speed the required propulsion power and SFOC is calculated along each constant ship speed, the optimum setting of propeller shaft speed and propeller pitch setting can be determined. This is considered when generating the third and final optimized combinator mode curve that will result in minimum fuel oil consumption.

Installing the optimized combinator mode software requires a MAN Energy Solutions superintendent with expert knowledge of the propulsion configuration. If you have maintenance planned in the near future, it would be preferable to order the optimized combinator mode software, and have the service engineer install it when on board already.



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Key benefits

- Order now, install when convenient
- Fuel saving potential
- Overall economy-optimization and operational mode setting considering ship speeds, propeller pitch settings and individual main engine SFOC mapping
- Short payback time
- Performance and consumption display via Alphatronic 3000 and Alphatronic 2000

Scope of supply

- Optimized combinator mode software
- MAN PrimeServ superintendent for installation and testing.

Applicability

Applicable for remote control systems types AT2000 and AT3000 from MAN Energy Solutions

Retrofit & Upgrades

PrimeServ Retrofit, Denmark
RetrofitDK@man-es.com

More information

Would you like to know more about the product, and how our upgrade solutions can improve your propulsion configuration? Then do not hesitate to contact your local MAN PrimeServ office to receive more information about the upgrade!

MAN Energy Solutions

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