

An optional Alphatronic 3000 feature

Propeller
& aft ship
solutions

Speed Pilot



As a result of our continuous development strategy and constant strive to improve designs, functionality and performance – an attractive Speed Pilot is available with our Alphatronic 3000 propulsion control system.

Benefits at a glance

- Fuel saving potentials up to 4%
- Voyage planning – secure ETA
- Constant speed over ground
- Secure optimal operational ship speeds e.g. for pulling, trawling, steaming and convoy sailing
- Ship speeds may be kept constant – also in shaft generator mode with varying electrical loading.

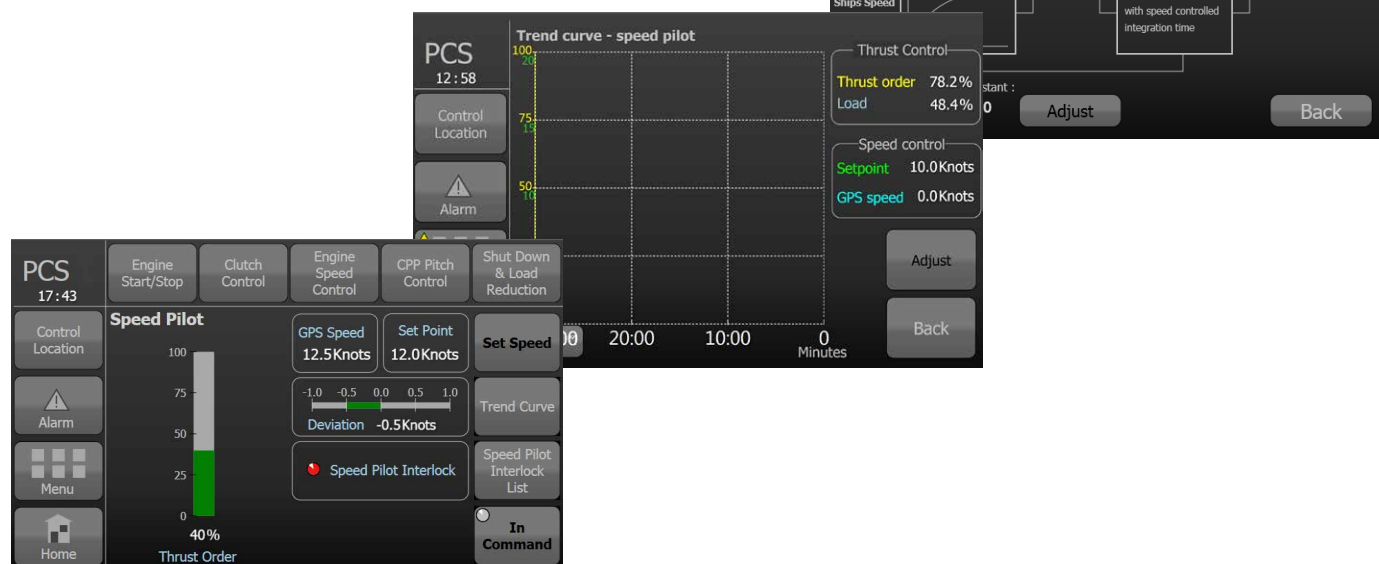
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Speed Pilot

Alphatronic 3000 feature - securing ETA with reduced fuel consumption

Setting and controlling ship speed via the Speed Pilot:

When the set point is above the actual speed, the thrust order will automatically be increased – and accordingly decreased when the set point is below the actual ship speed.



Stay low and save fuel

Speed Pilot and voyage planning

The Speed Pilot assists the navigators' approach to optimal route planning and ship speed control.

The Speed Pilot function, ensuring a constant ship speed over ground, is available with connection to the ship's GPS system for 'speed over ground' (SOG) input.

This function will relieve the operator from constantly monitoring the speed of the vessel and constantly changing the thrust order at the handle when external forces such as wind, current and waves are changing the ship speed along its route.

The Speed Pilot is regarded as a control station. When selected, the Speed Pilot will thus appear from the screens as 'Control Station in Command'. The thrust mode of the system is not changed when selecting the Speed Pilot.

Graphical trend function

In order to be able to judge the Speed Pilot performance, the system has a graphical trend function and possibilities of adjustment from the propulsion control panels.

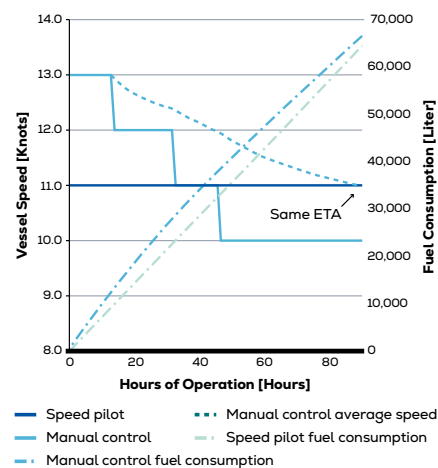
Beneficial speed optimization

- Increased ship speeds result in exponentially increased fuel consumptions
- High ship speeds e.g. in the beginning of a voyage ensure good and safe times of arrival – but are costly in fuel and generate additional exhaust gas emissions
- The correctly set Speed Pilot-controlled ship speeds save fuel.

Savings: Manual control versus Speed Pilot

Real life fuel savings of up to 4% have been demonstrated on a sea voyage of 1,000 Nautical Miles with a 2 x 8L27/38 powered AHTS vessel.

1,000 Nautical Miles example



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