



3412C

730 mhp (720
bhp) 537 kW

MARINE PROPULSION



Image shown may not reflect
actual Engine

STANDARD ENGINE EQUIPMENT

Air Inlet System

Corrosion resistant aftercooler core, regular duty panel type air cleaner, air cleaner inlet adapter, turbocharger inlet

Cooling System

Gear-driven centrifugal jacket water pump, expansion tank, engine oil cooler, thermostats and housing, transmission oil cooler

Exhaust System

Watercooled exhaust manifold and turbocharger, dry elbow and flange

Fuel System

Fuel filter - RH service, fuel transfer pump, fuel priming pump, flexible lines, fuel ratio control

SPECIFICATIONS

V-12, 4-Stroke-Cycle-Diesel

| | |
|--|-------------------------------------|
| Emissions | IMO |
| Displacement | 27.03 L (1,649.47 in ³) |
| Rated Engine Speed | 1800 |
| Bore | 137.2 mm (5.4 in) |
| Stroke | 152.4 mm (6.0 in) |
| Aspiration | Turbocharged-Aftercooled |
| Governor | Mechanical |
| Cooling System | Keel |
| Weight, Net Dry (approx.) | 2,415 kg (5,324 lb) |
| Refill Capacity | |
| Cooling System | 67.0 L (17.7 gal) |
| Lube Oil System | 139.0 L (36.7 gal) |
| Oil Change Interval | 500 hrs |
| Caterpillar Diesel Engine Oil 10W30 or 15W40 | |
| Deep Sump Oil Pan | |
| Rotation (from flywheel end) | Counterclockwise |
| Flywheel and Flywheel Housing | SAE NO. 0 |
| Flywheel Teeth | 136 |

Instrumentation

Heavy-duty SAE standard rotation tachometer drive; RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System

Crankcase breather; oil filter - RH service; oil level gauge - RH service, oil filter in valve cover, deep sump oil pan, manual oil sump pump

Mounting System

Front support

General

Vibration damper and guard, Caterpillar yellow paint, lifting eyes

ISO Certification

Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities

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George Washington Tryon

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Nuclear Science Abstracts ,1951 **Manual of Conchology** ,1885 *Manual of Conchology* George Washington Tryon, Henry Augustus Pilsbry, 1885 *Manual of Conchology; Structural and Systematic* George Washington Tryon, 1885

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