



## FORD COMPONENT SALES

# 5.0L Ti-VCT 32v V8 in the Mustang

### Technical Specifications

Engine Type: 5.0L Ti-VCT 32v  
V8

Block / Head: Aluminium/  
Aluminium

Bore x Stroke (in): 3.66  
x 3.65

Displacement (litres / cu. in):  
5.0L/302

Main Bearings: 5

Compression Ratio: 12:1

Fuel Injection: Port Fuel and  
Direct Injection(PFDI)

Valve Operation: DOHC, Roller  
finger followers, 4 valves per  
cylinder

Power (HP @ RPM):  
450 @ 7000

Torque (lb.- t @ RPM):  
410 @ 4600

Oil Capacity / Spec:  
10 Qts. / SAE 5W-30

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

Dimensions (mm) H x W x L:  
705.96 x 780.51 x 661.37



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Dunton Technical Centre,  
Arterial Road, Laindon, Essex, SS15 6EE

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

# 3.0L DOHC 4v GTDI V6 Engine

## Key Feature and Benefits

Composite intake manifold

Exhaust manifold with  
Stainless Steel tubular  
headers

Naturally aspirated

80mm Throttle  
Body(87mm on Mach 1)

Cast aluminum Pistons with  
forged steel connecting rods

Coil on plug Ignition

Cold air induction system

Lightweight aluminum  
cylinder heads

Intake & exhaust camshafts  
with 13mm of lift for both

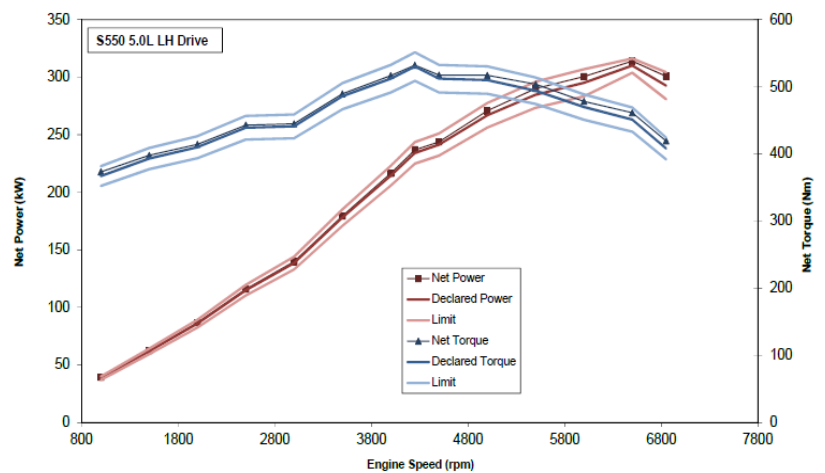
Mid-lock phasers for variable  
intake camshaft timing allow  
for a greater range of travel,  
enabling increased control of  
airflow for enhanced  
operational efficiency and  
emissions

Large intake and exhaust  
valves  
Intake - 37.7mm diameter  
Exhaust - 28.3mm diameter

Piston tops feature deep  
cutouts to accommodate the  
large valves  
Stiff valve springs ensure the  
valves close completely at  
high rpm

Redline increased from 7,000  
to 7,500

Engine Net Power and Torque



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.