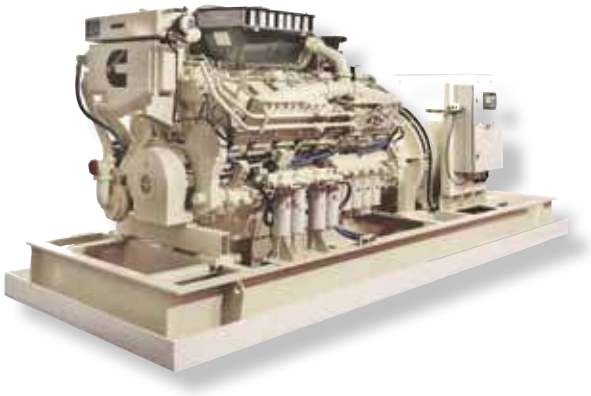
K50-CP

Marine Generator Sets

IMO Tier II certified

Specifications

Engine Model	Cummins KTA50-D(M1)
Alternator	Newage PM734E
AVR Type	MX321
Operating Fuel	#2 Diesel, MGO
Agency Approvals	ABS, BV, DNV, GL, LR
Emissions	IMO Tier II



Dimensions

Length	5150 mm	203 in
Width	1900 mm	75 in
Height	2100 mm	83 in
Weight	9700 kg	21384 lb

Dimensions and weight may vary based on selected engine configuration

Ratings

					Fuel Consumption	
Model	**Power* @ RPM**	**kV-A @ 0.8 pf**	**Frequency**	**Voltage**	**Rated Speed L/hr (gal/hr)**	**ISO** L/hr (gal/hr)**
K50-CP	1050 kWe @ 1500	1313	50 Hz	380, 400, 415, 440	244.5 (64.6)	129.5 (34.2)
K50-CP	1240 kWe @ 1800	1550	60 Hz	416, 440, 460, 480	290.7 (76.8)	152.8 (40.4)

* kWe reflects the approximate amount of power available when used in a keel cooled genset configuration
* Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

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C Power Design Features

- World-class Cummins diesel engines matched to industry-leading Cummins alternators. Designed, integrated and assembled for optimal efficiency and performance
- Engineered for the tough demands of the marine environment with superior durability and high uptime requirements
- Simplified vessel integration with less complex mechanical connections
- Available with multi-station alarm and monitoring panels via a local digital network to match application requirements
- Integrated alarm system can be configured to communicate with ship's central data systems
- Flexible configurations available to customize the generating set to the vessel's operation requirements
- Comprehensive warranty applies to entire generating set and is valid globally

Engine Features

- Rugged V-16 cylinder turbocharged diesel engine with electronically governed fuel system provides excellent fuel economy and low maintenance requirements. Optional hydraulic backup speed governor
- Available in heat exchanger or keel cooled configurations
- Conforms to SOLAS surface temperature requirements and classifiable for Unmanned Machinery Space (UMS) applications as defined by IACS society rules
- IMO emissions certified by Lloyd's Register; Classification Society type approvals available
- Classed level units fitted with superior aluminum extruded wiring harness, duplex filtration and type-approved hardware

Alternator Features

- 6 wire, 3-phase alternator provides a broad range of re-connectable outputs
- Designed specifically for marine applications with an IP23 rating
- Two bearing alternator close coupled by a class approved flexible coupling using a permanent magnet generator provides constant excitation under all conditions
- Standard 2/3 pitch windings avoid excessive neutral currents
- Classifiable for Unmanned Machinery Space (UMS) applications as defined by IACS society rules
- Dynamically balanced rotors with sealed-for-life ball bearings
- Integrated anti-condensation heaters and two sets of RTDs

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