

C18 ACERT™

MARINE GENERATOR SET PACKAGE

345 ekW 372 bkW 1800 rpm
430 ekW 465 bkW 1800 rpm



Image shown may not reflect actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

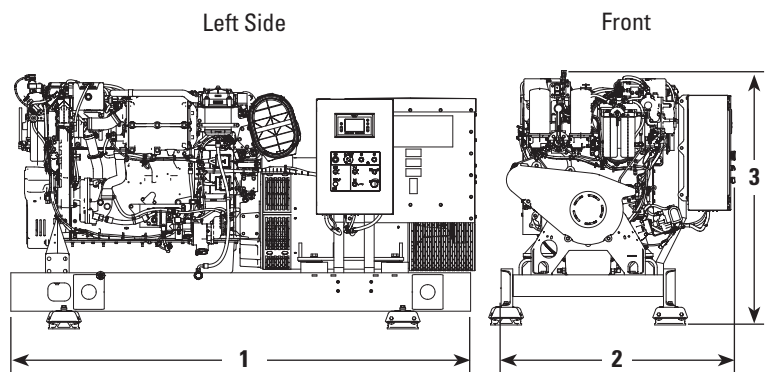
- IMO II certified
- 18.0 L (1098 cu in) displacement
- 60 hz 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Cooling system refill capacity
 - Jacket water: 43 L (11.4 gal) 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

(1) Length	3038 mm	119.6 in
(2) Width	1411 mm	55.6 in
(3) Height	1648 mm	64.9 in
Weight, Net Dry (approx)	4421 kg	9747 lb

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

MARINE ENGINE PERFORMANCE

60 Hz

% Load	IMO II – EM1466-00					IMO II – EM1460-00				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	345	499	25.4	372	216.6	430	624	31.5	465	215.1
75	259	374	20.2	279	229.4	323	468	24.5	349	223.3
50	173	249	13.4	186	228.0	215	312	16.3	232	223.2
25	86	125	7.7	93	261.3	108	156	9.0	116	245.9
10	35	50	4.8	37	413.8	43	62	5.3	47	362.6

*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