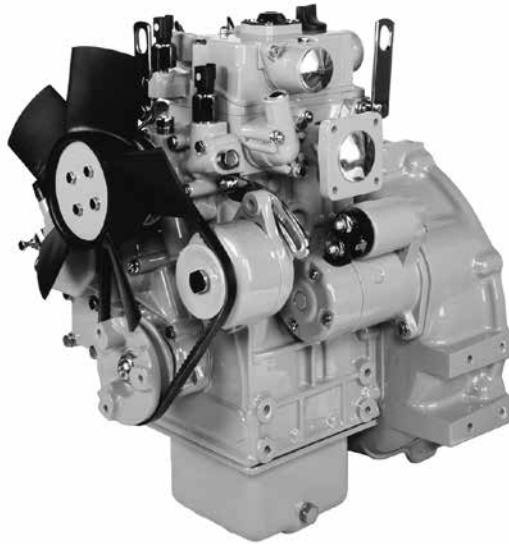




## C0.5 Industrial Engine

For Auxiliary Power & Other Special Applications  
7.6 bkW/10.2 bhp @ 2800 rpm



### CAT® ENGINE SPECIFICATIONS

#### I-2, 4-Stroke-Cycle Diesel

|                                    |                                  |
|------------------------------------|----------------------------------|
| Bore .....                         | 67 mm (2.64 in)                  |
| Stroke .....                       | 72 mm (2.83 in)                  |
| Displacement .....                 | 0.507 L (31.0 in³)               |
| Aspiration .....                   | Naturally Aspirated              |
| Compression Ratio .....            | 23.5:1                           |
| Combustion System .....            | Indirect injection               |
| Rotation (from flywheel end) ..... | Counterclockwise                 |
| Capacity for Liquids               |                                  |
| Cooling System .....               | 1.1 L (1.16 U.S. qts)            |
| Lube Oil System                    |                                  |
| (refill) .....                     | 1.61-2.01 L (1.70-2.12 U.S. qts) |
| Engine Weight, Net Dry             |                                  |
| (approximate) .....                | 57.0 kg (126.0 lbs)              |

### FEATURES

#### Emissions

Designed to meet U.S. EPA Tier 4 Final emission 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

Delivers impressive performance specifically designed for auxiliary power units and other special applications.

#### Fuel Efficiency

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

#### Broad Application Range

Ratings specifically developed to meet the requirements of the auxiliary power unit market and other special 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

#### Air Inlet

Inlet manifold with choice of inlets

#### Control System

Alternator 12V 65 amp, starter motor 12V, glow plug starting aid

#### Cooling System

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

#### Flywheel and Flywheel Housing

Standard backplate flywheel housing and flatface flywheel

#### Fuel System

Fuel injection pump, spin-on fuel filter, Electronic Shut-off Solenoid (ESOS)

#### Lube System

Closed circuit breather, spin-on lube oil filter, lube oil pressure switch, lube oil sump

#### General

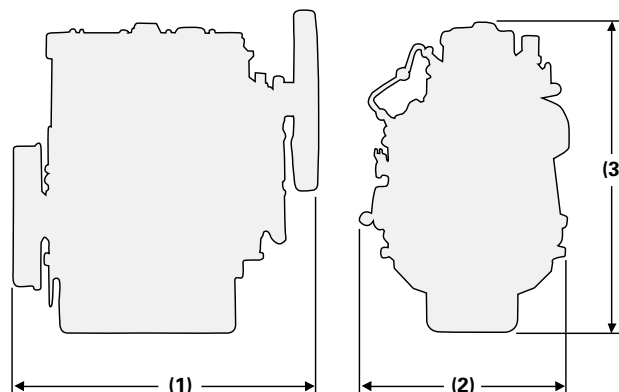
Cast iron engine block, cast iron exhaust manifold — side outlet, cold start capability to -20°C (-4°F), or move to lube system 35° maximum single for continuous operation.

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

**C0.5****Industrial Engine****For Auxiliary Power & Other Special Applications****7.6 bkW/10.2 bhp @ 2800 rpm****PERFORMANCE DATA**

Naturally Aspirated — 2800 rpm

| Speed<br>rpm | Power<br>bkW | Torque<br>N•m | Power<br>bhp | Torque<br>lb-ft |
|--------------|--------------|---------------|--------------|-----------------|
| 2800         | 7.6          | 27            | 10.2         | 19.9            |

**DIMENSIONS**

|            |                  |
|------------|------------------|
| (1) Length | 407 mm (16.0 in) |
| (2) Width  | 371 mm (14.6 in) |
| (3) Height | 523 mm (20.6 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).

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.