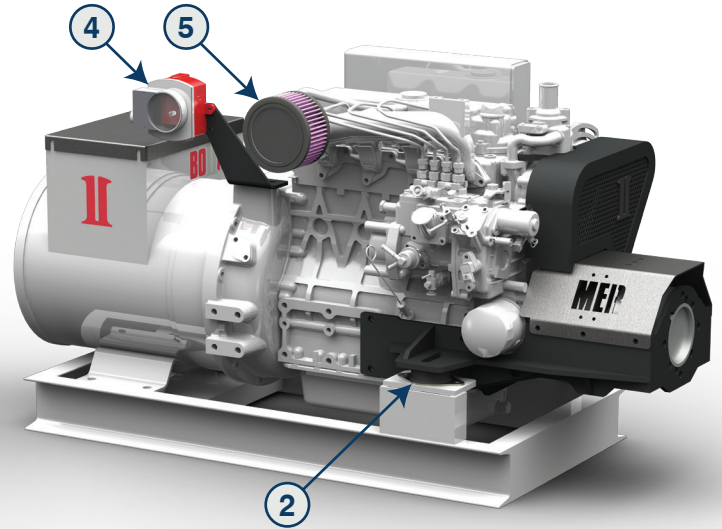
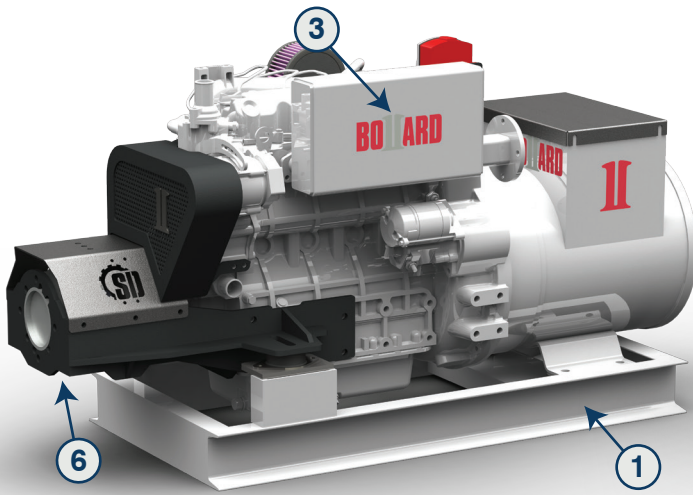


# BOLLARD™ MG18 Series

18kW Marine Generator Specifications

# 18kW



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 20 to 50 thousand hours.

### Emissions

- Tier III Marine EPA Certified. CARB, EU and MOC Certified. The MG18 Gen-Set offers a seamless transition from Tier 2 to Marine Tier 3 by maintaining the same footprint and hard mounting points with only the slight performance changes from the Tier 2 engine.

### Radiator, Heat Exchanger Or Keel Cooling Compatibility

- Flexible cooling systems for reliability in any adverse condition or application.

### Anti-Rust Primer - Black & White Industrial Enamel

- We use industrial grade premium primer & enamel on our engines. Providing excellent corrosion resistance and visibility in your engine room. Other colors available on request.

### Optional SCOR™ Oil Regeneration System

- Keeps your oil cleaner and performing better than when it came out of the bottle. With SCOR™, engines constantly run on clean oil with good chemical balance and run longer between overhauls, oil and filter changes. Saves time and money.

### 1: Heavy Duty Structural Steel Base Frame

- For ease of installation, added structural integrity, superior vibration dampening, safety and durability.

### 2: Reduced Noise

- Low vibration & noise due to high mass flywheel, crank-center mounted vibration isolators, mass loaded & stiffened skids, and de noised engine.

### 3: Water Jacketed Exhaust Manifold and Expansion Tank

- Provides low engine room temperatures and greatly reduces fire hazard

### 4: Controls, Gauges & Instrumentation

- Customizable with a wide variety of sender & control options as well as custom in house fabrication. Generator packages can be tailor made to fit any application.

### 5: Heavy Duty Air Intake Filtration

- For increased performance and extended engine life.

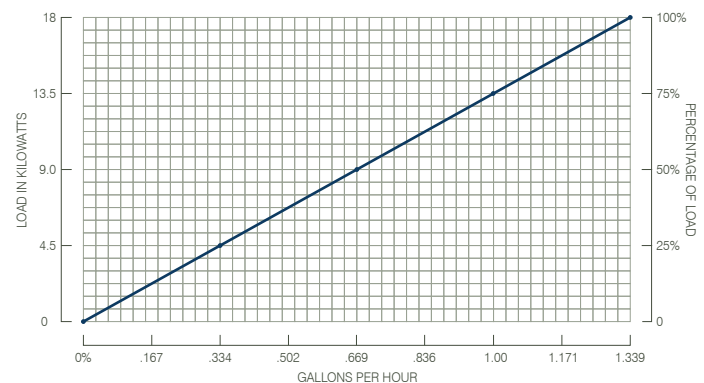
### 6: Optional SEADRIVE™ Front Power Take Off System

- The ultimate PTO. Ultra short heavy duty housing, pre aligned, easy to install, service friendly and available with or without a clutch. Integrated torsional coupling eliminates vibration and extends engine life.

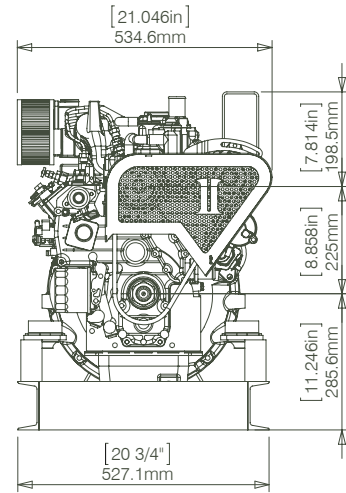
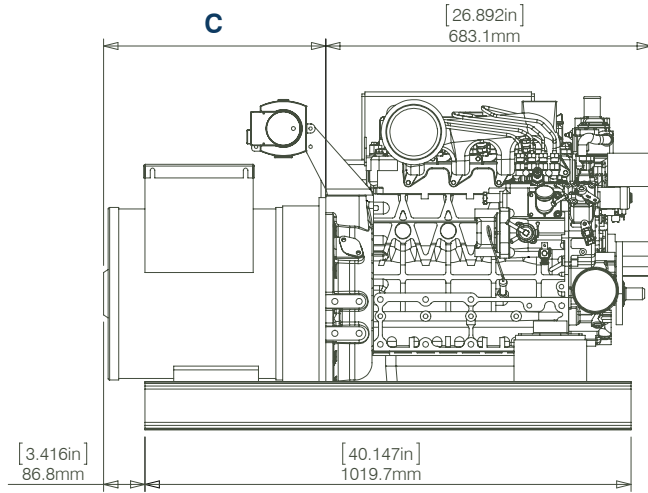
## General Specifications

Engine Model	V2003-M-E3BG
Engine Type	In-Line   4 Cylinder   Diesel
Displacement - L (cu.in)	1.99 (122)
Bore x Stroke - mm (in)	83 (3.27) x 92.4 (3.64)
Aspiration	Naturally Aspirated
Oil Sump Capacity - qts (L)	8.04 (7.6)
Emission Regulation	Tier III Marine
Prime - 60hz, 1800RPM (HP)	18 kW (24.1)
Standby - 60Hz, 1800RPM (HP)	19.8 kW (29.2)
Motor Starting Range - HP	6.04 - 14.6 (Code G Motor @ 208VAC)
Voltage Regulation	+/-1%
Starter	12v   1.4 kW
Alternator	12v   40 Amp
Operating Angle	20° (Constant)   30° (Intermittent)
Dry Weight - lbs	440.9 (Engine only, Generator on back)
Length x Width x Height - inches	Details on Back)

## Fuel Performance



## Dimensions



### Alternate Dimensions

### C - Length - In (mm) Weight

Model	C - Length - In (mm)	Weight
282	18.5 (469.9)	275
284	22.75 (577.85)	405
ECO28	20.7 (525.78)	306
ECO32	28.6 (726.44)	546

Drawings or pictures may show non-standard equipment

Dimensions are 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 Performance	25%	50%	75%	100%
Load in kW	4.50	9.00	13.51	18.02
Pounds Per Hour	2.37	4.75	7.12	9.50
Gallons Per Hour	.335	.669	1.00	1.34
kW Per Gallons Per Hour	13.46	13.46	13.46	13.46
Pounds Per Gallon	7.1	7.1	7.1	7.1
Continuous kW Output	18	18	18	18
Horsepower At Load	6.1	12.2	18.3	24.4
Horsepower Continuous	24.4	24.4	24.4	24.4
Pounds Per Horsepower Per Hour	.386	.386	.386	.386

## 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	Crank Vent Filtration Kit
<b>Motor Starting Upgrade Options</b>	Pre-Alarm Senders	<b>Fuel-Lube Oil System</b>	Heat Recovery Silencer	Dual Vibration Isolation Mounts
<b>(Code G Motor @ 208VAC)</b>	AC Meter Panel	SCOR™ Oil Regeneration System		Custom Sound Enclosure
6.04HP	Low Coolant Level Shutdown	Oil Drain Extension W/ Valve	<b>Power Take Off</b>	Galvanized or Powder Coated
6.4HP	High Water Temp. Shutdown	Oil Drain Pump To Engine	SEADRIVE™ Clutched Front PTO	Skids & Accessories
14.31 HP	Low Oil Pressure Shutdown	Move Dipstick To Opposite Side	Clutch: Air   Oil   Electric	Racor Fuel Water Separator
14.6HP	Low Oil Level Gauge/Shutdown	High/Low Oil Level Shut Down	SEADRIVE™ Direct Drive Front PTO	
	Overspeed Shutdown	Custom Oil Drain Hose Length	Aux. A/B 2 Sheave Universal Pulley	
<b>Air Intake &amp; Filtration</b>	Paralleling & Load Share	Single Side Service	Aux. A/B 4 Sheave Universal Pulley	
K&N Air Filters	Over-Voltage Alarm	Lube Oil Drip Pan	Additional Belts	
Donaldson Air Silencer	Over-Current Alarm			
Closed Crank Case Vent Loop	Under-Current Alarm			