



FORD COMPONENT SALES

5.0L Ti-VCT 32v V8 Engine 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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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

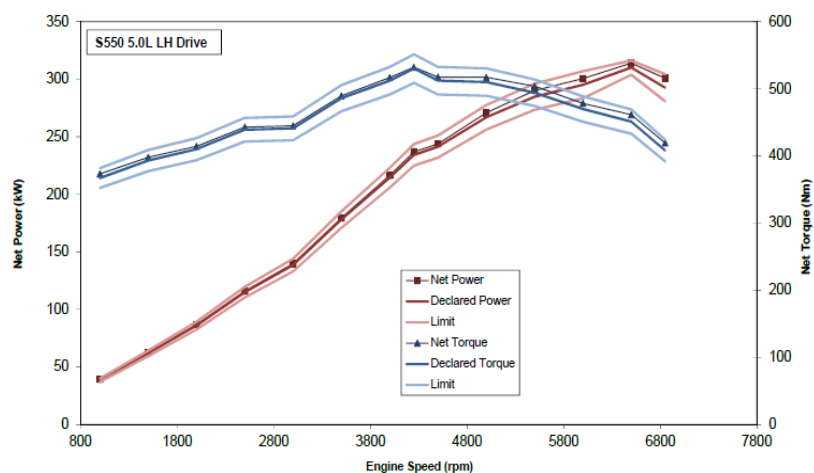
Mid-lock phasers for variable
intake camshaft timing allow
for a greater range of travel,
enabling increased control of
airflow for enhanced
operational efficiency and
emissions

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

Piston tops feature deep
cutouts to accomodate 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. Please note powercurves are valid at time of publication