Energy saving frequency drive control for cooling sea water pump

J-S/Eco (JRCs Smart Eco System)

J-S/Eco applies a smart frequency drive system which controls the speed of the motor of the main cooling sea water pumps at the most efficient point. It enables to reduce the power consumed by the motors to the minimum level, resulting irreduction of the vessel’s fuel consumption. The equipment is specially designed for marine application for its harsh environment with long term guarantee by JRCs making sure that the ship owners recoup the initial investment back as fast as possible.

INQUIRIES

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Inverter Energy Saving Retro-fit

C.S.W. Pump Motor Inverter Driven System

The C.S.W. pump is operated at rated constant speed in existing way no concerning with secondary thermal load, so it consumes unnecessary electric power inboard and the C.F.W. line tends to overcool. Therefore we propose the optimum system which controls the rotational speed of C.S.W. pump by inverter and PLC, with sensing cooler outlet temperature of C.F.W. line. This system can be also applied to the existing ship. (retro-fit)

INQUIRIES

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