

# C18 ACERT™

## MARINE GENERATOR SET PACKAGE

430 ekW      465 bkW      1800 rpm  
565 ekW      599 bkW      1800 rpm

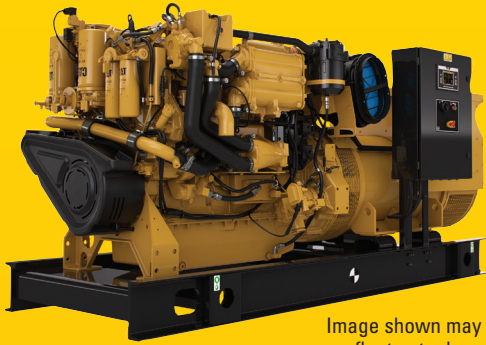


Image shown may not reflect actual engine

## SPECIFICATIONS

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

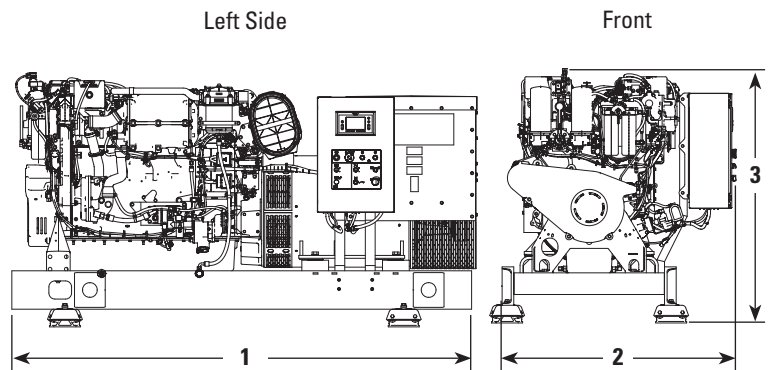
- U.S. EPA Tier 3/IMO II certified
- 18.0 L (1098 cu in) displacement
- 60 hz 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Cooling system refill capacity
  - Jacket water: 43 L (11.4 gal) HEX, 41 L (10.8 gal) Keel
  - Aftercooler: 25 L (6.5 gal) HEX, 17 L (4.5 gal) Keel
- Lube system refill capacity
  - Deep pan: 68 L (18 gal)
- 500-hour oil change interval deep pan
- Cat® Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel housing with SAE No. 18 flywheel (136 teeth)
- Counterclockwise rotation from flywheel end



## STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air filter
- SCAC and JW shunt tanks
- 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
- SRMP 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>	3038 mm	119.6 in
<b>(2) Width</b>	1411 mm	55.6 in
<b>(3) Height</b>	1648 mm	64.9 in
<b>Weight, Net Dry (approx)</b>	4421 kg	9747 lb

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

## MARINE ENGINE PERFORMANCE

60 Hz

U.S. EPA Tier 3 & IMO II – EM1464-00

U.S. EPA Tier 3 & IMO II – EM1465-00

% Load	U.S. EPA Tier 3 & IMO II – EM1464-00					U.S. EPA Tier 3 & IMO II – EM1465-00				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	430	624	32.2	465	220.2	565	803	40.4	599	214.0
75	323	468	24.5	349	223.3	424	603	30.1	449	212.4
50	215	312	17.5	232	238.9	283	402	21.3	300	226.0
25	108	156	10.3	116	281.9	141	201	12.3	150	260.1
10	43	62	5.3	47	359.6	57	80	6.4	60	337.6

\*ekW ratings are with fan

### OPTIONAL ATTACHMENTS

- Cat alarm and protection system
- EMCP 4.2 control panel
- MGCP III B control panel
- Generator protection – IP44
- Generator service side – LH, RH
- Generator terminal box extension
- Load sharing module (option for type approved module)
- Exhaust elbows, dry or watercooled
- Exhaust flange and flexible fitting
- Mufflers (option for spark arresting)
- Air inlet adapter
- Fumes disposal (closed system)
- Battery charger 10 amp
- Battery sets – 24V 950-1300 CCA
- Charging alternator 24V 105 amp
- Duplex fuel filter – front service
- Fuel cooler
- Primary fuel/water separator
- Spare pump kits
- Duplex oil filter – front service
- Manual sump pump
- Power take-offs
- Starting motors – electric and/or air
- Jacket water heaters