



## FORD COMPONENT SALES, LLC

# Ford 6.7L Power Stroke V8 Turbo Diesel Engine

### Technical Specifications

**Engine Type:**

6.7L Power Stroke V8 Turbo Diesel

**Block / Head:** Iron / Aluminum

**Bore x Stroke (in):** 3.90 x 4.25

**Displacement (liters / cu. in):**  
6.7 / 406

**Compression Ratio:** 16.2:1

**Fuel Injection:** Direct-injection

**Induction:** Single turbocharged

**Fuel Requirement (octane):**  
ULSD Diesel / B20 biodiesel

**Valvetrain:** OHV

**Valve Operation:**  
Push rod/rocker arms

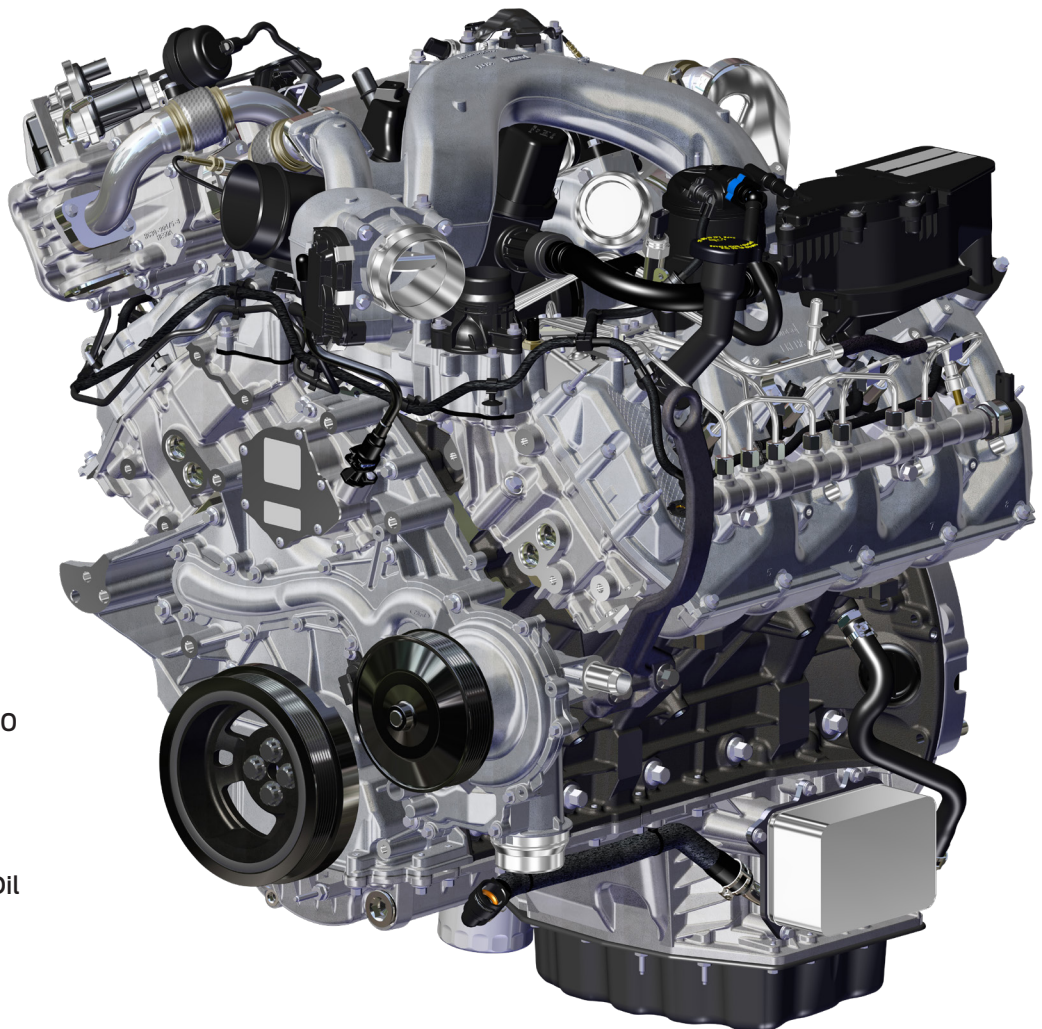
**Power (HP @ RPM):**  
270 @ 2400 / 300 @ 2500 / 330 @ 2600

**Torque (lb.-ft @ RPM):**  
675 @ 1600 / 700 @ 1800 / 725 @ 1800

**Oil Capacity / Spec:**  
15Qts. / SAE 10W-30 Super Duty Diesel Oil


**Weight (lbs.):** 981

**Dimensions (mm) H x W x L:**  
1128.10 x 846.44 x 857.18



[fordcomponentsalesllc.com](http://fordcomponentsalesllc.com)

290 Town Center Drive, Ste. 1000  
Dearborn, MI 48126

 (313) 390-1200

 [fcscusts@ford.com](mailto:fcscusts@ford.com)

# Ford 6.7L Power Stroke V8 Turbo Diesel Engine

## Key Features & Benefits

### Biodiesel capability up to B20

- Designed to handle a mixture of up to 20% biodiesel by volume and 80% petroleum diesel fuel
- Biodiesel of ASTM D7467 Grade S15 (15 ppm sulfur maximum) should be used

**Compacted graphite iron (CGI) deep-skirt engine block and aluminum cylinder heads help reduce weight while maintaining maximum strength for the horsepower and torque capacity of the Power Stroke V8**

### Aluminum cylinder heads

- Help reduce weight
- Feature dual water jackets for enhanced cooling and increased strength
- Six head bolts per cylinder help improve sealing and maintain cylinder integrity

**Strong crankshaft and low-friction polymer-coated crankshaft main bearings enhance durability**

**Cylinder head, exhaust manifold and valvetrain materials capable of handling the engine's power levels**

**Piston assembly designed for heavy-duty load-bearing capability**

**4-layer exhaust manifold gasket enhances durability**

### Inboard exhaust design

- Helps reduce exhaust system volume and heat

transfer to the engine compartment

- Helps improve throttle response
- Helps improve NVH (noise, vibration and harshness) characteristics

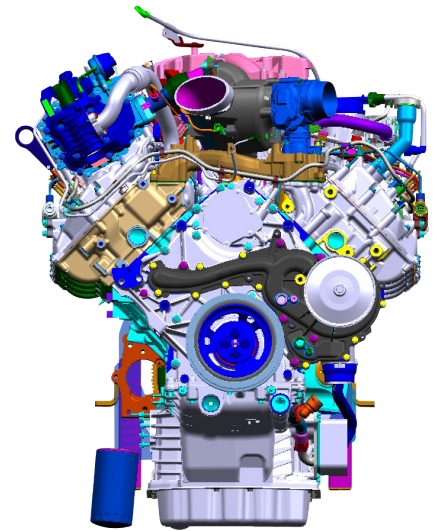
**Large turbocharger accommodates high airflow to maximize power and enhance high-altitude performance**

- Single compressor wheel forces air into the engine's cylinders to enhance performance, especially at high altitudes where the air is thinner than at sea level
- Compact and efficient variable-nozzle design helps deliver maximum power quickly

### High-pressure common-rail fuel injections

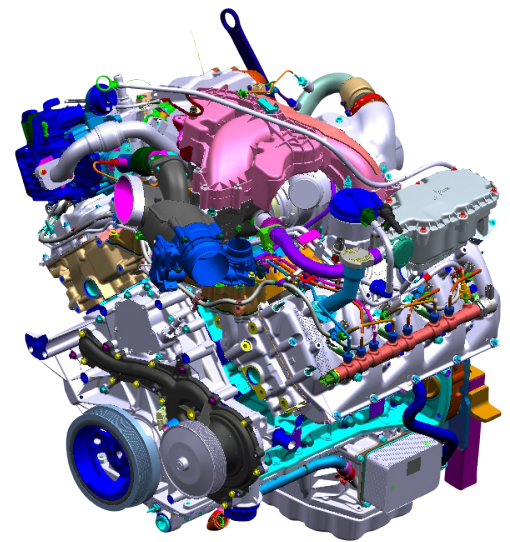
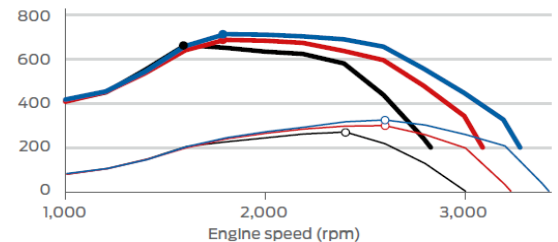
- Deliver up to five fuel injections per combustion cycle for excellent throttle response, performance and NVH characteristics
- Fuel injector tips designed to deliver precise fuel atomization, resulting in maximized combustion, low NVH, clean emissions and reduced buildup of fuel deposits on the valves over time
- Deliver quiet operation throughout the entire rpm range (similar to gasoline engine noise levels)

**Instant-start glow plugs help provide quick engine starts, even in extremely cold conditions**



### 6.7L Power Stroke V8 Turbo Diesel

Horsepower	Torque
○ 330 @ 2,600 rpm	● 725 lb.-ft. @ 1,800 rpm
○ 300 @ 2,500 rpm	● 700 lb.-ft. @ 1,800 rpm
○ 270 @ 2,400 rpm	● 675 lb.-ft. @ 1,600 rpm



Specifications, features, and benefits applicable to engines and transmissions are based on Ford products, and may vary with different applications. Pictures and details shown are for illustrative purposes only (actual product may vary). Additionally, the availability of the product(s) described herein may vary. Contact Ford Component Sales, LLC for details.