

# C18 ACERT™

## MARINE GENERATOR SET PACKAGE

425 ekW

465 bkW

1800 rpm



Image shown  
may not reflect  
actual engine

## SPECIFICATIONS

### I-6, 4-Stroke-Cycle-Diesel

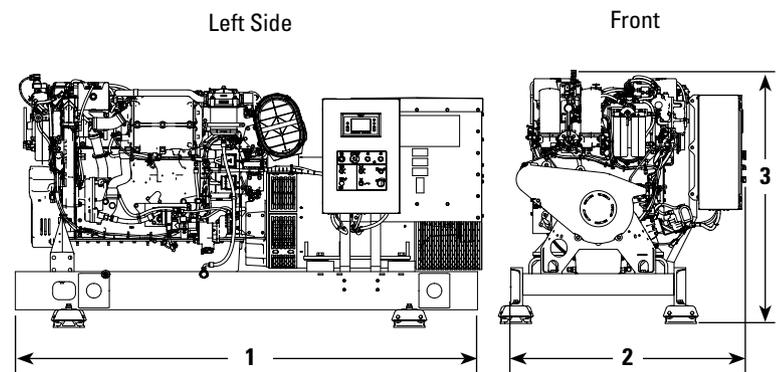
- IMO II compliant
- 18.0 L (1098 cu in) displacement
- 60 hz 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - Lube oil system: 68 L (18 gal) deep pan
- 500-hour oil change interval deep pan
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing  
136 flywheel teeth (18 inch)
- Counterclockwise rotation from flywheel end



## STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air filter
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Auxiliary pump for heat exchanger cooling
- SCAC and jacket water pumps
- Watercooled exhaust manifold and turbocharger
- Round flanged exhaust outlet
- Center sump oil pan, deep
- Oil filler, filter, and dipstick, front service
- MEUI fuel system
- Fuel filter, front service
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Formed C-channel rails
- Vibration isolators
- SR4B permanent magnet 12-lead generator
- Digital voltage regulator
- Class H insulation, Class F temperature rise, IP23 protection

## DIMENSIONS



### ENGINE DIMENSIONS & WEIGHT

<b>(1) Length</b>	3040 mm	119.7 in
<b>(2) Width</b>	1547 mm	60.9 in
<b>(3) Height</b>	1684 mm	66.3 in
<b>Weight, Net Dry (approx)</b>	4406 kg	9713 lb

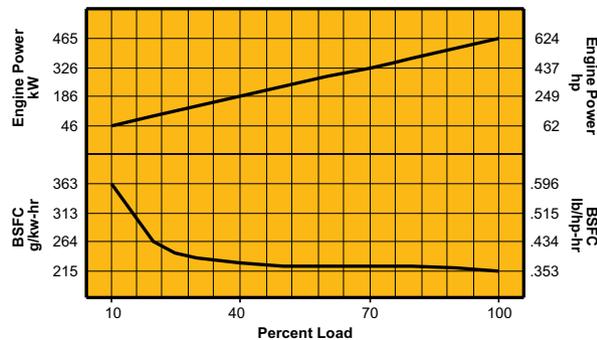
Note: Do not use these dimensions for installation design. See general dimension drawings for detail.

## MARINE ENGINE PERFORMANCE

### Prime Rating – EM0090-00

% Load	ekW	bhp	g/hr	bkW	g/bkW-hr
100	425	624	31.5	465	215
75	319	468	24.5	349	223
50	213	312	16.4	233	223
25	106	156	9.0	116	246
10	43	62	5.3	47	363

### 465 bkW (425 ekW) @ 1800 rpm



## OPTIONAL ATTACHMENTS

- Air inlet adapter
- Cat® alarm and protection system
- EMCP 3.3 control panel
- Battery charger 10 amp
- Charging alternator 24V 105 amp
- Exhaust elbows, dry or watercooled
- Exhaust flange and flexible fitting
- Mufflers (option for spark arresting)
- Duplex fuel filter – front service
- Fuel cooler
- Primary fuel/water separator
- Duplex oil filter – front service
- Manual sump pump
- Starting motors – electric and/or air
- Jacket water heaters
- Battery sets – 24V 950-1300 CCA
- Load sharing module (option for type approved module)
- Low voltage connections
- Extension terminal box
- Power take-offs
- Fumes disposal (closed system)

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