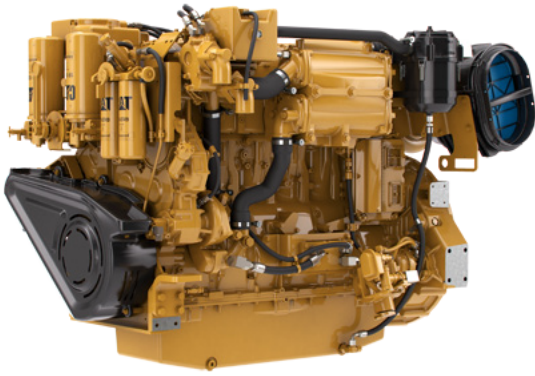


# C18

## MARINE AUXILIARY / DIESEL ELECTRIC PROPULSION ENGINE

465 bkW (624 bhp) @ 1800 rpm (60 Hz)



C18 Marine Auxiliary Engine/DEP  
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:  
49 L (13 gal) - shallow pan  
68 L (18 gal) - deep pan

#### Oil Change Interval

250 hrs - shallow pan  
500 hrs - deep pan

#### Cooling

Heat exchanger or keel cooled

#### Flywheel Housing

SAE No. 0 with SAE  
No. 18 flywheel (136 teeth)

#### Rotation

Counterclockwise from flywheel end

### 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 the 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
- Deep or shallow sump oil pan
- 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
- Front support adjustable mounting system
- Front damper guard
- Customer wiring and service tool connector

### OPTIONAL ATTACHMENTS

- Starting motors – electric or air
- Charging alternator
- Duplex oil filters, front service
- Duplex fuel filters, front service
- Primary fuel/water separator, fuel cooler
- MECP 1 control panel
- MGCP II or MGCP IIIB control panel with Cat Alarm and Protection System
- Closed crankcase fumes disposal
- Power take-offs

### 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 Auxiliary Engine/DEP

### FUEL CONSUMPTION - VARIABLE SPEED AUXILIARY (PRIME)

Brake Specific Fuel Consumption 465 bkW (624 bhp) @ 1800 rpm				
%Power	bhp	lb/bhp-hr	bkW	g/bkW-hr
100	624	0.362	465	220.2
90	561	0.362	418	220.1
80	499	0.364	372	221.3
70	437	0.371	326	225.5
60	374	0.380	279	231.1
50	312	0.393	232	238.9
40	249	0.412	186	250.4
30	187	0.443	140	269.3

- 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.	73.3 in/1863 mm	50.1 in/1273 mm	40.6 in/1031 mm	3988 lb/1809 kg
max.	73.3 in/1863 mm	53.0 in/1348 mm	44.1 in/1120 mm	4215 lb/1912 kg

Note:

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

