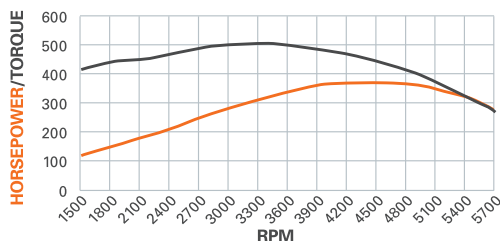


HT502

19433156 
406 hp
@ 4,200 rpm
541 lb.-ft.
@ 3,200 rpm

DYNO CHART



NOTE: Refer to page 6 for the complete horsepower and torque testing procedures.



A powerful alternative to rebuilding

When it comes to repowering your trusted Big-Block-powered pulling truck, don't bother with the time it takes for rebuilding, when Chevrolet Performance's HT502 offers an affordable, durable and powerful alternative.

It is built with a brand-new, latest-generation cylinder block with four-bolt main caps and features an all-forged rotating assembly for strength. A mild 8.75:1 compression ratio also makes it suitable for pump gas at all elevations. The assembly comes with the heads and a balancer installed. An induction system, ignition, starter, water pump and other accessories are required to finish the engine. All of the necessary components are available from Chevrolet Performance.

INSTALLATION NOTES

- Requires the addition of carburetor, intake manifold, water pump, fuel pump, starter, distributor and ignition system (not included)
- Clutch linkage bosses are now drilled and tapped. When using cast-iron exhaust manifolds, lower head bolts may need to be replaced with bolts with shorter heads, for clearance
- 502 engines now have a mechanical fuel pump boss! (**NOTE:** There is NO fuel pump lobe behind the boss.)
- Comes with an externally balanced 14" automatic transmission flexplate; Use externally balanced flywheel P/N 14096987 and 11" clutch assembly for manual transmission applications
- Not intended for marine applications

TECH SPECS

Part Number:	19433156
Engine Type:	Chevy Big-Block V-8
Displacement (cu in):	502
Bore x Stroke (in):	4.470 x 4.00
Block (P/N 19170540):	Cast iron with 4-bolt main caps
Crankshaft (P/N 10183723):	Forged steel
Connecting Rods (P/N 19170198):	Forged steel, shot peened
Pistons (P/N 12533507):	Forged aluminum
Camshaft Type (P/N 12552296):	Hydraulic roller
Valve Lift (in):	.480 intake / .483 exhaust
Camshaft Duration (@.050 in):	204° intake / 208° exhaust
Cylinder Heads (P/N 12562917):	Iron oval port; 118cc chambers
Valve Size (in):	2.07 intake / 1.73 exhaust
Compression Ratio:	8.75:1
Rocker Arms (P/N 19260993):	Stamped steel
Rocker Arm Ratio:	1.7:1
Recommended Fuel:	Regular pump
Ignition Timing:	34° Total @ 4,000 rpm
Maximum Recommended rpm:	5,500
Balanced:	External
Flexplate (P/N 10185034):	14"

NOTE: Distributor with melonized steel gear **MUST** be used with long-blocks and partial engines with steel camshafts, or engine damage will occur.

Mobil 1 is the recommended engine oil for all Chevrolet Performance Engines



Chevrolet Performance Crate Engines include a 24-month or 50,000-mile/80,000-kilometer limited warranty, whichever comes first. See your GM dealer for details.



Chevrolet Performance does not utilize any used or remanufactured parts in this crate engine, except for the starter, alternator and power steering pump.



This part is intended for competition use only. See page 2 for complete details.