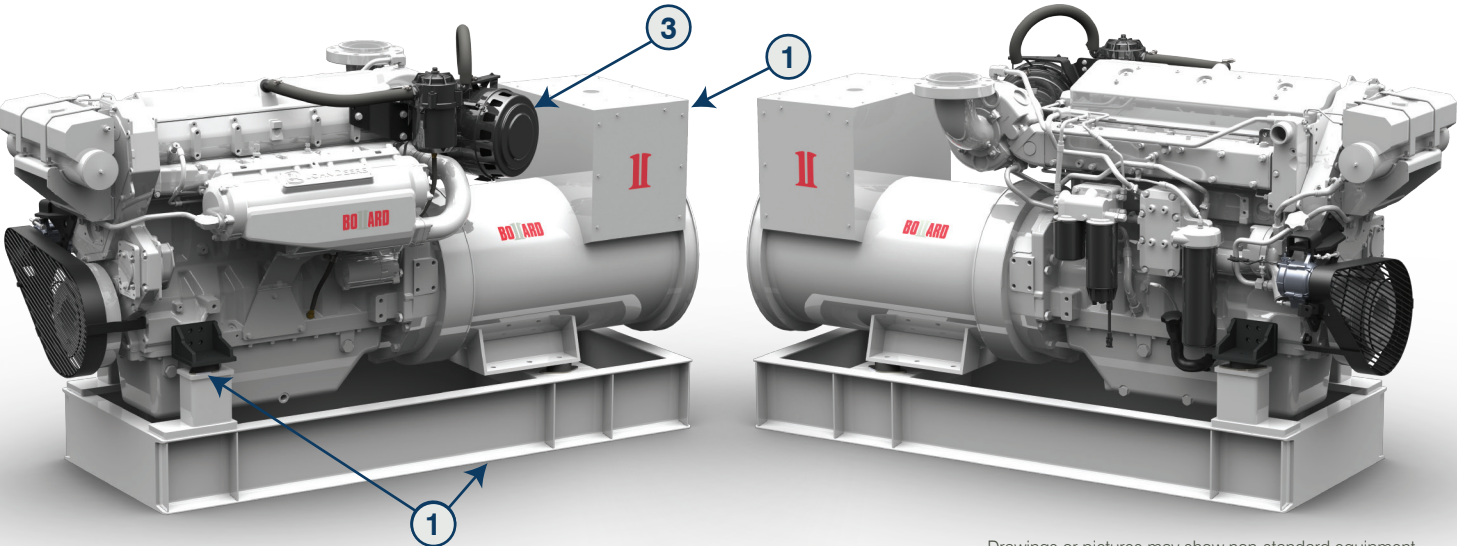


BOLLARD™ MG315 Series

315kW Marine Generator Specifications

315kW



Drawings or pictures may show non-standard equipment

Features and Benefits

Unsurpassed Quality & Reliability

- BOLLARD™ Generators are designed and built in the USA specifically for the rugged conditions of commercial use. The expected time between overhauls on the BOLLARD™ packaged generator set is 40 to 50 thousand hours.

1: High Efficiency Generators

- Heavy Duty windings engineered for 80°C rise of 40°C ambient yield extended insulation service life, high electrical efficiency for maximum fuel economy, and superior motor starting at all voltages. PMG dedicated excitation is standard, resulting in even higher motor starting together with 300% sustained short circuit capacity along with VFD and paralleling compatibility.

Emissions

- The Bollard MG50 –MG 395 Gen-Sets are EPA certified Tier 3 Marine, CARB, EU, and MOC. They meet the lowest emissions levels available on the market today without exhaust after-treatment resulting in reduced maintenance and operating costs while preserving our clean air and water quality.

Keel Cooling, Heat Exchange, or Radiator Compatibility

Premium Marine Grade Protection

- Bollard generators feature Imron™ 2 part marine epoxy overcoats on the engine, generator, and baseframe. Accessory brackets are typically powder coated, and fasteners are primarily stainless steel to protect your investment from the harsh marine environment.

2: Heavy Duty Structural Steel Base Frame & Reduced Noise

- For ease of installation, added structural integrity, safety and durability. Superior vibration and noise dampening with a high mass flywheel, polyurethane vibration isolators, mass loaded & stiffened baseframe, and de-noised engine.

3: Heavy Duty Air Intake Filtration & Silencing

- For increased performance, extended engine life, and quiet operation

Controls, Gauges, & Instrumentation

- Standard enclosed prewired J1939 digital control panel with key start/stop and run/idle switch. Safety shutdowns are programmed for high water temp, low oil pressure, and over-speed. Included are LED readout of all J1939 trouble codes and diagnostics. Custom panels offer, auto-start/stop function for inverter or paralleling interface, load sharing, digital generator output LEDs and full function electrical distribution switchboards.

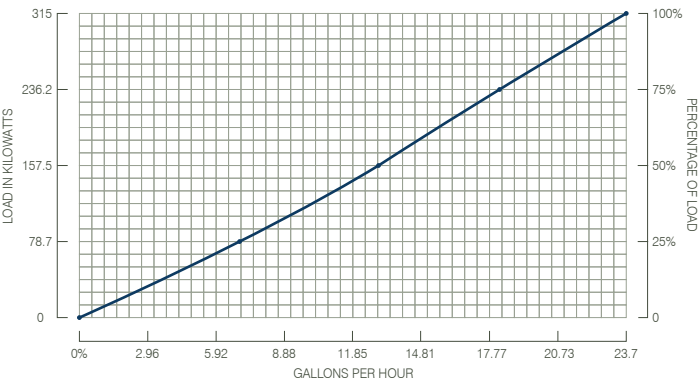
Optional SEADRIVE™ Front Power Take Off System

- Compact heavy duty housing, pre aligned, easy to install, service friendly, integrated torsional coupling, and available with or without a clutch.

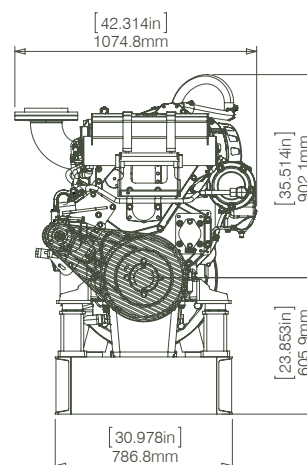
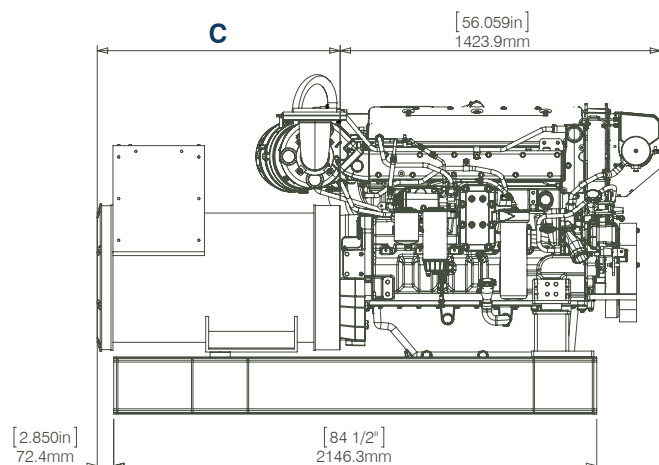
General Specifications

Engine Model	6135AFM85
Engine Type	In-Line 6 Cylinder Diesel
Displacement - L (cu.in)	13.5 (823.82)
Bore x Stroke - mm (in)	132 (5.2) x 165 (6.5)
Aspiration	Turbocharged - Air-to-Coolant Aftercooled
Oil Sump Capacity - qts (L)	42.26 (40)
Emission Regulation	EPA Commercial Marine Tier 3
Prime - 60hz, 1800RPM (HP)	315kW (447)
Standby - 60Hz, 1800RPM (HP)	346kW (492)
Voltage Regulation	+/- .25%
Starter	24v 5 kW
Alternator	24v 75 Amp
Operating Angle	20° (Constant) 30° (Intermittent)
Dry Weight - lbs	5928 (engine, 433 gen, skid)
Length x Width x Height - inches	(see back for details)

Fuel Performance



Dimensions



Alternate Dimensions C - Length - In Total Weight

433-6220	42.39" (46.99" w/ PMG)	2245
HCI434F	49.68" (53.88" w/ PMG)	2557
HCM434F	46.88" (52.08" w/ PMG)	2557

Generator options include but are NOT limited to the models shown. Custom sizing and motor starting options are available.

Drawings or pictures may show non-standard equipment

Dimensions may be subject to change without notice and or with the use of alternate generators and cooling systems.

Please confirm exact configuration if dimensions are critical.

Load Performance	25%	50%	75%	100%
Load in kW	78.74	157.5	236.2	315
Pounds Per Hour	48.99	91.59	128.5	168.3
Gallons Per Hour	6.9	12.9	18.1	23.7
kW Per Gallons Per Hour	11.41	12.21	13.05	13.29
Pounds Per Gallon	7.1	7.1	7.1	7.1
Continuous kW Output	315	315	315	315
Horsepower At Load	111.8	223.5	335.3	447
Horsepower Continuous	447	447	447	447
Pounds Per Horsepower Per Hour	.438	.409	.383	.376

Customizable Options and Accessories

Engine	Controls & Instrumentation	DC Electrical System	Exhaust	Additional Options
Single Circuit Keel Cooling Package	Control Panel	Battery: 12v 24v	SS Wet Exhaust Mixing Elbow	Sea Trial Start Up
Single Circuit Heat Exchange Package	Custom Harness Length	Battery Rack & Cables	Dry Exhaust Matching Flange	MER Site Start-Up w/ Load Bank
Single Circuit Marine Radiator Package	Auxiliary Start Panel	Battery Isolation Switch	SUPERFLEX™ Exhaust Bellows	Custom Frame / Skid
	Auto Start/Stop		Cowl & EM Exhaust Silencers	Dual Vibration Isolation Mounts
Motor Starting Upgrade Options	Pre-Alarm Senders	Fuel-Lube Oil System	Heat Recovery Silencer	Custom Sound Enclosure
(Code G Motor @ 208VAC)	AC Meter Panel	SCOR™ Oil Regeneration System		Galvanized or Powder Coated
Up to 1:1 HP per kW	Low Coolant Level Shutdown	Oil Drain Extension W/ Valve	Power Take Off	Skids & Accessories
	High Water Temp. Shutdown	Oil Drain Pump To Engine	SEADRIE™ Clutched Front PTO	Racor Fuel Water Separator
Air Intake & Filtration	Low Oil Pressure Shutdown	Move Dipstick To Opposite Side	Clutch: Air Oil Electric	
K&N Air Filters	Low Oil Level Gauge/Shutdown	High/Low Oil Level Shut Down	SEADRIE™ Direct Drive Front PTO	
Donaldson Air Silencer	Overspeed Shutdown	Custom Oil Drain Hose Length	Aux. A/B 2 Sheave Universal Pulley	
Closed Crank Case Vent Loop	Paralleling & Load Share	Single Side Service	Aux. A/B 4 Sheave Universal Pulley	
	Over-Voltage Alarm	Lube Oil Drip Pan	Additional Belts	
	Over-Current Alarm			
	Under-Current Alarm			