

## 454 HO

19433409 

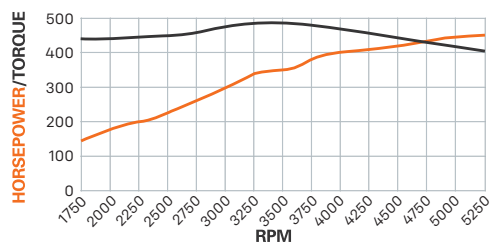
438 hp

@ 5,300 rpm

500 lb.-ft.

@ 3,500 rpm

## DYNO CHART



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



## Our budget Big-Block performer!

Chevrolet Performance's 454 HO crate engine offers strong Big-Block torque—500 lb.-ft.—to fit almost any builder's budget. The foundation is a brand-new, updated cylinder block, which incorporates many strength and performance design enhancements to make it a smart and economical alternative to rebuilding.

We also added an all-forged reciprocating assembly for greater durability, a roller camshaft that optimizes performance and a set of deep-breathing rectangular-port iron cylinder heads. The 454 HO is delivered with a water pump, balancer, 14-inch flexplate and aluminum intake manifold. Add a carburetor, ignition system and starter and your budget Big-Block will be ready to roar. All of the necessary parts are available from Chevrolet Performance.

## INSTALLATION NOTES

- Requires addition of carburetor, starter, fuel pump, 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
- Comes with an externally balanced 14" automatic transmission flexplate; use flywheel P/N 14096987 and 11" clutch assembly for manual transmission applications
- Not intended for marine applications

## TECH SPECS

Part Number:	19433409
Engine Type:	Chevy Big-Block V-8
Displacement (cu in):	454
Bore x Stroke (in):	4.250 x 4.000
Block (P/N 19170538):	Cast iron with 4-bolt main caps
Crankshaft (P/N 14096983):	Forged steel
Connecting Rods (P/N 19170198):	Forged steel
Pistons (P/N 19432034):	Forged aluminum
Intake Manifold (P/N 19131359):	Dual plane
Camshaft Type (P/N 24502611):	Hydraulic roller
Valve Lift (in):	.510 intake / .540 exhaust
Camshaft Duration (@.050 in):	211° intake / 230° exhaust
Cylinder Heads (P/N 12562920):	Iron rectangular port; 118cc chambers
Valve Size (in):	2.190 intake / 1.880 exhaust
Compression Ratio:	8.75:1
Rocker Arms (P/N 19260993):	Stamped steel
Rocker Arm Ratio:	1.7:1
Water Pump (P/N 12708488):	Cast-iron, long-style
Recommended Fuel:	Premium pump
Ignition Timing:	36° 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.