

Contra-Rotating Marine Propeller

This counter-rotating propeller's design achieves a 10%-15% higher efficiency compared to conventional single propellers. It maintains an average working time between failures of greater than 5000 hours.



ADDITIONAL IMAGES



Overview

Advanced Marine Propulsion

This contra-rotating marine propeller system utilizes two propellers rotating in opposite directions on a common axis to significantly enhance propulsion efficiency. By avoiding the high-speed mutual rotation of inner and outer shaft sleeves, the design reduces bearing heating and improves operational safety. The streamlined, compact gearbox minimizes water flow pressure, resulting in a system that is 10-15% more efficient than conventional single-propeller configurations.

Performance Metrics

Efficiency Improvement

15 %

Efficiency Increase

Technical Features

Key Design Advantages

- Dual-shaft configuration reduces bearing heat
- Streamlined gearbox reduces water flow resistance
- Minimized individual gear load
- Enhanced safety and reliability

Model Identifier

CFCR-W-LD600

Certifications & Status

Compliance & Status

Patented Design, Independent Intellectual Property, High Performance