

K38-CP

Marine Generator Sets

Specifications

Engine Model	Cummins KTA38-D(M1)
Alternator	Newage PM734B
AVR Type	MX321
Operating Fuel	#2 Diesel, MGO
Agency Approvals	ABS, BV, DNV, GL, LR
Emissions	IMO Tier I



Dimensions

Length	4500 mm
Width	1900 mm
Height	2100 mm
Weight	8200 kg

Dimensions and weight may vary based on selected engine configuration

Ratings

Model	Power* @ RPM	kV-A @ 0.8 pf	Frequency	Voltage	Fuel Consumption	
					Rated Speed L/hr (gal/hr)	ISO** L/hr (gal/hr)
K38-CP	764 kWe @ 1500	955	50 Hz	380	206.0 (54.4)	104.1 (27.5)
K38-CP	804 kWe @ 1500	1005	50 Hz	400	206.0 (54.4)	104.1 (27.5)
K38-CP	832 kWe @ 1500	1040	50 Hz	415	206.0 (54.4)	104.1 (27.5)
K38-CP	845 kWe @ 1500	1056	50 Hz	440	206.0 (54.4)	104.1 (27.5)
K38-CP	888 kWe @ 1800	1110	60 Hz	416	226.7 (59.9)	122.2 (32.3)
K38-CP	920 kWe @ 1800	1150	60 Hz	440, 460, 480	226.7 (59.9)	122.2 (32.3)

* 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)

K38-CP

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-12 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
- Single bearing close coupled 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