

# C18 ACERT™

## MARINE GENERATOR SET PACKAGE

425 ekW      465 bkW      1800 rpm  
550 ekW      599 bkW      1800 rpm



Image shown  
may not reflect  
actual engine

### SPECIFICATIONS

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

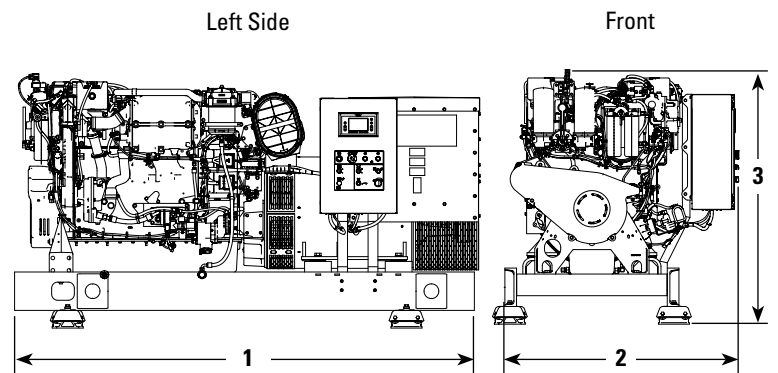
- EPA Tier 3/IMO II compliant
- 18.0 L (1098 cu in) displacement
- 60 hz 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
  - Cooling system: 45 L (12 gal)
  - 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



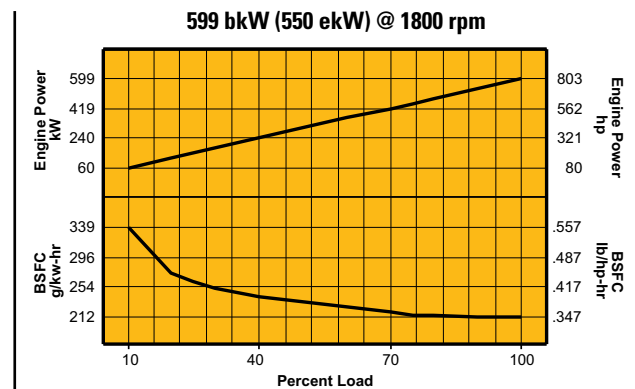
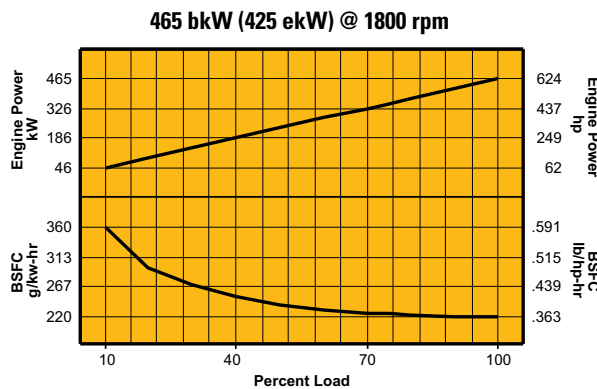
#### ENGINE DIMENSIONS & WEIGHT

<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

% Load	Prime Rating – EM0129-00					Prime Rating – EM0128-00				
	ekW	bhp	g/hr	bkW	g/bkW-hr	ekW	bhp	g/hr	bkW	g/bkW-hr
100	425	624	32.2	465	220	550	803	40.2	599	212
75	319	468	24.5	349	223	413	603	30.3	449	214
50	213	312	17.5	233	239	275	402	22.0	300	234
25	106	156	10.3	116	282	138	201	12.3	150	261
10	43	62	5.3	47	360	55	80	6.4	60	339



### 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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