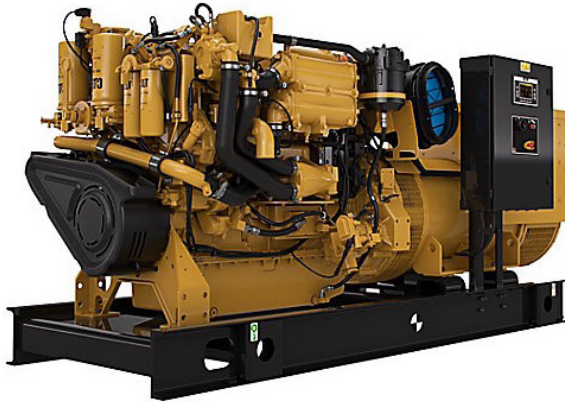


# C18 Marine Auxiliary Genset

## Commercial Applications



### ENGINE SPECIFICATIONS

<b>CONFIGURATION</b>	Inline 6, 4-Stroke Diesel	<b>BORE X STROKE</b>	145 mm (5.7 in) x 183 mm (7.2 in)
<b>EMISSIONS</b>	IMO II, U.S. EPA Tier 3, China Stage II, EU Stage V	<b>REFILL CAPACITY LUBE OIL SYSTEM W/OIL FILTER CHANGE</b>	68 L (18 gal) Deep Pan
<b>RATED ENGINE SPEED</b>	1500 / 1800 / 2100 rpm	<b>OIL CHANGE INTERVAL</b>	250 / 500 hours
<b>DISPLACEMENT</b>	18.1 L (1106 cu in)	<b>ROTATION (FROM FLYWHEEL END)</b>	Counterclockwise
<b>ASPIRATION</b>	Turbocharged – Aftercooled	<b>COOLING</b>	Heat Exchanger, Keel, or Radiator Cooled
<b>GOVERNOR</b>	Electronic		
<b>FLYWHEEL HOUSING</b>	SAE No. 0 (136 teeth)		

### KEY FEATURES & BENEFITS

- Electronic control system provides rapid torque and throttle response at low speeds, while maintaining fuel efficiency at high speeds
- Compatible with all Cat® displays for seamless vessel integration
- Load sharing compatible
- Available remote-mounted display panel with start, stop, and engine diagnostics
- Wide range of available Marine Society certifications

### STANDARD EQUIPMENT

- Separate circuit aftercooler (SCAC)
- Heat exchanger, keel, or radiator cooling
- Engine mounted SCAC and Jacket Water shunt tanks
- Watercooled exhaust manifold and turbocharger
- Center sump oil pan
- Oil and Fuel Filter service located on the front of the engine
- MEUI fuel system
- Adjustable front mounting supports
- Electronic controls
- Front vibration damper and guard

### OPTIONAL ATTACHMENTS

- Alternators – 24 V 75 or 105 A
- Closed crankcase ventilation
- Control Panels
- Load sharing
- Marine Classed Alarm and Protection
- Single Electric (24 V), Single Air, or combined air/electric dual starting
- Fuel Cooler
- PTO Drives – V-belt pulleys and stub shaft
- Duplex fuel and oil filters
- Jacket water heaters 120/240 V

# RATINGS & FUEL CONSUMPTION

## GENERATOR SETS

ekW@.8pf	kVA	Hz	RPM	U.S. g/H	g/bkW-h	IMO	U.S. EPA	EU	China
280	350	50	1500	19.4	205.9	II	NC	NC	NC
360	450	50	1500	24.5	205.4	II/III	NC	EU V <sup>1</sup>	NC
410	513	50	1500	27.9	204.5	II/III	NC	NC	NC
425	531	50	1500	28.2	197.3	III	NC	EU V <sup>1</sup>	NC
465	581	50	1500	31.4	205.4	II/III	NC	NC	C-II
345	431	60	1800	24.7	213.3	II	NC	NC	C-II
430	538	60	1800	30.6	211.3	II/III	T3C	EU V <sup>1</sup>	C-II
545	681	60	1800	37.4	210.7	NC	T3C	NC	NC
565	706	60	1800	39.9	214.1	II/III	NC	EU V <sup>1</sup>	C-II
260R	325	50	1500	19.4	205.9	II	NC	NC	NC
335R	419	50	1500	24.5	205.4	II/III	NC	NC	NC
390R	486	50	1500	27.9	204.5	II	NC	NC	C-II
445R	556	50	1500	31.4	205.4	II/III	NC	NC	C-II
310R	388	60	1800	24.7	213.3	II	NC	NC	C-II
395R	494	60	1800	30.6	211.3	II	T3C	NC	C-II
510R	637	60	1800	37.4	210.7	NC	T3C	NC	NC
530R	663	60	1800	39.9	214.1	II/III	NC	NC	C-II

IMO III and EU Stage V require exhaust aftertreatment

### Rating Definition Generator Sets and Auxiliary Engines:

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 12, maximum of 25 hours per year.

## ENGINE DIMENSIONS & WEIGHT

**LENGTH (APPROX.)** 119.7 in / 3040 mm

**HEIGHT (APPROX.)** 66.3 in / 1684 mm

**WIDTH (APPROX.)** 60.9 in / 1547 mm

**DRY WEIGHT (APPROX.)** 8733 - 9974 lb / 3951 - 4524 kg

