

C18 ACERT™

MARINE GENERATOR SET PACKAGE

350 ekW	383 bkW	1500 rpm
400 ekW	438 bkW	1500 rpm
450 ekW	492 bkW	1500 rpm



Image shown
may not reflect
actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

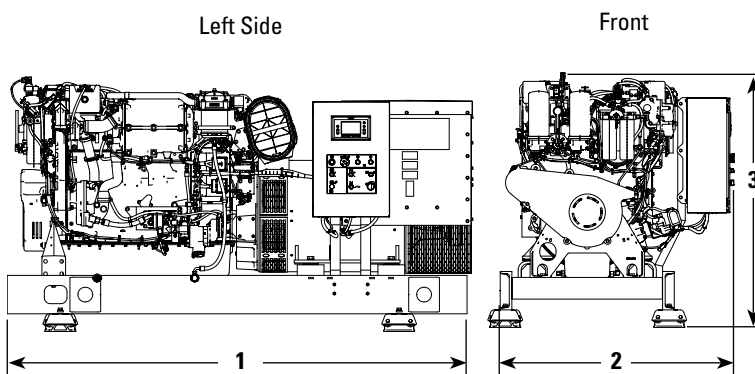
- IMO II compliant
- 18.0 L (1098 cu in) displacement
- 50 hz 1500 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - Lube oil 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

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

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

MARINE ENGINE PERFORMANCE

Prime Rating – EM0091-01

% Load	ekW	bhp	g/hr	bkW	g/bkW-hr
100	350	514	25.2	383	209
75	263	385	19.0	287	211
50	175	257	13.1	192	217
25	88	129	7.3	96	241
10	10	51	4.2	38	347

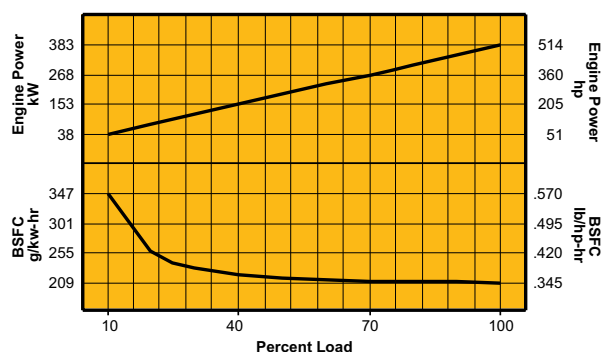
Prime Rating – EM0092-01

% Load	ekW	bhp	g/hr	bkW	g/bkW-hr
100	400	587	28.7	438	208
75	300	441	21.8	329	211
50	200	294	14.8	219	214
25	100	147	8.9	110	258
10	40	59	4.6	44	335

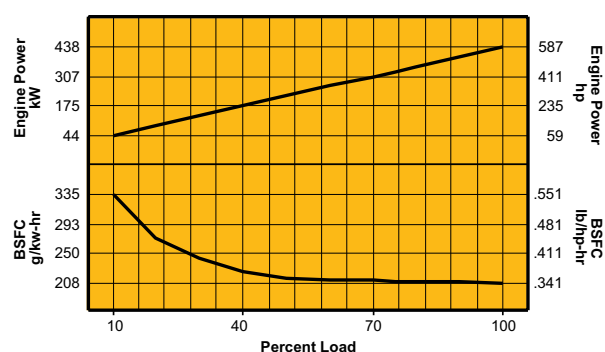
Prime Rating – EM0093-01

% Load	ekW	bhp	g/hr	bkW	g/bkW-hr
100	450	660	32.3	492	209
75	338	495	24.3	369	209
50	225	330	16.5	246	214
25	113	165	9.3	123	241
10	45	66	4.8	49	313

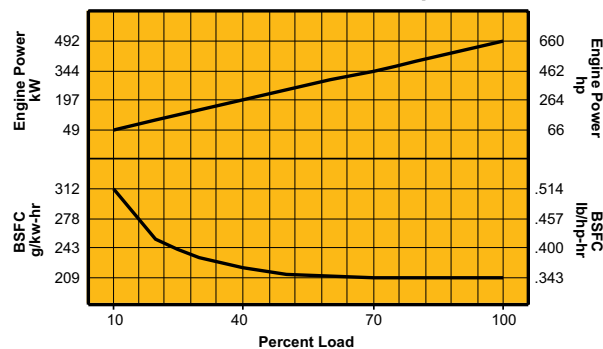
383 bkW (350 ekW) @ 1500 rpm



438 bkW (400 ekW) @ 1500 rpm



492 bkW (450 ekW) @ 1500 rpm



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U.S. Sourced
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