

ZZ632/1000 Deluxe **NEW!**

19402060 

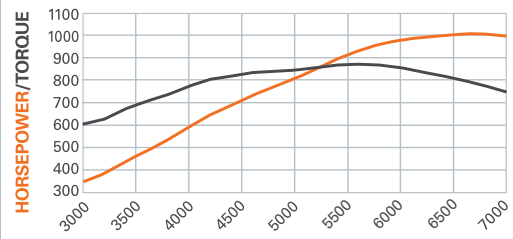
1004 hp

@ 6,600 rpm

876 lb.-ft.


@ 5,600 rpm

DYNO CHART



NOTE: Refer to page 14 for the complete horsepower and torque testing procedures.



Includes controller 

Chevrolet's Biggest, Baddest Big-Block Ever!

Chevrolet Performance's ZZ632 takes the legendary Big-Block to all-new thresholds of displacement performance. It's the largest Big-Block we've ever built—and with an incredible 1,004 horsepower and 876 lb.-ft. of torque on 93-octane pump gas, it's also the most powerful!

The ZZ632 starts with one of our tall-deck Sportsman Bowtie blocks as its foundation, adds an all-forged roller assembly, a hydraulic roller camshaft and all-new, high-flow spread-port cylinder heads derived from Pro Stock racing technology. An EFI induction system provides the precise fuel control to enable the crate engine's stunning output with pump gas.

Our Deluxe package comes complete from the oil pan to the throttle body, as well as a crank-trigger ignition system with coil-near-plug ignition coils mounted on a unique valley plate, plug wires, water pump, balancer and an aluminum single-plane intake manifold. The assembly also includes Chevy Orange valve covers with the "632" logo.

INSTALLATION NOTES

- Crate engine kit includes pre-programmed, self-learning control system
- Due to crate fitment, the throttle body is shipped uninstalled and must be installed by the engine installer
- Requires starter, EFI-compatible high-pressure fuel pump and air cleaner compatible with 4500-series (Dominator) mounting flange
- Cylinder head exhaust port design requires custom exhaust system
- Comes with a 14" automatic transmission flexplate (P/N 12561217); Requires internally balanced flywheel for manual transmission applications
- Not intended for marine applications

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

TECH SPECS

Part Number:	19402060
Engine Type:	Chevy Tall-Deck Big-Block V-8
Displacement (cu in):	632
Bore x Stroke (in / mm):	4.600 x 4.750
Block (P/N 19366599):	Cast iron Bowtie with 4-bolt main caps - tall deck
Crankshaft (P/N 19366600):	Forged 4340 steel
Connecting Rods (P/N 19432392):	Forged steel H-beam
Pistons (P/N 19366601):	Forged aluminum 2618 alloy
Intake Manifold (P/N 19366614):	Aluminum high-rise single-plane
Throttle Body (P/N 19366624):	4500-style
Fuel Injectors (P/N 19432057):	86-lb/hr
Camshaft Type (P/N 19432531):	Billet steel hydraulic roller
Valve Lift (in):	0.780 intake / 0.782 exhaust
Camshaft Duration (@ 0.050 in)	270° intake / 285° exhaust
Cylinder Heads (P/N 19431810):	Aluminum spread-port; 70cc chambers - RS-X design
Valve Size (in):	2.450 intake / 1.800 exhaust, titanium (5/16-in stem OD)
Ignition Type:	58X crank-triggered, coil-near-plug
Compression Ratio:	12.0:1 (nominal)
Rocker Arms (P/N 19431272):	Forged aluminum; roller-style
Rocker Arm Ratio:	1.8:1 (shaft-mount)
Water Pump (P/N 14058915):	Aluminum
Oil Pan (P/N 19366604):	Steel 8-quart
Recommended Fuel:	Premium pump (93 octane or higher)
Maximum Recommended RPM:	7,000 rpm
Balanced:	Internal
Flexplate (P/N 12561217):	14"



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.

TRANSMISSION OPTIONS

19419385 **NEW!**

SuperMatic™ 4L75-R Four-Speed Automatic

Based on the 4L60-E, the 4L75-E electronically controlled four-speed automatic was developed to support the output of the ZZ632 Big-Block crate engine. For strength, it features five-pinion gearsets, heat-treated stator shaft splines, an induction-hardened turbine shaft and more, including a unique valve body calibration. Does not include converter. Use with electronic controller 19332775 or 19302405, depending on the application. See page 34 for more details.



ENGINE RELATED PARTS & ACCESSORIES

Use with 4L75E-R SuperMatic™



Torque Converter
19299800 (2400-2800 stall)
19299801 (3000-3400 stall)
 page 33



19332775
Transmission Controller
 page 38



NEW!
19432403
Air Cleaner - Cast Aluminum
 page 214

UNIQUE COMPONENTS FOR THE ALL-NEW 632



NEW!
19366614 
High-Rise Intake Manifold
 page 212

NOTE: For tall deck block using RS-X cylinder heads



NEW!
19431272
Shaft Mount Roller Rocker Arms

19421273
Rocker Arm Base Plate
 page 212



NEW!
19432599
Valley Plate and Coil mounts
 page 212



19260247
Big-Block Crank Trigger Ignition Conversion Kit
 page 198