



C3.4 Industrial Engine

55 & 62 bkW/73.7 & 83 bhp @ 2500 rpm



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 in³)
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

Meets EPA (U.S.) Tier 4 Interim, EU Stage IIIA emissions requirements at 55 bkW (73.7 bhp).
Meets EPA (U.S.) Tier 3, EU Stage IIIA emissions requirements at 62 bkW (83 bhp)

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.

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

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 — 12V

General

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

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

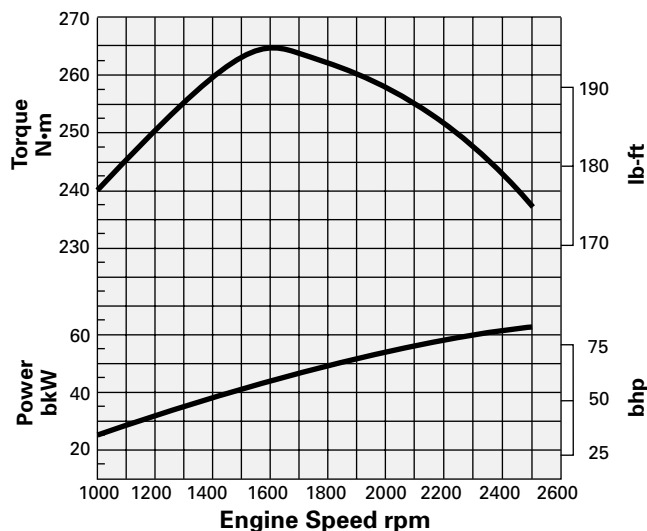


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PERFORMANCE DATA

Turbocharged — 2500 rpm



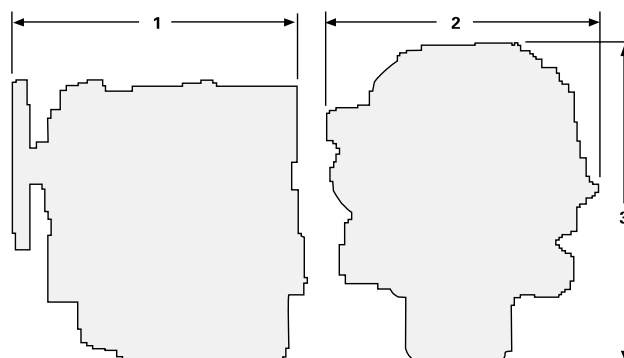
Speed rpm	Power kW	Torque N·m	Power bhp	Torque lb-ft
2500	62	237	83	174.8

Gross Intermittent Power = SAE J1995

Other ratings are available.

Lower power ratings should not be read from these curves.

DIMENSIONS



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

Note: Dimensions depend on final specifications.

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.

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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