

950hp Marine Diesel Engine

This four-stroke marine engine features direct injection and water cooling. Pulse boost and intercooling technologies are incorporated for enhanced performance.



Overview

6D51 Series Marine Diesel Engine

The 6D51 series is a medium-speed, four-stroke diesel engine engineered for high reliability and maintainability in demanding maritime environments. Featuring advanced pulse boost and intercooling technologies, this engine offers a versatile fuel profile including diesel, heavy oil, natural gas, and bio-oil. Its compact, robust design ensures consistent performance for a wide range of vessel types and land-based power generation needs.

Performance Metrics

Nominal Power

450 kW

Minimum Power

698 kW

Maximum Power

Nominal Speed Range

750 - 1000 r/min

Efficiency & Consumption

Fuel Consumption Rate

200 g/kW.h

Engine Oil Consumption Rate

0.8 g/kW.h

Technical Specifications

Design Features

- Four-stroke cycle
- Direct injection
- Water cooling
- Pulse boost technology
- Intercooling technology
- Alloy cast iron body
- Alloy forged steel crankshaft

Compatible Fuels

Diesel, Heavy Oil, Natural Gas, Bio-oil

Compliance & Application

Emission Standards

IMO Compliant

Typical Applications

- Passenger ships
- Cargo ships
- Engineering ships
- Fishing boats
- Large ship auxiliary power
- Land generator sets