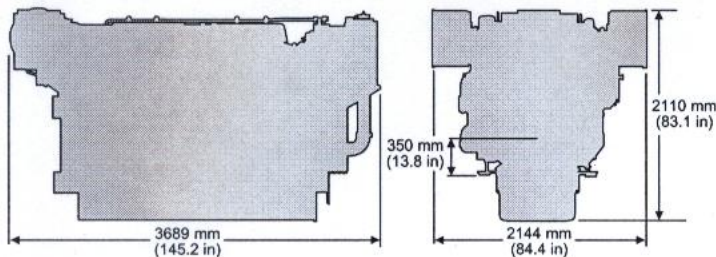


DIMENSIONS



STANDARD EQUIPMENT

Air Inlet System

Air cleaners, regular duty, installed
Dual turbochargers, water-cooled bearing housings, 152 mm (6 in) OD straight connection
Separate circuit aftercooler core, corrosion resistant coating (air side)

Control System

Dual Advanced Diesel Engine Management II modules with electronically controlled unit injectors

Cooling System

Auxiliary fresh water pump
Auxiliary sea water pump, non-self priming (heat exchanger engines only)
Expansion tank, installed
Jacket water pump, gear driven, centrifugal
Oil cooler
Thermostats and housing, full open temperature 92° C (198° F), LH outlet

Exhaust System

Dry gas-tight manifolds with thermo-laminated heat shields
Dual turbochargers with thermo-laminated heat shields
Exhaust outlet, vertical, 292 mm (11.5 in) ID round flanged outlet

Flywheels and Flywheel Housings

Flywheel, SAE No. 00, 183 teeth
Flywheel housing, SAE No. 00

Fuel System

Electronically controlled unit injectors
Fuel filter, RH
Fuel transfer pump

Instrumentation

Electronic instrument panel, RH with analog gauges for: oil and fuel pressure, oil and fuel filter differential, system DC voltage, exhaust and water temperature, fuel pressure, air inlet restriction
digital display for: tachometer, hours, fuel consumption – total and instantaneous

Lube System

Crankcase breather, top mounted
Deep sump oil pan
Oil filler and dipstick
Oil filter, cartridge type, RH
Oil pump, gear type

Mounting System

Rails, engine length, ledge type, 203 x 203 mm (8 x 8 in)

Power Take-Offs

Accessory drive, front housing standard rotation: lower RH, lower LH; opposite rotation: upper and lower RH and upper and lower LH

Front housing, two-sided

Protection System

ADEM II Electronic Monitoring System with customer programmable alarm, shutdown, and deration strategies

Emergency stop pushbutton

General

Lifting eyes, front and rear
Paint, Caterpillar yellow
Vibration damper and guard

ACCESSORY EQUIPMENT

Air compressor
Air inlet adapters
Air inlet shut-offs
Air pressure regulator
Air separator
Air starting motor
Alarm contactors
Auxiliary drive shafts and pulleys
Batteries and battery chargers
Charging alternator, 24 volt 60 amp
Coolant level sensors and gauge
Crankcase explosion relief valves
Customer communication module
Dual 24 volt electric starter motors
Duplex fuel and oil filters
Emergency water and oil connections
Exhaust expander and flange, 305 to 406 mm (12 to 16 in)
Flexible exhaust fitting, 292 mm dia x 305 mm long (11 in dia x 12 in long)
Flexible fuel lines
Front enclosed clutch
Front hydraulic pump mounting
Front stub shaft
Fuel priming pump
Horizontal exhaust outlet
Jacket water heaters
Keel cooling connections
Mufflers
Pilot house instrument panel
Primary fuel filter
Programmable relay control module
Pyrometer and cylinder thermocouples
Shell and tube-type heat exchanger
Sump pump
24 volt electric prelube pump

RATING CONDITIONS & DEFINITIONS

Ratings are based on SAE J1349 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50° C (122° F) and for sea water temperatures up to and including 42° C (108° F) at sea level.

Fuel consumption has a tolerance of +5% and is 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/US gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven. For a "without pumps" condition, deduct approximately 0.5% for each pump not engine driven.

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

Materials and specifications are subject to change without notice.

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Supersedes LEHM3137

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The International System of Units (SI) is used in this publication.

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