

C18 ACERT™

MARINE GENERATOR SET PACKAGE

275 ekW	301 bkW	1500 rpm
350 ekW	383 bkW	1500 rpm
400 ekW	438 bkW	1500 rpm
450 ekW	492 bkW	1500 rpm

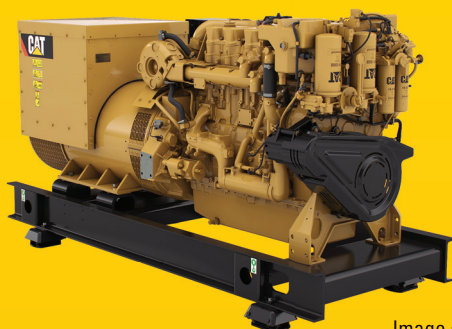


Image shown
may not reflect
actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

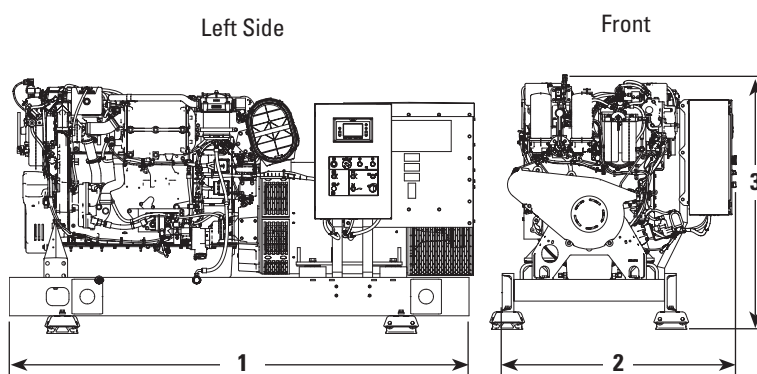
- IMO II certified
- 18.0 L (1098 cu in) displacement
- 50 hz 1500 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - Lube oil system: 68 L (18 gal) deep pan
- 500-hour oil change interval deep pan
- 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
- 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

IMO II – EM0888-01						IMO II – EM0091-08				
% Load	ekW	bhp	g/hr	bkW	g/bkW-hr	ekW	bhp	g/hr	bkW	g/bkW-hr
100	275	403	19.9	301	209.6	350	514	25.2	383	209.0
75	206	303	15.1	226	213.0	263	385	19.0	287	210.3
50	138	202	10.6	150	223.3	175	257	13.1	192	216.9
25	69	101	6.3	75	267.3	88	128	7.3	96	240.8
10	28	40	3.8	30	396.0	35	51	4.2	38	346.6

IMO II – EM0092-07						IMO II – EM0093-06				
% Load	ekW	bhp	g/hr	bkW	g/bkW-hr	ekW	bhp	g/hr	bkW	g/bkW-hr
100	400	587	28.7	438	208.0	450	660	32.3	492	208.7
75	300	441	21.8	329	211.2	338	495	24.3	369	209.3
50	200	294	14.8	219	214.1	225	330	16.5	246	213.5
25	100	147	8.9	110	257.6	113	165	9.3	123	241.0
10	40	59	4.6	44	335.2	45	66	4.8	49	312.5

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)