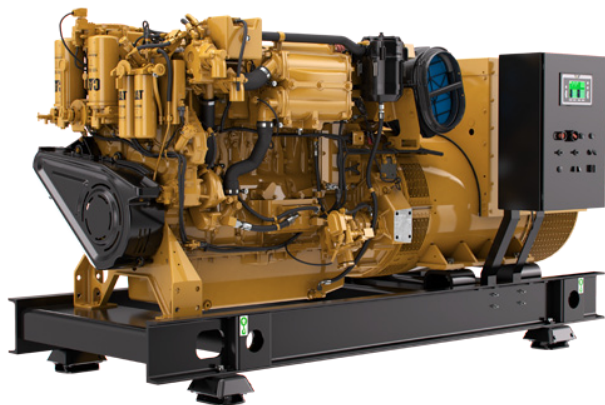


# C18

## MARINE GENERATOR SET

465 bkW (625 bhp) @ 1800 rpm (60 Hz)



C18 Marine Generator Set  
U.S. EPA Tier 3 / IMO II  
Image may not reflect actual product.

### ENGINE SPECIFICATIONS

#### Configuration

In-line 6, 4-stroke-cycle diesel

#### Emissions

U.S. EPA Tier 3 / IMO II  
emissions certified

#### Rated Engine Speed

1800 rpm

#### Bore x Stroke

145 mm x 183 mm / 5.7 in x 7.2 in

#### Displacement

18 Liter  
1098 cu in

#### Aspiration

Turbocharged-aftercooled  
aspiration

#### Governor

Electronic (A4 ECM)

#### Refill Capacity

Lube Oil System w/Oil filter change:  
68 L (18 gal)

#### Oil Change Interval

500 hrs

#### Cooling

Heat exchanger, keel or radiator cooled

#### Generator

SRMP - Random Wound

### FEATURES AND BENEFITS

- Separate-circuit aftercooling – no sea water in aftercooler
- Reliable electronic controlled unit injector fuel system
- Enhanced control of fuel injection optimized through crank timing and A4 ECM technology
- Advanced combustion technology to optimize fuel consumption and meet emissions without aftertreatment
- Industry leading power reserve
- Wide range of available Marine Society certifications
- Industry-leading warranty coverage for factory packaged components
- Global dealer network for service in any location

### STANDARD ENGINE EQUIPMENT

- Separate circuit aftercooled (SCAC)
- Heavy-duty inlet air filter
- Heat exchanger or keel cooling
- Watercooled exhaust manifold and turbocharger
- 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
- Electronic diagnostics and fault logging
- IP23, air cooled, random wound SRMP generator offered in 440, 480, and 690V
- High deflection inclined rubber isolated mounting for vibration and structure borne noise reduction

### OPTIONAL ATTACHMENTS

- Starting motors – electric, air, or dual
- Charging alternator
- Duplex oil and fuel filters, front service
- Primary fuel/water separator, fuel cooler
- EMCP 4.2 control panel
- MGCP II or MGCP IIIB control panel with Cat Alarm and Protection System
- Closed crankcase fumes disposal
- Power take-offs
- IP44 generator protection

### AUXILIARY RATING DEFINITION

All Cat Marine Auxiliary engines and generator sets are rated for prime power for continuous electric service according to ISO 8528-1.

Hours per Year	Unlimited
Load Factor	≤ 70%
Overload Capacity	+ 10%
	maximum of 1 hour in 12
	maximum of 25 hours per year

**BUILT FOR IT.™**



# TECHNICAL DATA

## C18 Marine Generator Set

### FUEL CONSUMPTION - CONSTANT SPEED

%Power	Brake Specific Fuel Consumption 465 bkW (624 bhp) @ 1800 rpm				
	ekW	bhp	lb/bhp-hr	bkW	g/bkW-hr
100	430	624	0.354	465	215.1
90	387	562	0.360	419	219.1
80	344	499	0.366	372	222.7
70	301	437	0.367	326	223.4
60	258	374	0.366	279	222.8
50	215	311	0.367	232	223.2
40	172	249	0.373	186	227.0
30	129	187	0.388	139	236.3

- ISO 3046/1 fluid consumption tolerance of +5%

Note:  
Consult your local Cat dealer to create a customized engine TCO (Total Cost of Ownership) analysis specific to your vessel. Dealers (only): Please reference TMI Web for most current information.

### DIMENSIONS & WEIGHT

	Length (1)	Height (2)	Width (3)	Engine dry weight
min.	126.1 in/3202 mm	61.4 in/1559 mm	52.8 in/1340 mm	9747 lb/4421 kg
max.	189.2 in/4805 mm	90.5 in/2298 mm	66.9 in/1699 mm	12922 lb/5861 kg

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

