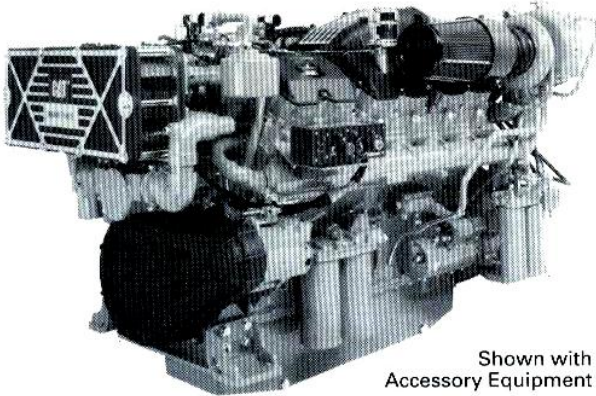


CATERPILLAR®



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

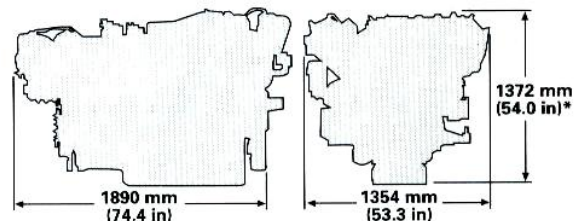
Engine Weight, Net Dry (approx) —

kg (lb) 2533 (5585)

Governor Electronic

Emissions IMO compliant

DIMENSIONS



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



