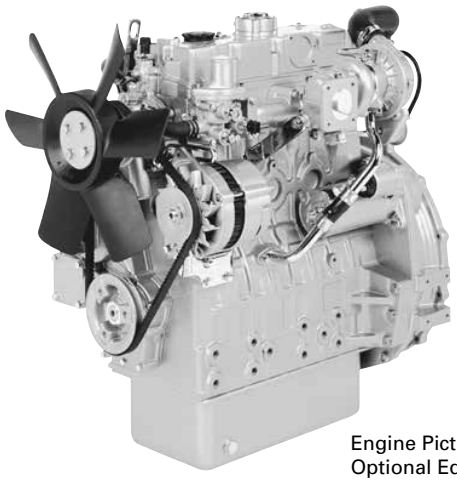
Industrial Engine C1.7

23.6 & 26.1 bkW/31.6 & 35 bhp @ 2400 & 2600 rpm



Engine Pictured with Optional Equipment

CAT® ENGINE SPECIFICATIONS

I-3, 4-Stroke-Cycle Diesel

Bore	84.0 mm (3.3 in)
Stroke	100 mm (3.9 in)
Displacement	1.662 L (101.4 in³)
Aspiration	Naturally Aspirated
Compression Ratio	23.0:1
Combustion System	Indirect injection
Rotation (from flywheel end)	Counterclockwise
Capacity for Liquids	
Cooling System (engine only)	2.5 L (2.64 U.S. qts.
Lube Oil System (refill)	10.6 L (11.2 U.S. qts)
Engine Weight, Net Dry (approximate)	160.0 kg (353.0 lbs)

FEATURES

Emissions
Meets EU Stage IIIA emissions standards.

Reliable, Quiet, and Durable Power
World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

High Performance
Substantial torque rise delivers impressive performance through a wide speed range while maintaining low operating costs.

Fuel Efficiency
Fuel consumption optimized to match operating cycles of a wide range of equipment and applications.

Broad Application Range
Industry leading range of factory configurable ratings and options for agricultural, materials-handling, construction, mining, aircraft ground support, and other industrial applications.

Package Size
Ultra-compact package size ensures ease of installation as well as exceptional power density.

Low-Cost Maintenance
Single-side servicing improves ease of maintenance and simplifies the servicing routine. Service intervals at 500 hours are standard.

Testing
Every Cat® engine is quality tested to ensure proper engine performance.

World-class Product Support Offered Through Global Cat Dealer Network
- Scheduled maintenance
- Customer Support Agreements (CSA)
- Caterpillar Extended Service Coverage (ESC)
- Superior dealer service network
- Extended dealer service network through the Cat Industrial Service Distributor (ISD) program

STANDARD 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 40 amp, starter motor 12V, glow plug starting aid

Cooling System
Belt-driven coolant pump, coolant temperature switch, choice of cooling fans

Flywheel & Flywheel Housing
Provision for PTO

Fuel System
Fuel injection pump, fuel filter, Electronic Shut-Off Solenoid (ESOS)

Lube System
Lube oil filter, lube oil pressure switch, lube oil sump

General
Cast iron engine block and cylinder head, cast iron exhaust manifold — side outlet cold start capability to -20°C (-4°F), gradeability 35° continuous

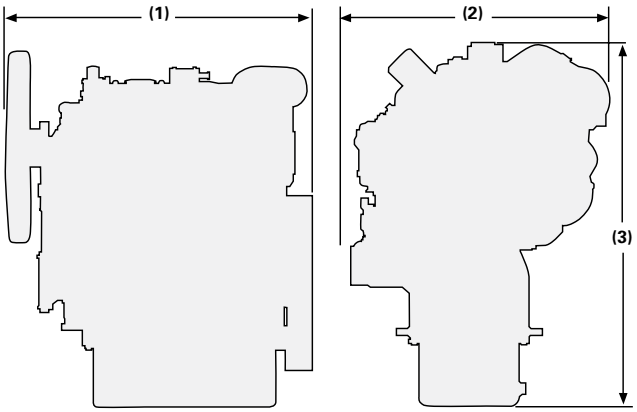
Web Site: For additional information on all your power requirements, visit www.cat-industrial.com.

PERFORMANCE DATA

Naturally Aspirated — 2400 & 2600 rpm

Speed rpm	Power bkW	Torque N•m	Power bhp	Torque lb-ft
1800/2600	26.1	105.0	35.0	77.4

DIMENSIONS



(1) Length	572 mm (22.5 in)
(2) Width	453 mm (17.8 in)
(3) Height	664 mm (26.1 in)

Note: Dimensions and weight 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).

Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication.
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