

Shown with  
Accessory Equipment;  
Radiator Not Included

## STANDARD EQUIPMENT

### Air Inlet System

Corrosion resistant aftercooler core, regular duty panel-type air cleaner

### Cooling System

Gear driven centrifugal self-priming auxiliary sea water pump, gear driven centrifugal jacket water pump, expansion tank, oil cooler, thermostats and housing with 92°C (198°F) full open temperature

### Exhaust System

Watercooled manifold and turbocharger; dry elbow and flange, 152 mm (6 in.)

### Flywheel and Flywheel Housing

SAE No. 0 (136 teeth)

### Fuel System

Fuel priming pump, fuel transfer pump, RH fuel filter, flexible fuel lines

### Generator and Attachments

Brushless self excited generator, VR3 voltage regulator, space heater

### Instruments

RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

### Lube System

RH oil level gauge and oil filter, crankcase breather, oil filler in valve cover

### Mounting System

Rails, 85 mm (3.3 in.) height

### General

Vibration damper, Caterpillar yellow paint, lifting eyes

# Marine Generator Set 3408C

370 ekW (462 kVA) 60 Hz @ 1800 rpm

## CATERPILLAR ENGINE SPECIFICATIONS

### V-8, 4-Stroke-Cycle-Diesel

Emissions ..... IMO compliant  
Displacement ..... 18 L (1099 cu. in.)  
Bore ..... 137 mm (5.4 in.)  
Stroke ..... 152 mm (6.0 in.)  
Aspiration ..... Turbocharged-Aftercooled  
Governor ..... Hydra-mechanical or PSG  
Engine Weight, Net Dry (approx).... 1742 kg (3840 lb)  
Capacity for Liquids  
Cooling System (engine only) .... 45 L (12 U.S. gal)  
Lube Oil System (refill) ..... 45 L (12 U.S. gal)  
Oil Change Interval ..... 250 hr  
Caterpillar DEO 10W30 or 15W40  
Rotation (from flywheel end) ..... Counterclockwise

## ACCESSORY EQUIPMENT

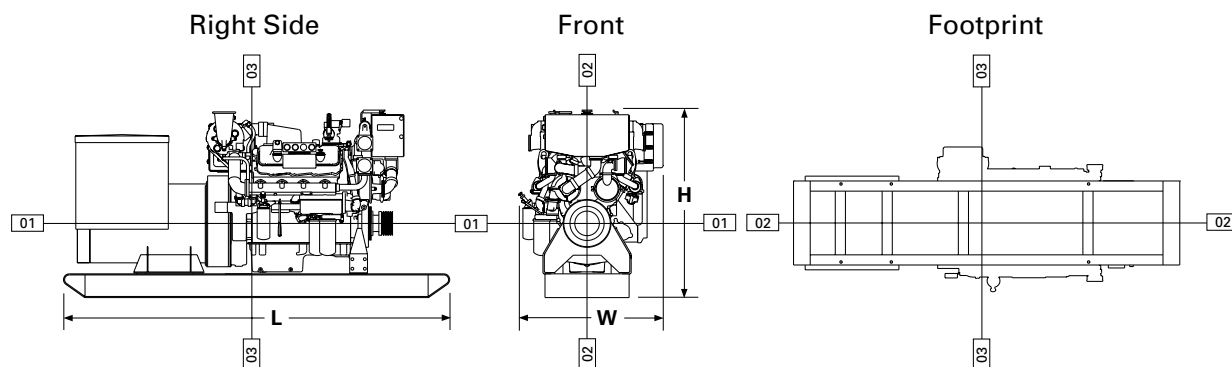
Air Starting Motor  
24V 35 Amp, 24V 60 Amp, 32V 60 Amp Alternator  
Alarm Contactor — Oil Pressure, Water Temperature  
Auxiliary Water Pump  
Digital Tachometer  
Double Wall Fuel Lines and Drain  
Dry Charge Coolant Conditioner  
Duplex Oil Filters  
24V or 32V Electric Gauges  
Electric Shutoffs — Oil Pressure, Water Temp., Overspeed  
24V, 30 or 32V Electric Starting Motor  
Ether Starting Aid  
Exhaust Elbows, Pipe, Flexible Fittings, Mufflers  
Governor Control Motor and Switch  
Heat Exchanger  
4- or 8-Hole Instrument Panel  
LH Oil Level Gauge  
Load Sharing or Speed Control Governor  
Low Voltage Connections  
Magnetic Pickup  
Manual Voltage Control  
Mechanical Tachometer Drive  
Primary Fuel Filter/Water Separator  
RFI Filter  
Solenoid Shutoff — 24V ETR, ETS  
Spare Parts Kit  
Terminal Strip Connections

## PERFORMANCE DATA

Turbocharged-Aftercooled

DM6115-00

370 ekW (.8 pf) 462 kVA			
% load	ekW	Lph	gph
100	370	102.7	27.1
75	278	77.4	20.4
50	185	53.2	14.1
25	93	31.3	8.3



## DIMENSIONS\*

	mm	in.
<b>Overall Length</b>	3308.5	130.3
Length from front to rear face of block	1303.1	51.3
Length from rear face of block to end of generator	1513.9	59.6
<b>Overall Height</b>	1605.1	63.2
Height from crankshaft centerline to top of engine	970.1	38.2
Height from crankshaft centerline to bottom of rails	635.0	25.0
<b>Overall Width</b>	1239.4	48.8
Width from crankshaft centerline to port side (left side)	650.7	25.6
Width from crankshaft centerline to starboard side (right side)	588.7	23.2

Customer mounting hole diameter	20.5	0.8
Width from crankshaft centerline to mounting holes	334.0	13.2
Length from rear face of block to mounting holes	913.8	36.0

Front		Rear	
mm	in.	mm	in.
20.5	0.8	20.5	0.8
334.0	13.2	334.0	13.2
913.8	36.0	776.2	30.6
		1207.1	47.5

\*Illustrations and dimensions from drawing: 183-2010.

## CATERPILLAR SR4 GENERATOR

Type	Brushless, revolving field, solid state excited
Construction	Single bearing, close coupled
Three-phase	10 wire, wye connected
Insulation	Class F with tropicalization and anti-abrasion
Alignment	Pilot shaft
Voltage Regulator	Generator mounted, volts-per-hertz
Voltage Droop	Adjustable for parallel operation
Voltage Regulation	±1/2%
Voltage Gain	Adjustable
Generator Weight, Net (approx)	
584 frame	1166 kg (2570 lb)
Space Heater	
Voltages Available (adjustable +10%, -5%)	
60 Hz	220-440 volts
Meets or exceeds Marine Society requirements	

## RATING CONDITIONS

### Engine Performance Parameters

Power	±3%
Specific Fuel Consumption	±3%
Fuel Rate	±5%

**Ratings** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

**Fuel rates** are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM6115-00 (06-15-01)

Materials and specifications are subject to change without notice.

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Supersedes LEHM6669

The International System of Units (SI) is used in this publication.

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