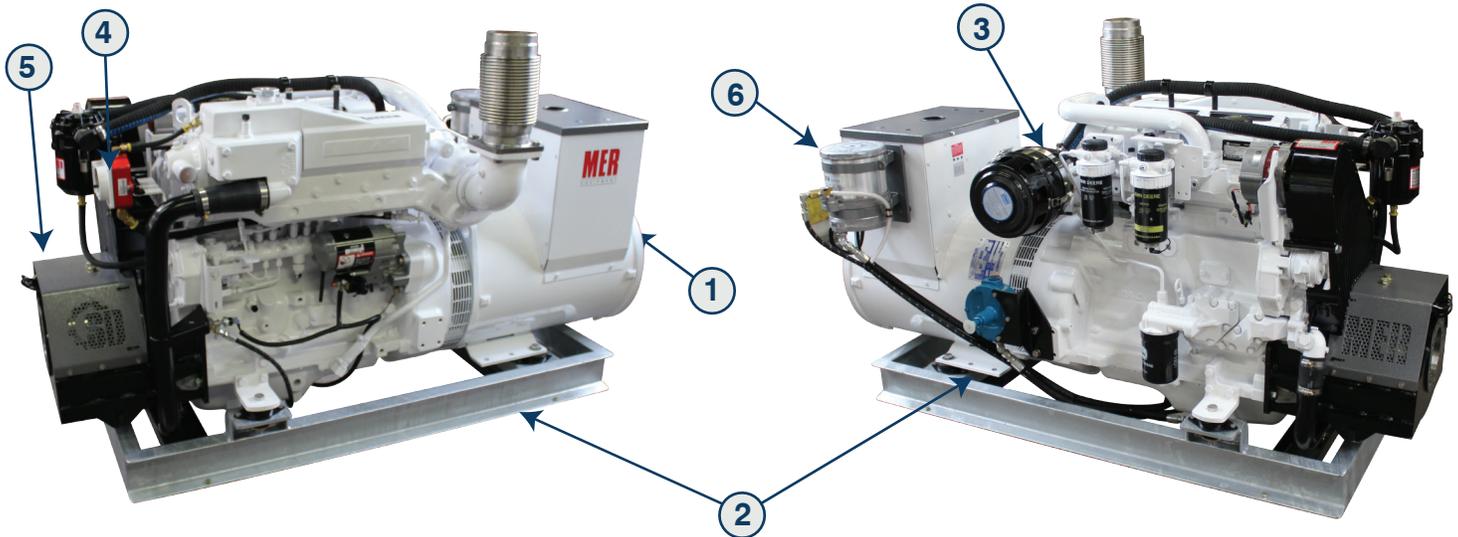


BOLLARD™ MG65 Series

65kW Marine Generator Specifications

65kW



* 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 Motor Starting

- 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

4: 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

5: 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.

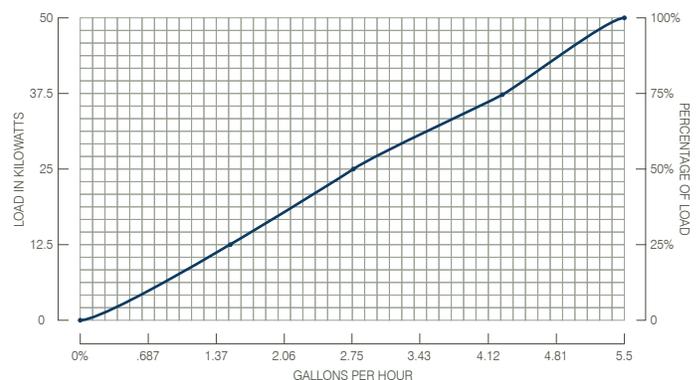
6: Optional SCOR™ Sea Change Oil Regeneration System

- 1µ bypass oil filter. Safely extends oil drain intervals and engine life.

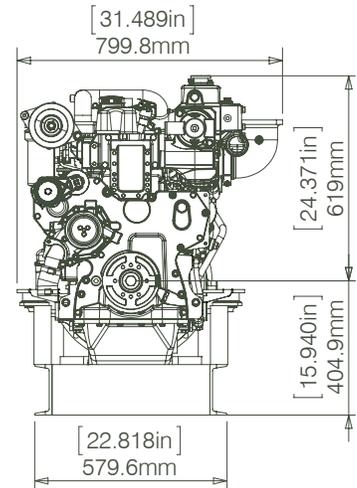
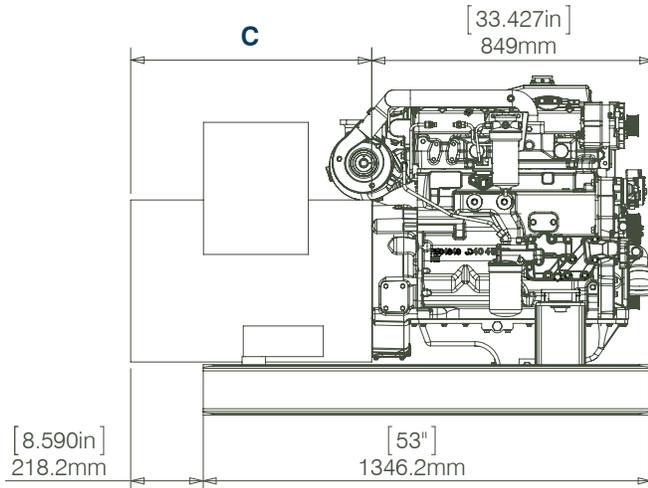
General Specifications

Engine Model	4045TFM85
Engine Type	In-Line 4 Cycle 4 Cylinder Diesel
Displacement - L (cu.in)	4.5 (275)
Bore x Stroke - mm (in)	106 (4.17) x 127 (5.00)
Aspiration	Turbocharged
Oil Sump Capacity - qts (L)	19 (18)
Emission Regulation	EPA Commercial Marine Tier 3
Prime - 60hz, 1800RPM (HP)	65 kW (87)
Standby - 60Hz, 1800RPM (HP)	71.5 kW (96)
Motor Starting Range - HP	23.5 - 65 (Code G Motor @ 208VAC)
Voltage Regulation	+/- .25%
Starter	12v 4.5 kW
Alternator	12v 75 Amp
Operating Angle	20° (Constant) 30° (Intermittent)
Dry Weight - lbs	2028 (engine, 362 gen, skid)
Length x Width x Height - inches	(See details on back)

Fuel Performance



Dimensions



Alternate Dimensions

C - Length

Weight

Alternate Dimensions	C - Length	Weight
362-1604	28.99 (33.59" w/ PMG)	706
UCI274C	31.45 (33.95" w/ PMG)	895
UCI274G	37.95 (40.45" w/ PMG)	1278.68

* 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	16.3	32.5	48.8	65
Pounds Per Hour	14.26	23.96	36.21	16.19
Gallons Per Hour	1.7	2.9	4.3	5.5
kW Per Gallons Per Hour	9.6	11.2	11.35	11.81
Pounds Per Gallon	7.1	7.1	7.1	7.1
Continuous kW Output	65	65	65	65
Horsepower At Load	21.75	43.5	65.25	99
Horsepower Continuous	99	99	99	99

Customizable Options and Accessories

Engine

Single Circuit Keel Cooling Package
 Single Circuit Heat Exchange Package
 Single Circuit Marine Radiator Package

Motor Starting Upgrade Options (Code G Motor @ 208VAC)

Up to 1:1 HP per kW

Air Intake & Filtration

K&N Air Filters
 Donaldson Air Silencer
 Closed Crank Case Vent Loop

Controls & Instrumentation

Control Panel
 Custom Harness Length
 Auxiliary Start Panel
 Auto Start/Stop
 Pre-Alarm Senders
 AC Meter Panel
 Low Coolant Level Shutdown
 High Water Temp. Shutdown
 Low Oil Pressure Shutdown
 Low Oil Level Gauge/Shutdown
 Overspeed Shutdown
 Paralleling & Load Share
 Over-Voltage Alarm
 Over-Current Alarm
 Under-Current Alarm

DC Electrical System

Battery: 12v | 24v
 Battery Rack & Cables
 Battery Isolation Switch
Fuel-Lube Oil System
 SCOR™ Oil Regeneration System
 Oil Drain Extension W/ Valve
 Oil Drain Pump To Engine
 Move Dipstick To Opposite Side
 High/Low Oil Level Shut Down
 Custom Oil Drain Hose Length
 Single Side Service
 Lube Oil Drip Pan

Exhaust

SS Wet Exhaust Mixing Elbow
 Dry Exhaust Matching Flange
 SUPERFLEX™ Exhaust Bellows
 Cowl & EM Exhaust Silencers
 Heat Recovery Silencer

Power Take Off

SEADRIVE™ Clutched Front PTO
 Clutch: Air | Oil | Electric
 SEADRIVE™ Direct Drive Front PTO
 Aux. A/B 2 Sheave Universal Pulley
 Aux. A/B 4 Sheave Universal Pulley
 Additional Belts

Air Intake & Filtration

K&N Air Filters
 Donaldson Air Silencer
 Closed Crank Case Vent Loop
 Walker AirSep

Additional Options

Sea Trial Start Up
 MER Site Start-Up w/ Load Bank
 Custom Frame / Skid
 Crank Vent Filtration Kit
 Dual Vibration Isolation Mounts
 Custom Sound Enclosure
 Galvanized or Powder Coated
 Skids & Accessories
 Racor Fuel Water Separator