

Engine Pictured with
Optional Equipment

CAT® 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 ³)
Aspiration	Naturally Aspirated
Compression Ratio	22:1
Combustion System	Indirect Injection
Rotation (from flywheel end) ...	Counterclockwise
Capacity for Liquids	
Cooling System (engine only) ..	5.5 L (5.8 U.S. qts)
Lube Oil System (refill)	9 L (9.5 U.S. qts)
Engine Weight, Net Dry (approximate)	
with standard equipment	245 kg (540 lb)

FEATURES

Emissions

Meets EPA (U.S.) Tier 4 Interim, EU Stage IIIA emissions requirements.

Reliable and Durable Power

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

High Performance

Along with high torque and 17% torque back-up, the C3.4 naturally aspirated engine provides excellent power take-off capability.

Clean and Quiet Power

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

Easy Low-Cost Maintenance

Single-side servicing improves ease of maintenance and simplifies the servicing routine — 500 hours for oil and filters and 1,000 hours for fuel filter replacement.

Web Site

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

STANDARD ENGINE EQUIPMENT

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

Air Inlet

Inlet manifold with choice of inlets

Control System

Alternator 12V

Starter motor 12V

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

Cooling System

Belt driven coolant pump

Choice of cooling fans

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

Lube oil pressure switch 12V

Two oil fill positions — front and top cover

General

Cast iron engine block and cylinder head

Cast iron one-piece exhaust manifold

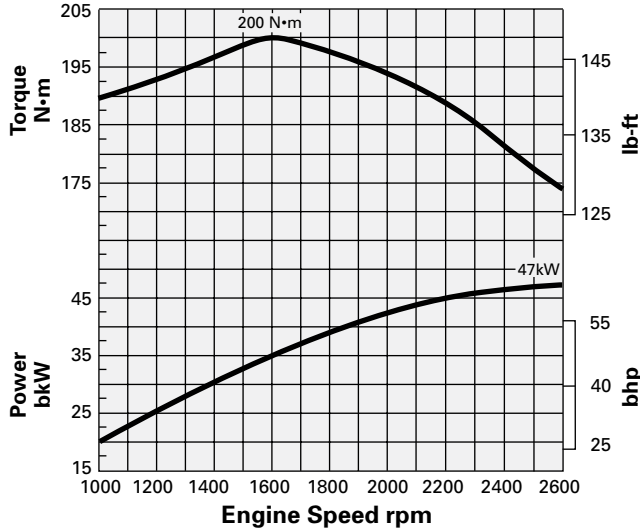
Standard closed circuit breather



C3.4 Industrial Engine Tier 4 Interim/Stage IIIB 47 bkW/63 bhp @ 2500 rpm

PERFORMANCE DATA

Naturally Aspirated — 2500 rpm



Speed rpm	Power bkW	Torque N·m	Power bhp	Torque lb-ft
2500	47	200	63	148

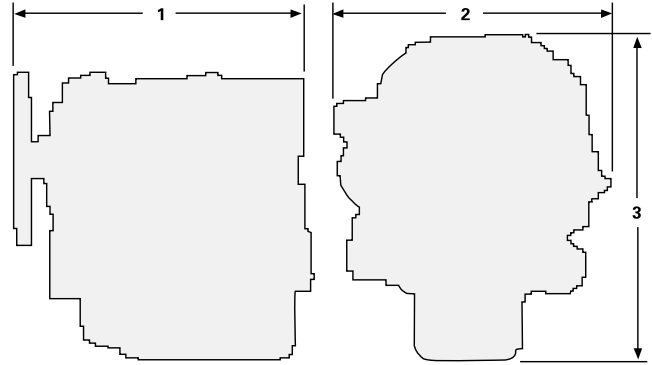
Gross Intermittent Power = SAE J1995
Other ratings are available.
Lower power ratings should not be read from these curves.

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 Cat dealer.

DIMENSIONS



1) Length	781 mm (30.7 in)
2) Width	597.5 mm (23.5 in)
3) Height	710.2 mm (27.9 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).

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