

C18 ACERT™

MARINE GENERATOR SET PACKAGE

280 ekW	301 bkW	1500 rpm
360 ekW	383 bkW	1500 rpm
410 ekW	438 bkW	1500 rpm
465 ekW	492 bkW	1500 rpm

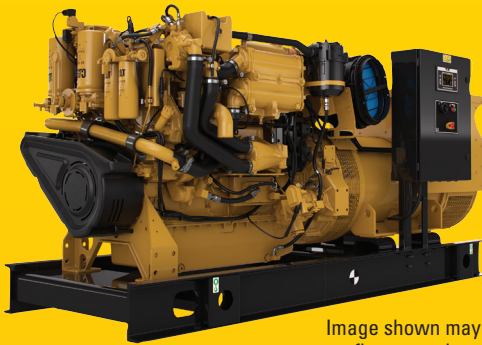


Image shown may not reflect actual engine

SPECIFICATIONS

I-6, 4-Stroke-Cycle-Diesel

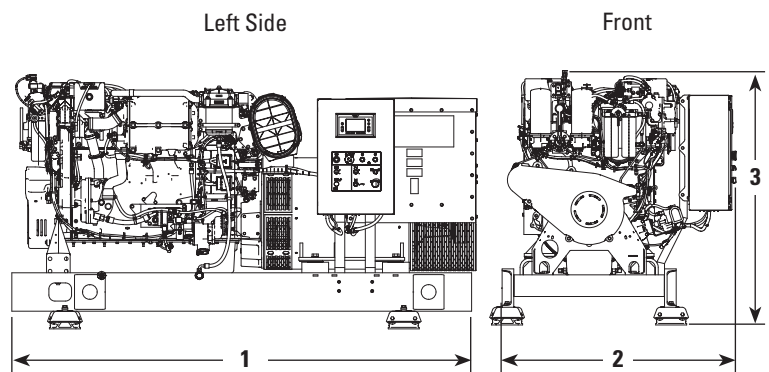
- IMO II certified
- 18.0 L (1098 cu in) displacement
- 50 hz 1500 rpm rated engine speed
- 145 mm (5.7 in) bore x 183 mm (7.2 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Cooling system refill capacity
 - Jacket water: 43 L (11.4 gal) 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

50 Hz

% Load	IMO II – EM1467-00					IMO II – EM1461-00				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	280	403	19.9	301	209.6	360	514	25.2	383	209.0
75	210	303	15.1	226	213.0	270	385	19.0	287	210.3
50	140	202	10.6	150	223.3	180	257	13.1	192	216.9
25	70	101	6.3	75	267.3	90	128	7.3	96	240.8
10	28	40	3.8	30	396.0	36	51	4.2	38	346.6

50 Hz

% Load	IMO II – EM1462-00					IMO II – EM1463-00				
	ekW*	bhp	g/hr	bkW	g/bkW-hr	ekW*	bhp	g/hr	bkW	g/bkW-hr
100	410	587	28.7	438	208.0	465	660	32.3	492	208.7
75	308	441	21.8	329	211.2	349	495	24.3	369	209.3
50	205	294	14.8	219	214.1	233	330	16.5	246	213.5
25	103	147	8.9	110	257.6	116	165	9.3	123	241.0
10	41	59	4.6	44	335.2	47	66	4.8	49	312.5

*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

CAT, CATERPILLAR, their respective logos, ACERT, MEUI, “Caterpillar Yellow”, the “Power Edge” trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.