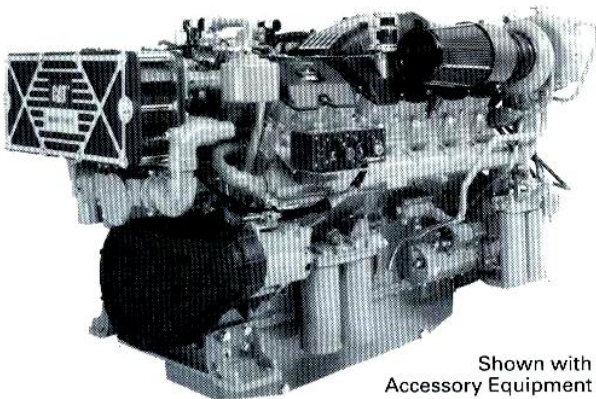


CATERPILLAR®



Shown with
Accessory Equipment

STANDARD ENGINE EQUIPMENT

- Air cleaner
 - closed crankcase fumes recirculation system (for E ratings only), light duty open system (for B, C, and D ratings)
- Air Intake
 - aftercooler core, air cleaner (closed crankcase fumes recirculation system)
- Cooling
 - oil cooler, thermostats, auxiliary sea water and jacket water pumps, heat exchanger
- Exhaust
 - watercooled manifold and turbocharger
- Flywheel and Housing SAE No. 1 (DITTA configurations)
- Flywheel and Housing SAE No. 0 (DITTA side access configurations)
- Fuel
 - secondary filter, priming and transfer pumps, primary fuel filter/water separator
- Governor
 - electronic control system
- Instrumentation — RH on Port, LH on Starboard
 - start/stop control panel — 15A breakers, starter motor magnetic switch, maintenance due light, diagnostic light, warning light, electric service meter, start/stop switch, emergency stop button, water temperature gauge, fuel pressure gauge, oil pressure gauge
- Lubricating
 - oil filter, crankcase breather, dipstick, shallow center sump oil pan (DITTA configurations), deep sump oil pan (DITTA side access configurations)

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.

Marine Engine

3412E

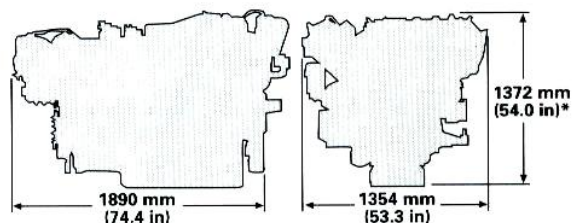
671-1044 bkW/900-1400 bhp
2100-2300 rpm

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	
(heat exchanger cooled)	72.5 (19.1)
Lube Oil System (refill)	
shallow sump	85 (22.5)
deep sump	138 (36.5)
Oil Change Interval	19 000 (5000)/fuel
Engine Weight, Net Dry (approx) —	
kg (lb)	2533 (5585)
Governor	Electronic
Emissions	IMO compliant

DIMENSIONS



* Side Access Configuration has a height of 1437 mm (56.6 in).



