



Engine pictured with optional equipment

### CATERPILLAR® ENGINE SPECIFICATIONS

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

Bore . . . . .	105 mm (4.1 in.)
Stroke . . . . .	127 mm (5.0 in.)
Displacement . . . . .	4.4 L (268.5 in <sup>3</sup> )
Aspiration . . . . .	Turbocharged
Compression Ratio . . . . .	18: 2
Combustion System . . . . .	Direct Injection
Rotation (from flywheel end) . . .	Counterclockwise
Engine Weight, Net Dry (approximate) with standard equipment . . . .	465 kg (1025 lbs.)

### FEATURES

#### Emissions

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

#### Reliable and Durable Power

Diesel tough components and conservative speed for smooth operation and long engine life. Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities.

#### Clean and Quiet Power

Subjective harshness has been controlled, making the engine sound even quieter.

#### Fuel Economy

Consistent performance and excellent fuel economy over entire operating range.

#### Easy Low-Cost Maintenance

Convenient positioning of service points on right-hand side for easy accessibility. Service intervals at 500 hours as standard.

#### Web Site

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

### STANDARD ENGINE EQUIPMENT

#### Air Inlet

Mounted air filter and turbocharger

#### Cooling System

Fan (pusher or puller)  
Fan drive  
Radiator  
Water pump

#### Electrical Equipment

Alternator (12 or 24 volt)  
Starter motor (12 or 24 volt)

#### Flywheel & Flywheel Housing

Flywheel  
SAE No. 3 flywheel housing

#### Fuel System

Fuel filter

#### Lube System

Oil cooler and filter  
Timing case oil filler

#### Mountings

Engine mounting brackets

#### Power Take Off

SAE A or SAE B front PTO (142/280 N•m)

#### Starting Aids

Glow plugs

#### Literature

User's Handbook



## Industrial Open Power Unit

C4.4

74 bkW/99.2 bhp

### PERFORMANCE DATA

Turbocharged — 2000 rpm

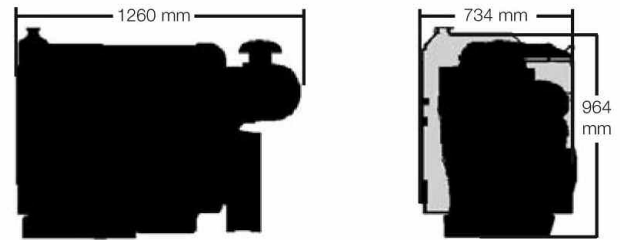
Speed rpm	Power bkW	Torque N•m	Power bhp	Torque lb-ft
2200	74.0	418	99.2	308.3

Net Intermittent Power = SAE J1995

Other ratings are available.

Lower power ratings should not be read from these curves.

### DIMENSIONS



Length	1260 mm (49.6 in.)
Width	734 mm (28.9 in.)
Height	964 mm (38.0 in.)

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

### RATINGS 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.

**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).

Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the POWER EDGE trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.