

Engine Pictured with Optional Equipment

CATERPILLAR® ENGINE SPECIFICATIONS

In-Line 4 Cylinder, Four-Stroke-Cycle Diesel

Bore — mm (in) 105 (4.13)

Stroke — mm (in)..... 127 (5.00)

Displacement — liter (cu in) 4.41 (269)

Combustion System Direct injection

Rotation (from flywheel end) .. Counterclockwise

Capacity for Liquids — L (U.S. qts)

 Cooling System (engine only)..... 7 (7.4)

 Lube Oil System (refill) typical..... 6.9 (7.3)

Weight, Net Dry (approximate) —

 kg (lb) 291 (641)

BENEFITS

■ HIGH PERFORMANCE

Horsepower and torque capabilities optimized.

■ QUALITY BY DESIGN FOR DURABILITY

Product design and process improvements have been used from early stages to enhance engine reliability and durability.

■ CLEAN AND QUIET POWER

Cleaner, meeting EPA Tier 2 emissions standards and free from visible smoke throughout operational speed range. Quieter, with up to 3 dBA reduction in bare engine noise.

■ EASY LOW-COST MAINTENANCE

Convenient positioning of service points for easy accessibility. Service intervals at 500 hours as standard.

■ WEB SITE

For additional information on all your power requirements, visit www.cat.com.

STANDARD EQUIPMENT

Cast iron engine block

Flywheel and flywheel housing

Ecoplus oil and fuel filters

Electronic control module (on 3054E)

Glow plug starting aid

Integral inlet manifold

Cast iron exhaust manifold — center side outlet

Gear-driven coolant pump

Alternator — 12V and 24V; 55, 65, 85, 100 amp

Provision for PTOs

Choice of cooling fans

Starter motor — 12V and 24V

Plastic J2044 fuel system standard

Choice of lube oil sump

Choice of dipstick positions

Choice of filter positions

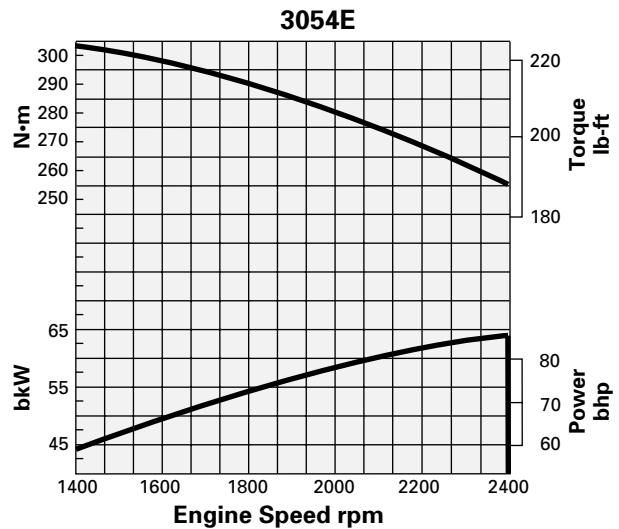
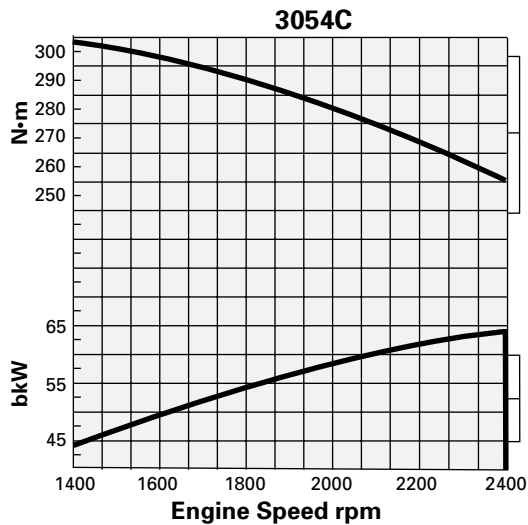
Choice of water outlet

Optional balancer



PERFORMANCE DATA

Naturally Aspirated



Gross Intermittent Power = SAE J1995

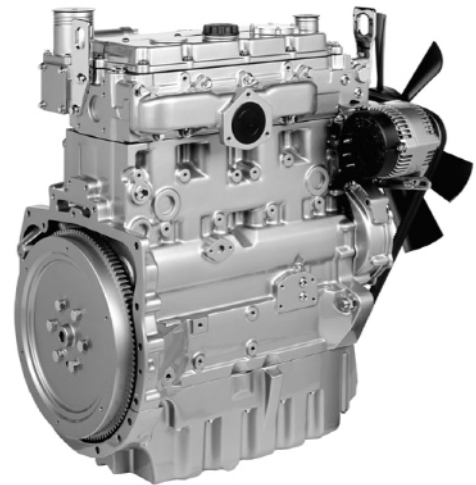
Other ratings are available.

Lower power ratings should not be read from these curves.

DIMENSIONS

Length	mm (in)	663 (26.1)
Width	mm (in)	563 (22.2)
Height	mm (in)	775 (30.5)
Weight	kg (lb)	291 (641)

Note: Dimensions and weight depend on final specifications.



RATING DEFINITIONS AND CONDITIONS

Intermittent is the horsepower and speed capability of the engine which can be used for about one hour, followed by an hour of operation at or below the continuous rating.

Continuous is the horsepower and speed capability of the engine which can be used without interruption or load cycling.

Additional ratings are available for specific customer requirements. Consult your Caterpillar dealer.

Ratings are based on SAE J1995 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO/TR14396, standard conditions and to DIN6271 and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 30% relative humidity.

Fuel consumption is based on fuel oil having an LHV of 42 780 kJ/kg (18 390 Btu/lb) and weighing 845-850 g/liter (7.052-7.094 lb/U.S. gal). Power ratings are based on engine equipped with fuel, lube oil, and jacket water pumps but without fan.