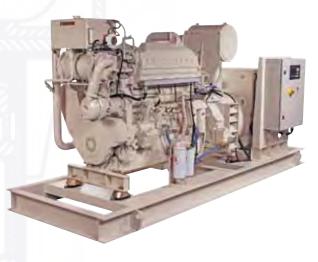
K19-CP

Marine Generator Sets IMO Tier II certified

Specifications

Engine Model	Cummins KTA19-D(M1)
Alternator	Newage HCM534E
AVR Type	MX341
Operating Fuel	#2 Diesel, MGO
Agency Approvals	ABS, BV, DNV, GL, LR
Emissions	IMO Tier II



Fuel Consumption

64.7 (17.1)

64.7 (17.1)

120.8 (31.9)

120.8 (31.9)

Dimensions

Length	3500 mm
Width	1540 mm
Height	2100 mm
Weight	4100 kg

Dimensions and weight may vary based on selected engine configuration

450 kWe @ 1800

460 kWe @ 1800

Ratings

K19-CP

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Model

Rated Speed ISO** Power* @ RPM kVA @ 0.8 pf Frequency Voltage L/hr (gal/hr) L/hr (gal/hr) 335 kWe @ 1500 419 50 Hz 380, 400, 415, 440 91.1 (24.1) 47.1 (12.4) 380 kWe @ 1500 475 50 Hz 380 102.6 (27.1) 52.5 (13.9) 400, 415, 440 390 kWe @ 1500 488 50 Hz 102.6 (27.1) 52.5 (13.9) 400 kWe @ 1800 500 60 Hz 416, 440, 460, 480 106.4 (28.1) 58.8 (15.5)

416

440, 460, 480

* kWe reflects the approximate amount of power available when used in a keel cooled genset configuration

563

575

* Average fuel consumption based on ISO 8178 E3 Standard Test Cycle (variable speed models) and ISO 8178 D2 Standard Test Cycle (fixed speed models)

60 Hz

60 Hz

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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 vessels operation requirements
- Comprehensive warranty applies to entire generating set and is valid globally

Engine Features

- Rugged in-line, six cylinder turbocharged diesel engine with mechanical fuel system provides excellent fuel economy and low maintenance requirements. Optional electronic 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

- 12 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