

C18 ACERT™

MARINE GENERATOR SET PACKAGE

315 ekW	372 bkW	1800 rpm
400 ekW	438 bkW	1800 rpm
525 ekW	574 bkW	1800 rpm

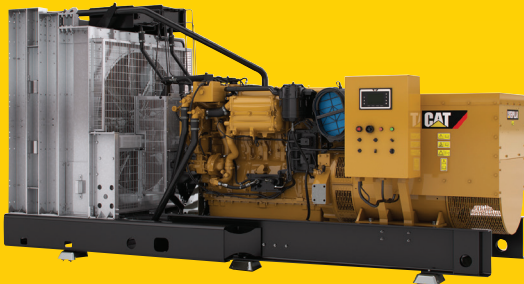


Image shown may not reflect actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

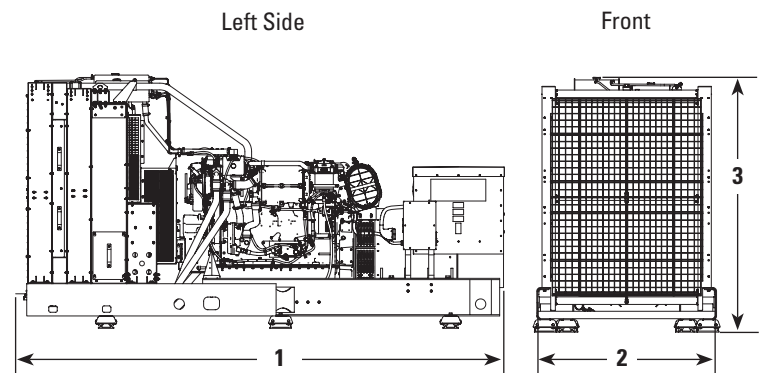
- U.S. EPA Tier 3/IMO II certified
- 18.0 L (1098 cu in) displacement
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Radiator cooled
- Refill capacity
 - Cooling system: 45 L (12 gal)
 - Lube oil system: 68 L (18 gal) deep pan
- 500-hour 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
- SCAC and JW shunt tanks with sight glass
- 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	4619.0 mm	181.9 in
(2) Width	1698.7 mm	66.9 in
(3) Height	2408.3 mm	94.8 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

60 Hz

% Load	IMO II – EM0887-01					IMO II – EM0090-06				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	315	499	25.4	372	216.6	400	624	31.5	465	215.1
75	236	374	20.2	279	229.4	300	468	24.5	349	223.3
50	158	249	13.4	186	228.0	200	312	16.3	232	223.2
25	79	125	7.7	93	261.3	100	156	9.0	116	245.9
10	32	50	4.8	37	413.8	40	62	5.3	47	362.6

60 Hz

% Load	U.S. EPA Tier 3 & IMO II – EM0129-04					U.S. EPA Tier 3 & IMO II – EM0128-04				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	400	624	32.2	465	220.2	525	803	40.4	599	214.0
75	300	468	24.5	349	223.3	394	603	30.1	449	212.4
50	200	312	17.5	232	238.9	263	402	21.3	300	226.0
25	100	156	10.3	116	281.9	132	201	12.3	150	260.1
10	40	62	5.3	47	359.6	53	80	6.4	60	337.6

*ekW ratings are with fan

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
- EMCP 3.2 control panel
- 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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U.S. Sourced
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