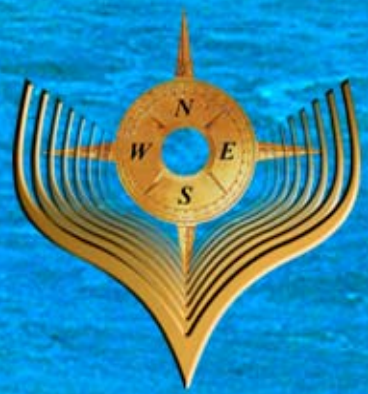


# C9 Specifications

## Basic design features include:

- Bore - 112 mm (4.41 in)
- Stroke - 149 mm (5.87 in)
- Displacement - 8.8 L (538 cu.in)
- Dry Weight – 947 kg (2,088 lb)



# C9 Specifications

## Dimensions

### LENGTH

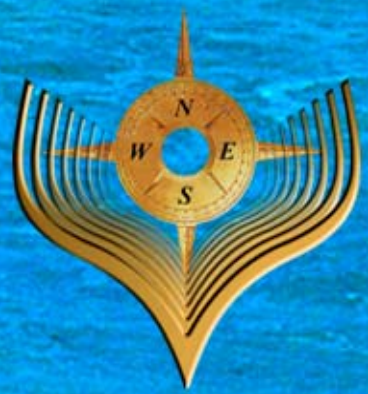
- Overall— 1400.6 mm (55.14 in)
- Front to rear face of block— 1066.5 mm (41.99 in)
- Front to back of flywheel housing— 1198 mm (47.17 in)

### WIDTH

- Overall— 974 mm (38.3 in)
- Crankshaft centerline to left side— 484.6 mm (19.08 in)
- Crankshaft centerline to right side— 488.9 mm (19.25 in)

### HEIGHT

- Overall— 982.6 mm (38.68 in)
- Crankshaft centerline to top of engine— 666.9 mm (26.26 in)
- Crankshaft centerline to bottom of oil pan— 315.7 mm (12.43 in)



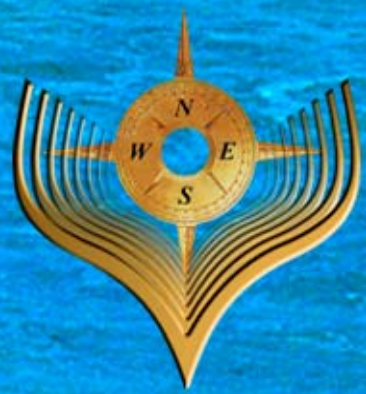
# C9 Specifications

## Refill Capacities

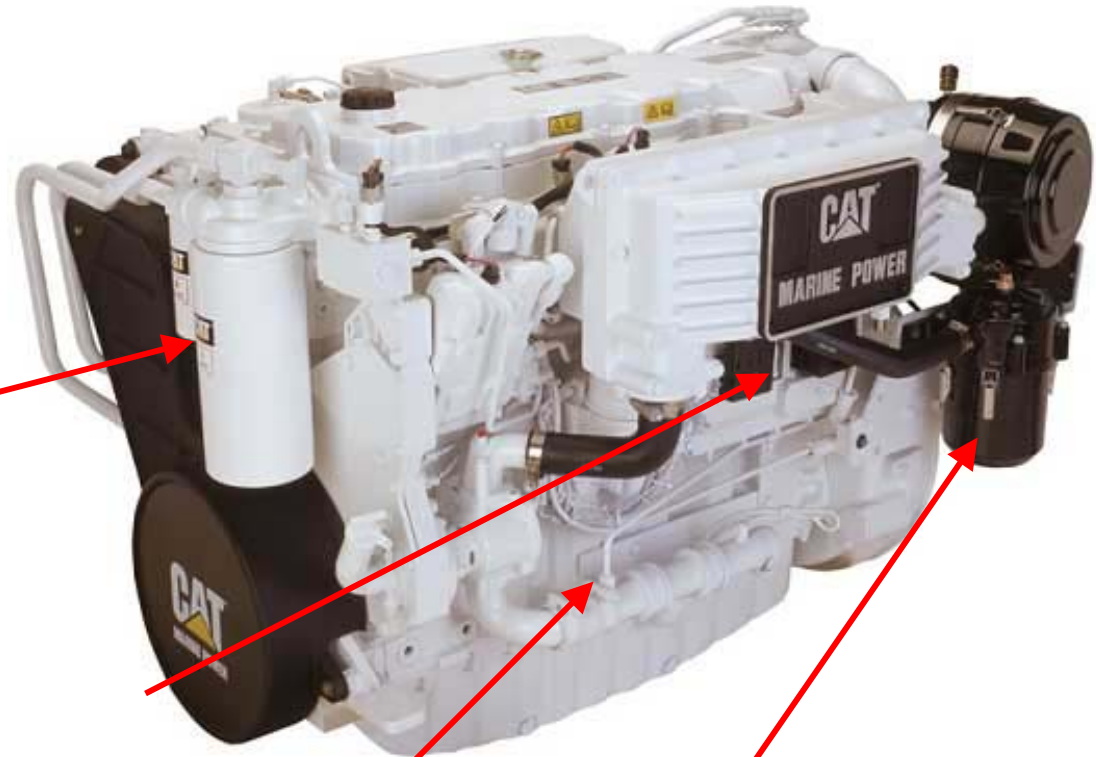
- Lubrication System
  - 31.5L (33.3 qt)
- Cooling System
  - 43L (11.4 gal)

## Oil Change Interval

- 250 Service Hours or 7100L (1875 gal)



# C9 Components

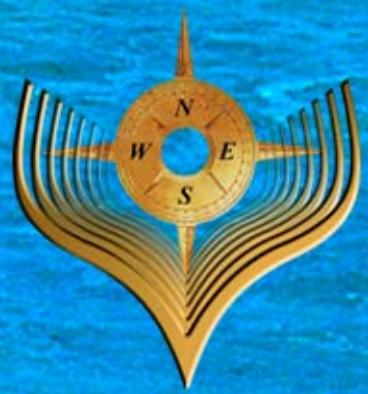


Front mount oil  
and fuel filters

Air-Cooled ADEM III  
ECM

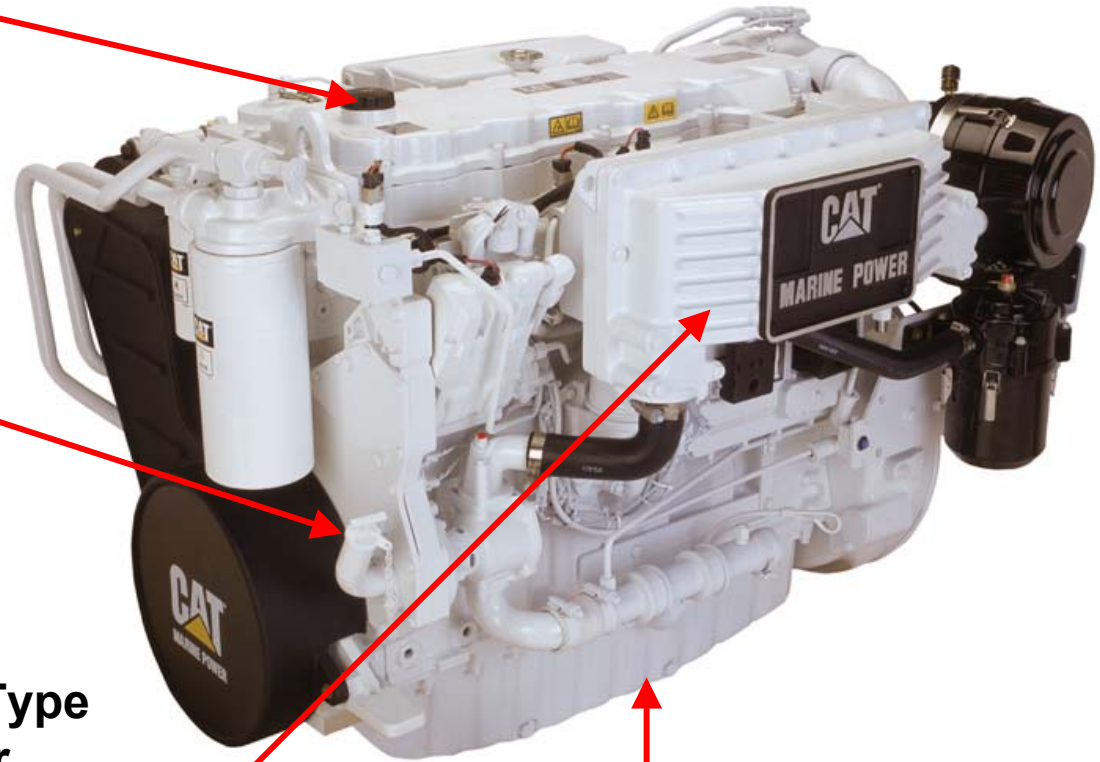
Optional Fuel Cooler

Serviceable CCV system  
(750 hour minimum filter life)



# C9 Components

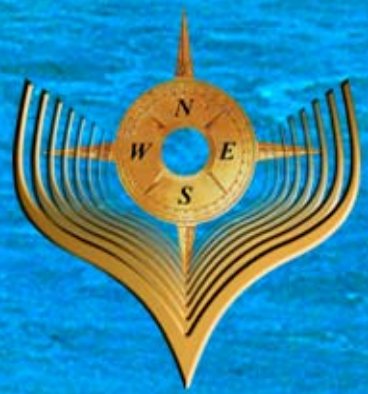
LH or RH oil fill  
AND top of  
valve cover fill  
standard



Bar-Plate Type  
Aftercooler

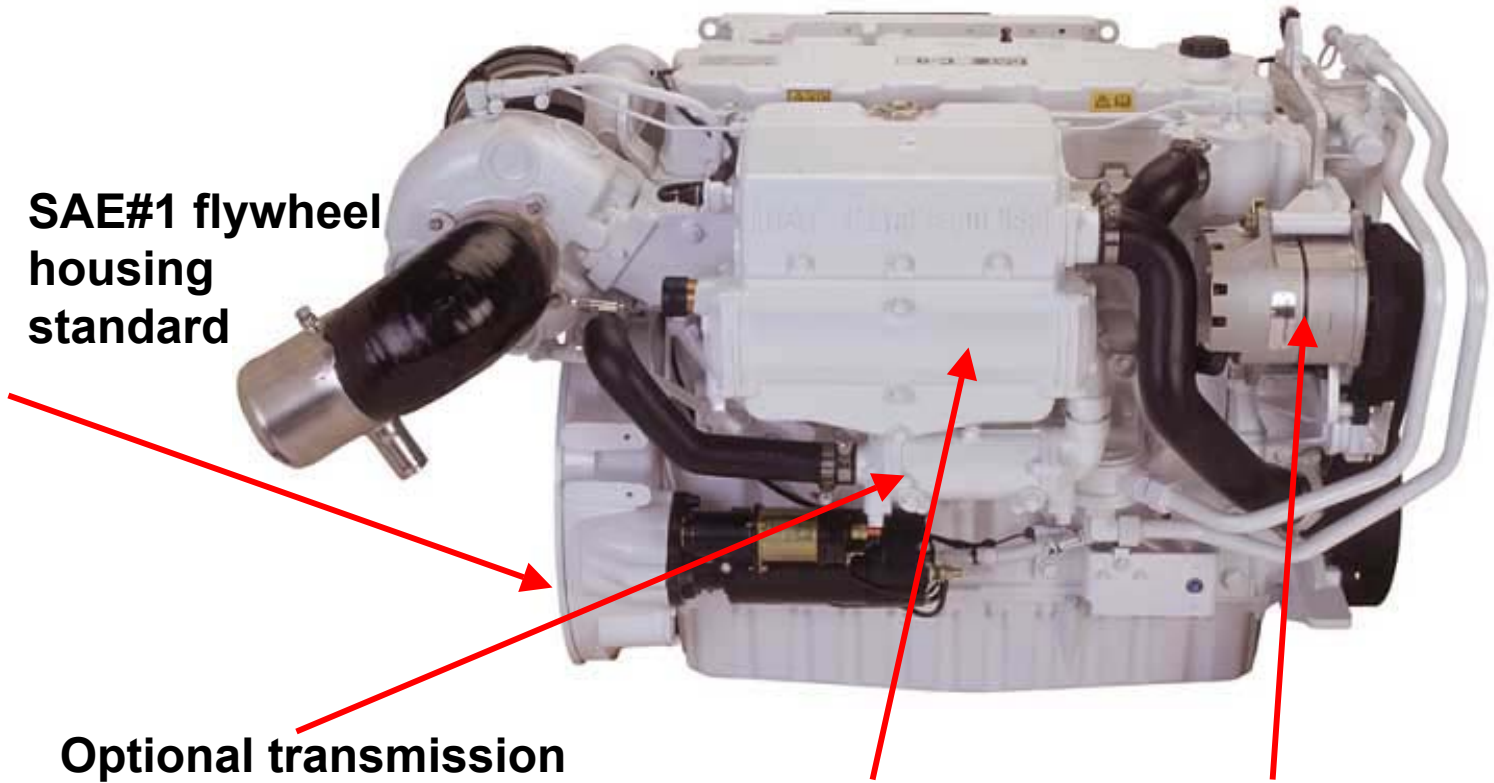


High capacity (32 L) oil pan w/  
scalloped side for extra clearance  
LH or RH



# C9 Components

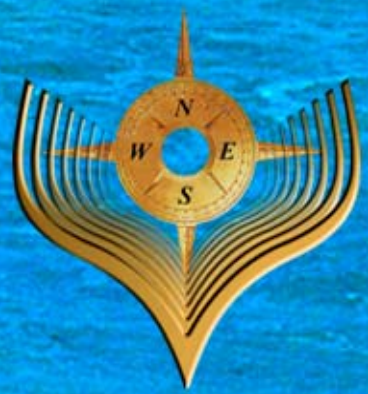
**SAE#1 flywheel housing standard**



**Optional transmission cooler (tandem mount auxiliary cooler also optional)**

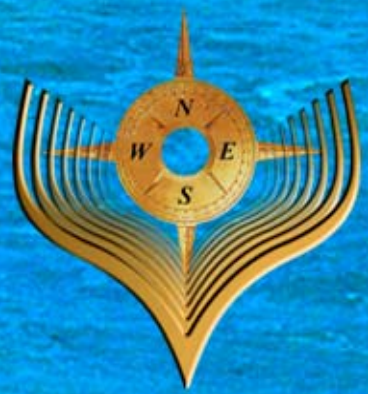
**One-piece cast heat exchanger housing with an integral expansion tank. Bundled tube core.**

**Large frame alternator high mounted to avoid clearance problems**



# C9 Performance

- 510 mhp @ 2500rpm
- 510 mhp reserve down to 2000 rpm
- 8 to 10 sec. time to plane acceleration
- 222 g/kW-hr rated BSFC (26.2 gal/hr burn rate)
- 16.2:1 compression ratio to eliminate white smoke
- DM7284



# C9 Power Curve

