



# Industrial Diesel Engine

# 3056E

Air-To-Air Aftercooled

## Special Rating

129 bkW/173 bhp  
2200 rpm



Engine Pictured with Optional Equipment

## CATERPILLAR® ENGINE SPECIFICATIONS

In-Line 6 Cylinder, Four-Stroke-Cycle Diesel

Bore — mm (in) ..... 100 (3.94)

Stroke — mm (in)..... 127 (5.00)

Displacement — liter (cu in) ..... 5.98 (365)

Maximum Power — bkW (bhp)..... 135 (181)

Maximum Power — rpm..... 2000

Combustion System ..... Direct injection

Rotation (from flywheel end) .. Counterclockwise

Capacity for Liquids — L (U.S. gal)

    Cooling System (engine only)..... 15.5 (4.07)

    Lube Oil System (refill) typical ..... 13.1 (3.75)

Weight, Net Dry (approximate) —

    kg (lb) ..... 505 (1113)

## BENEFITS

- **HIGH PERFORMANCE**  
Horsepower and torque capabilities optimized.
- **BROAD APPLICATION RANGE**  
Big displacement, more performance for your money, and convenient installation.
- **QUALITY BY DESIGN FOR DURABILITY**  
Product design and process improvements have been used from early stages to enhance engine reliability and durability.
- **FUEL ECONOMY**  
Improved fuel efficiency gives savings in operating costs.
- **CLEAN AND QUIET POWER**  
Cleaner and quieter, meeting EPA Tier 2 emissions standards and free from visible smoke throughout operational speed range.
- **EASY LOW-COST MAINTENANCE**  
Convenient positioning of service points for easy accessibility. Service intervals at 500 hours as standard.
- **ELECTRONIC CONTROL**  
Full-authority electronic control is fitted as standard to give the operator full machine integration, engine history, and machine protection.
- **WEB SITE**  
For additional information on all your power requirements, visit [www.cat.com](http://www.cat.com).

## STANDARD EQUIPMENT

- Cast iron engine block
- Flywheel and flywheel housing
- Electronic control module
- Thermostart starting aid
- Choice of lube oil sumps
- Alternative oil fillers and dipsticks
- Cast iron multi-piece exhaust manifold
- Choice of turbocharger outlets
- Coolant pump gear-driven
- Choice of cooling fans
- Starter motor 12V or 24V
- Alternator, 12V or 24V
- Choice of cooling water outlets
- Provision for PTOs

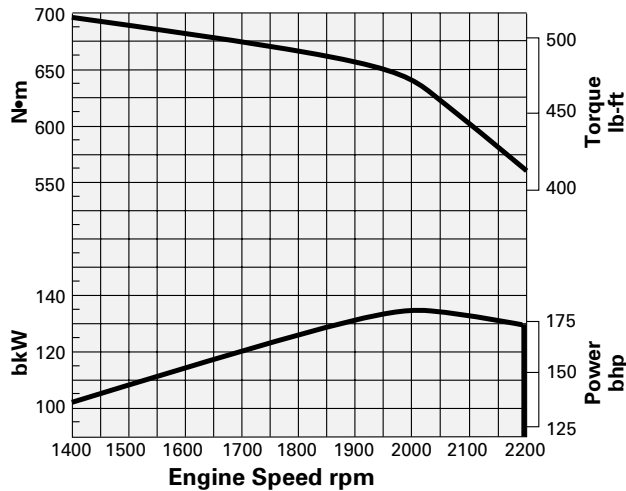
## OPTIONAL

- EcoPlus fuel filter
- EcoPlus lube oil filter



## PERFORMANCE DATA

Turbocharged Air-To-Air Aftercooled

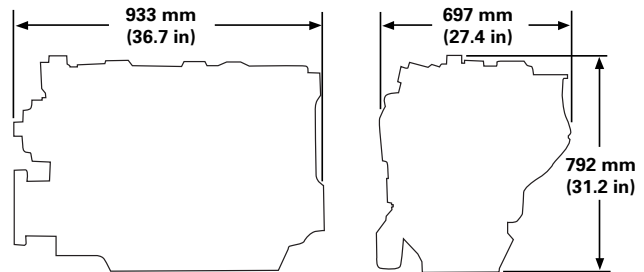


Gross Intermittent Power = SAE J1995

Other ratings are available.

Lower power ratings should not be read from this curve.

## DIMENSIONS



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

## RATING DEFINITIONS AND CONDITIONS

**Intermittent** is the horsepower and speed capability of the engine which can be used for about one hour, followed by an hour of operation at or below the continuous rating.

**Continuous** is the horsepower and speed capability of the engine which can be used without interruption or load cycling.

Additional ratings are available for specific customer requirements. Consult your Caterpillar dealer.

**Ratings** are based on SAE J1995 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO/TR14396, standard conditions and to DIN6271 and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 30% relative humidity.

**Fuel consumption** is based on fuel oil having an LHV of 42 780 kJ/kg (18 390 Btu/lb) and weighing 845-850 g/liter (7.052-7.094 lb/U.S. gal). Power ratings are based on engine equipped with fuel, lube oil, and jacket water pumps but without fan.