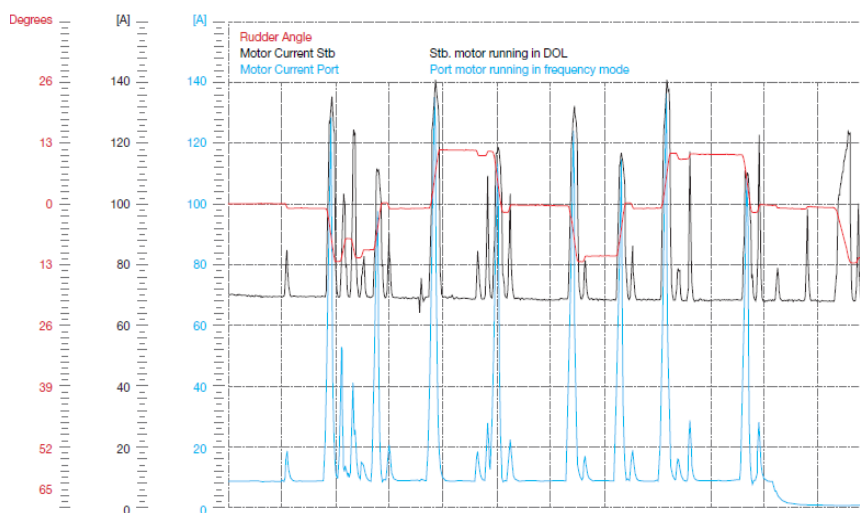


Porsgrunn frequency controlled steering gear

Offshore Mooring and Loading Competence Centre Sales Bulletin 0010.01



Real measurements from a sea trial:



The diagram shows the power consumption on a steering gear, type 650-325/2 IMO. The blue line shows the power consumption of the pump unit with the frequency converter (frequency mode). The black line shows the power consumption of the pump unit without the frequency inverter (DOL). The red line is the rudder angle.

Background Information

MacGregor offers frequency controlled steering gear for new builds and as an upgrade for currently sailing vessels

Frequency controlled steering gear leads to a reduction in energy consumption that in turn reduces fuel consumption and vessel operating costs.

Frequency control for steering gear can easily be retrofitted on currently sailing vessels.

Details

- Optimises steering gear performance
- Considerably less emissions
- Reduced life-cycle cost
- Increases efficiency of system
- Approximately 75% less power consumption
- Can be installed on already sailing vessels
- Low noise
- Low vibration

MacGregor shapes the offshore and marine industries by offering world-leading engineering solutions and services with a strong portfolio of MacGregor, Hatlapa, Porsgrunn, Pusnes and Triplex brands.

MacGregor is part of Cargotec (Nasdaq Helsinki: CGCBV)

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