



Engine Pictured with  
Optional Equipment

### CATERPILLAR® ENGINE SPECIFICATIONS

#### I-4, 4-Stroke-Cycle Diesel

Bore .....	94 mm (3.7 in.)
Stroke .....	120 mm (4.72 in.)
Displacement .....	3.3 L (201 in <sup>3</sup> )
Aspiration .....	Turbocharged
Compression Ratio .....	19.5:1
Combustion System .....	Direct injection
Rotation (from flywheel end) .....	Counterclockwise
Capacity for Liquids	
Cooling System (engine only) ..	5 L (5.3 U.S. qts.)
Engine Weight, Net Dry (approximate) with standard equipment .....	265 kg (584 lb.)

### FEATURES

#### Emissions

Designed to meet Tier 3, Stage IIIA emissions requirements. Tier 3 refers to EPA (U.S.) standards. Stage IIIA refers to European standards.

#### Reliable and Durable Power

Manufactured to customer-approved standards. Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities.

#### High Performance

Along with turbocharged power, high torque, and 17% torque back-up, the C3.4 turbocharged engine provides class-leading power take-off capabilities.

#### Clean and Quiet Power

Retaining cost and packaging benefits, the C3.4 turbocharged engine is quiet, operator-friendly, and environmentally sensitive.

#### Easy Low-Cost Maintenance

Single-side servicing improves ease of maintenance and simplifies the servicing routine.

#### Web Site

For additional information on all your power requirements, visit [www.cat-industrial.com](http://www.cat-industrial.com).

### STANDARD ENGINE EQUIPMENT

Options must be selected for the following features. See your Caterpillar dealer for a detailed description of options for each feature.

#### Air Inlet

Inlet manifold with choice of inlets

#### Control System

Glow plugs for cold starting down to -20°C (-4°F)

#### Cooling System

Belt driven coolant pump

#### Flywheels and Flywheel Housing

SAE No. 8 and SAE No. 10 flywheel  
SAE No. 4 flywheel housing

#### Fuel System

Electronic Shut-Off Solenoid (ESOS)

#### Lube System

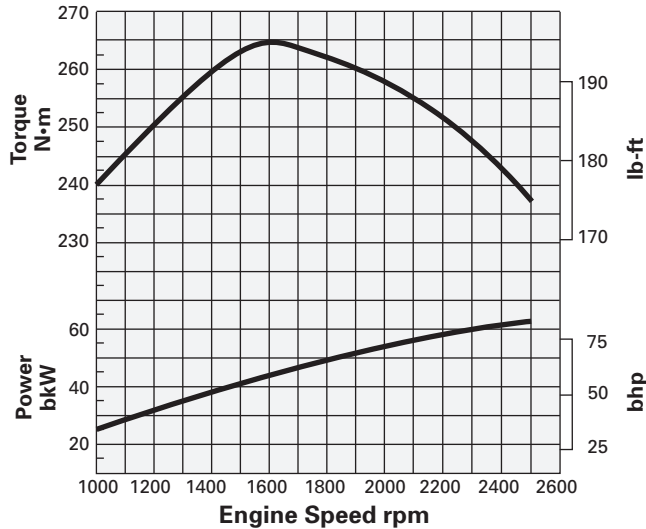
EcoPlus oil and fuel filter with conventional  
oil filter optional  
Lube oil pressure switch — 12 volt

#### General

Cast iron engine block and cylinder head  
Choice of turbo position  
Turbocharger and crossover pipe

#### PERFORMANCE DATA

Turbocharged — 2500 rpm



Speed rpm	Power bkW	Torque N·m	Power bhp	Torque lb-ft
2500	62	237	83	174.8

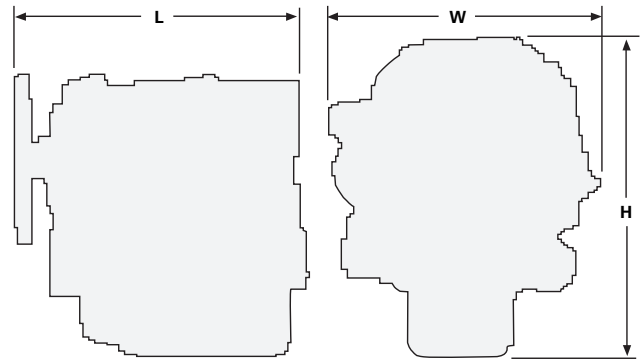
Gross Intermittent Power = SAE J1995  
 Other ratings are available.  
 Lower power ratings should not be read from these curves.

#### RATING DEFINITIONS AND CONDITIONS

**IND-C (Intermittent)** is the horsepower and speed capability of the engine where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

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

#### DIMENSIONS



	High Turbo	Low Turbo
Length	784 mm (30.9 in.)	784 mm (30.9 in.)
Width	589.8 mm (23.2 in.)	649.3 mm (25.6 in.)
Height	821.3 mm (32.3 in.)	768.9 mm (30.3 in.)

**Note:** Dimensions depend on final specifications.

**Rating Conditions for Diesel Engines — up to 6.6 liter** are based on ISO/TR14396, inlet air standard conditions with a total barometric pressure of 100 kPa (29.5 in. Hg), with a vapor pressure of 1 kPa (.295 in. Hg), and 25°C (77°F). Performance is measured using fuel to specification EPA 2D 89.330-96 with a density of 0.845-0.850 kg/L @ 15°C (59°F) and fuel inlet temperature 40°C (104°F).