



## FORD COMPONENT SALES

# Ford 3.5L V6 GTDI Engine

### Technical Specifications

Engine Type: 3.5L EcoBoost V6

Block / Head: Aluminium / Aluminium

Bore x Stroke (in): 3.64 x 3.41

Displacement (litres / cu. in): 3.5 / 213

Main Bearings: 4

Compression Ratio: 10.0:1

Fuel Injection: Direct Fuel Injection

Valve Operation: Direct-acting mechanical bucket

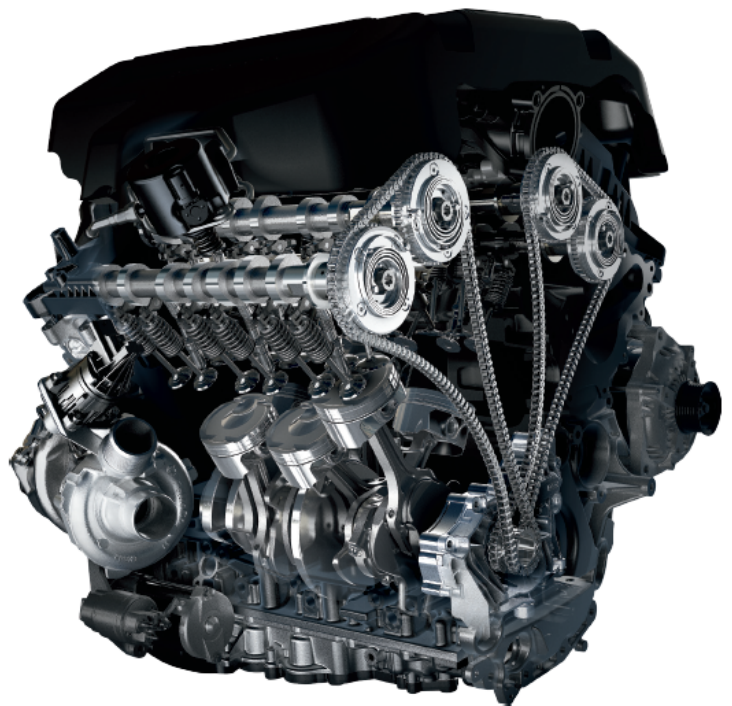
Power (HP @ RPM): 310 @ 5500

Torque (lb.-ft @ RPM): 400 @ 2500

Oil Capacity / Spec: 6.0qts  
7(5.68L) / SAE 5w30

Weight (lbs.): 417 (Engine as shipped)

Dimensions (mm) H x W x L: 758.44 x 719.49 x 675.07



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## Key Features & Benefits

Twin independent variable camshaft timing (Ti-VCT)

Developed with performance in mind with the core internal components designed to maintain durability at the level of power the 3.5L EcoBoost V6 delivers

Die-cast aluminium engine block is strong yet lightweight

Aluminium engine block and cylinder head help reduce weight to aid operational efficiency

Dual overhead camshafts (DOHC) with lightweight aluminium cylinder head and 4 valves per cylinder

Direct Acting Bucket mechanical valve train

Forged-steel, fully counterweighted crankshaft with 6-bolt press-fit main bearing caps for strength and durability

Intake and exhaust camshafts enhanced for improved operating efficiency and performance

Parallel twin turbochargers are water-cooled to prevent "coking"

Piston-cooling engine oil jets help improve oil warm-up and maintain cooler piston temperatures for improved durability

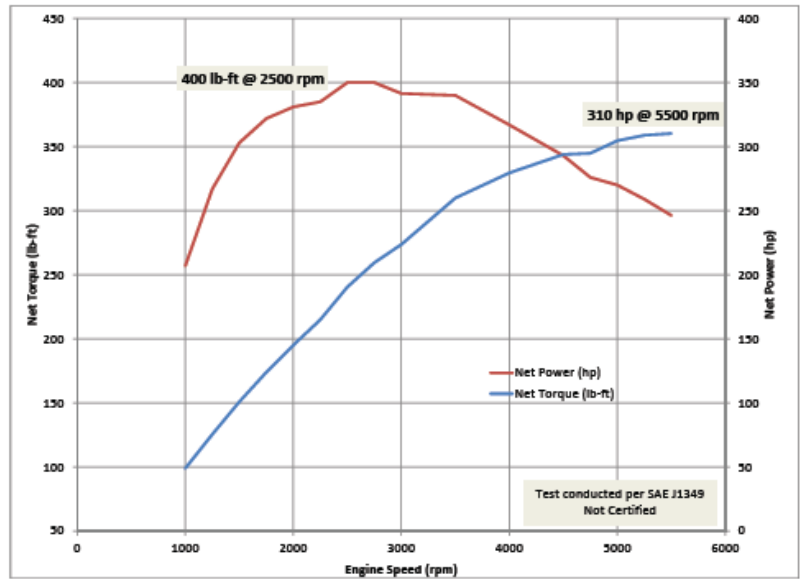
Cast exhaust manifolds for heavy-duty operation and durability

Die-cast aluminium deep-sump oil pan

Optimised oil pan capacity to provide up to 1-year/10,000-mile oil change intervals

Gasoline direct-injection

Uses a timing chain



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, for details.