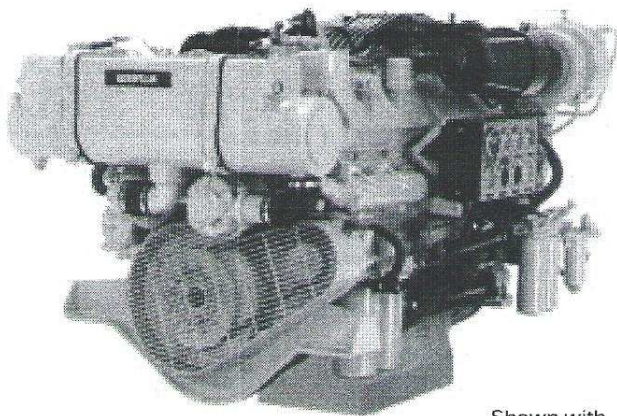


CATERPILLAR®

Marine Engine

3412C

1007 bkW/1350 bhp
2300 rpm



Shown with
Accessory Equipment

CATERPILLAR® ENGINE SPECIFICATIONS

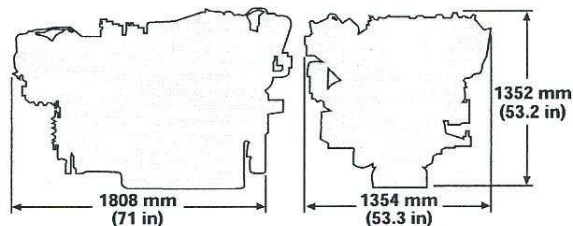
V-12, 4-Stroke-Cycle-Diesel

Bore—mm (in)	137 (5.4)
Stroke—mm (in)	152 (6.0)
Displacement—L (cu in)	27 (1649)
Rotation (from flywheel end)	Counterclockwise
Compression Ratio	14.1:1
Capacity for Liquids—L (U.S. gal)	
Cooling System (engine only)	83 (22)
Lube Oil System (refill)	72 (19.0)
Oil Change Interval	19 000 (5000)/fuel
Engine Weight, Net Dry (approx)—	
kg (lb)	2313 (5100)
Governor	Electronic

STANDARD EQUIPMENT

- Air Intake
 - aftercooler core, air cleaner (closed crankcase fumes disposal system)
- Cooling
 - oil cooler, thermostats, sea water and jacket water pumps
- Exhaust
 - watercooled manifold and turbocharger
- Flywheel and Housing SAE No. 1
- Fuel
 - priming and transfer pumps, filter, flexible fuel lines
- Governor
 - hydramechanical
- Instruments and gauges
 - fuel pressure, oil pressure, water temperature, service meter

DIMENSIONS



Power produced at the flywheel will be within standard tolerances up to 50° C (122° F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52° C (125° F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.



RATING DEFINITIONS AND CONDITIONS

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO3046/1, DIN6271, and BS5514 conditions of 100 kPa (29.61 in Hg), 27° C (81° F), and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16° C (60° F)] gravity having an LHV of 42 780 kJ/kg (18 390 Btu/lb) when used at 29° C (85° F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.