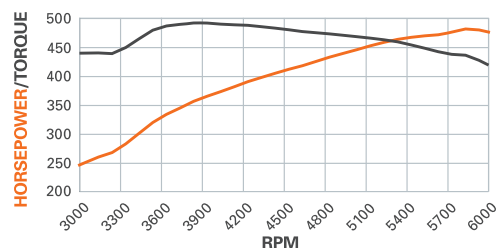


ZZ427/480 Deluxe

19331572 
480 hp
@ 6,000 rpm
490 lb.-ft.
@ 3,800 rpm

DYNO CHART



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



The classic L88 with a modern twist

The legendary L88 was the pinnacle of Chevy's Big-Block power, and the ZZ427/480 crate engine carries that spirit with modern updates that enhance performance, making it the ultimate expression of Chevy heritage for your classic Corvette.

Like the original, our ZZ427/480 combines a sturdy iron cylinder block with lightweight aluminum cylinder heads and a single four-barrel carburetor. That raspy crate engine was rated at 430 horsepower, although the figure was generally thought to be on the conservative side. We've upgraded the camshaft from the original's mechanical flat-tappet design to a smoother hydraulic roller, which delivers great drivability characteristics and a broader rev range. A 10.1:1 compression ratio means it will perform great on pump gas.

INSTALLATION NOTES

- Due to crate fitment, the carburetor is shipped in a separate box and needs to be installed by an engine installer
- Requires addition of starter and fuel pump (not included)
- Clutch linkage bosses are 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 internally balanced 14" automatic transmission flexplate; See page 202 for a listing of manual transmission flywheels offered by Chevrolet Performance; Requires flywheel designed for internally balanced engines
- Not intended for marine applications

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

TECH SPECS

Part Number:	19331572
Engine Type:	Chevy Big-Block V-8
Displacement (cu in):	427
Bore x Stroke (in):	4.250 x 3.750
Block (P/N 19170538):	Cast iron with 4-bolt main caps
Crankshaft (P/N 19171620):	Forged steel
Connecting Rods (P/N 19211226):	Forged steel
Pistons (P/N 19171618):	Forged aluminum
Intake Manifold (P/N 12363406):	Dual plane
Carburetor (P/N 19420445):	770-cfm
Camshaft Type (P/N 12366543):	Hydraulic roller
Valve Lift (in):	.527 intake / .544 exhaust
Camshaft Duration (@.050 in):	224° intake / 234° exhaust
Cylinder Heads (P/N 19331423):	Aluminum oval port, 110cc chambers
Valve Size (in):	2.190 intake / 1.880 exhaust
Compression Ratio:	10.1:1
Rocker Arms (P/N 19210726):	Aluminum roller-style
Rocker Arm Ratio:	1.7:1
Water Pump (P/N 19168602):	Aluminum short-style
Recommended Fuel:	Premium pump
Distributor:	Billet HEI type
Spark Plugs and Wires:	Included
Ignition Timing:	36° Total @ 4,000 rpm
Maximum Recommended rpm:	6,400
Balanced:	Internal
Flexplate (P/N 12561217):	14"

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



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.