

C18 ACERT™

MARINE GENERATOR SET PACKAGE

340 ekW	372 bkW	1800 rpm
425 ekW	465 bkW	1800 rpm
550 ekW	599 bkW	1800 rpm

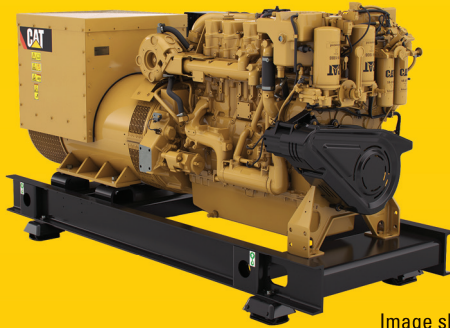


Image shown
may not reflect
actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

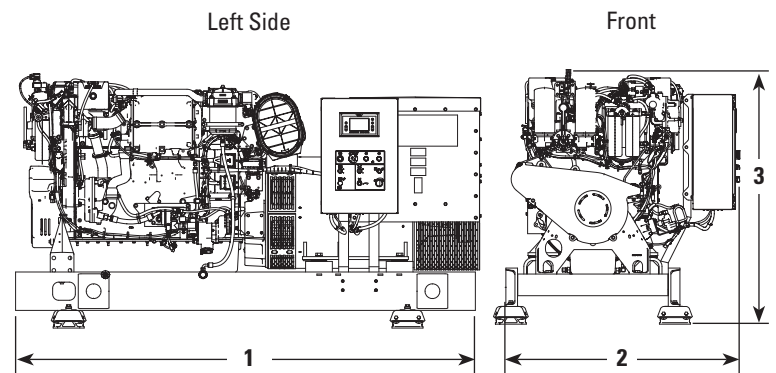
- U.S. EPA Tier 3/IMO II certified
- 18.0 L (1098 cu in) displacement
- 60 hz 1800 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - 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 – EM0887-01						IMO II – EM0090-06				
% Load	ekW	bhp	g/hr	bkW	g/bkW-hr	ekW	bhp	g/hr	bkW	g/bkW-hr
100	340	499	25.4	372	216.6	425	624	31.5	465	215.1
75	255	374	20.2	279	229.4	319	468	24.5	349	223.3
50	170	249	13.4	186	228.0	213	312	16.3	232	223.2
25	85	125	7.7	93	261.3	106	156	9.0	116	245.9
10	34.0	50	4.8	37	413.8	43	62	5.3	47	362.6

U.S. EPA T3 & IMO II – EM0128-04						U.S. EPA T3 & IMO II – EM0129-00				
% Load	ekW	bhp	g/hr	bkW	g/bkW-hr	ekW	bhp	g/hr	bkW	g/bkW-hr
100	550	803	40.4	599	214.0	425	624	32.2	465	220
75	413	603	30.1	449	212.4	319	468	24.5	349	223
50	275	402	21.3	300	226.0	213	312	17.5	232	239
25	138	201	12.3	150	260.1	106	156	10.3	116	282
10	55	80	6.4	60	337.6	43	62	5.3	47	360

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)