



**Charlotte County Government
Board of County Commissioners
Boater Revolving Fund Grant Application**

Out of Cycle

Name of Organization: Englewood Area Fire Control District

Principal Officer: Kevin Easton

Title: Fire Chief

Organization Address: 579 S. Indiana Ave. Englewood, FL 34223

Telephone Number: 941-474-3311

Email: keaston@englewood-fire.com

Any project for which funds are requested must have a public purpose, and must apply to one of the following categories: (select applicable category)

- | | |
|--|--|
| ☐ Waterway Management | ☐ Marine Debris Removal |
| ☐ Marine Law Enforcement | ☐ Dredging |
| ☐ Environmental Education | ☐ Boater Recreation |
| ☐ Protection of Marine Life & Aquatic Environment | ☐ Aids to Navigation |
| ☐ Public Boat Ramps & Launching Facilities | ☐ XBoaters' Safety & Education |
| ☐ Other Projects for Boater & Waterway Enhancement | |

Project Name: Englewood Fire Boat Replacement

Project Description: See attached

Explain how the project benefits the community as a whole: See Attached.

Why was this project not applied for during the regular cycle of funding? 1) It was not known at the time that funding from both Counties was a possibility, 2) It has recently been discovered the magnitude of disrepair the current Fire Boat is in.

Total Amount of Grant Funding Requested: \$150,000

Total Amount of Matching Funds Applicant is Contributing: \$300,000

Boater Safety/Education and Boater Recreation Projects require 50% applicant matching funds. Is Applicant requesting supplemental Local Boater Improvement funds to pay all, or a portion of the 50% required match?

Yes No X

If yes, provide justification. _____

Project Location: Stump Pass Marina 260 Maryland Ave. Englewood, FL 34223

Estimated Completion Date: Fall 2026

Are there other sources of funding for this project? Yes, Sarasota County WCIND \$150,000, Englewood Fire \$300,000

Is a permit required for this project? Yes No X If yes, list each, its type, and status. Attach all permits that have been issued or applied for: _____

Complete attached budget. Attach additional supporting documentation pertinent to your request.

Applicants should be available to the Marine Advisory Committee on the date of review to answer questions regarding the project. Dates of review will be posted on the Charlotte County public website at <https://www.charlottecountyfl.gov/boards-committees/mac/Pages/Application-Announcement.aspx>.



Principle Officer or BCC Department Director Signature

9/17/25

Date

Kevin Easton

Printed Name

Fire Chief

Title

You may submit your signed application via e-mail to Debbie.Thibideau@CharlotteCountyFL.gov.

Please direct questions regarding this granting opportunity to Debbie Thibideau at 941-743-1308.

☐

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Please complete your project's budget:

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Contractual Services (specify)			
Materials (specify)			
Equipment (specify)			
Metal Shark Firebrand 30 Boat (GSA Contract Pricing	150,000	450,000	600,000
Salaries ² (specify)			
Promotional materials (Specify)			
GRAND TOTAL	150,000	450,000	600,000

The budget may be adjusted between categories; however, the scope of the project may not change.

¹ Matching funds are **required** for WCIND Boating Safety/Education and Recreation projects.
² Salaries are eligible toward BIF grants. Salaries allowed for WCIND grant **only** for Law Enforcement projects.

The Englewood Fire Department is seeking WCIND grant funding to replace its 14-year-old fire boat, which has recently been discovered to be in a serious state of disrepair. The vessel has served as a critical resource for marine firefighting, search and rescue operations, and emergency medical response across Englewood's waterways. However, age and corrosion have severely compromised its reliability. Most recently, the fire pump and all associated piping were found to be heavily corroded and required full replacement, highlighting the declining condition of the vessel.

The proposed replacement will restore confidence in uninterrupted marine emergency response, enhance safety for first responders, and provide the community with a reliable and modern platform for fire suppression, rescue, and medical transport. Outfitted with advanced navigation systems, upgraded firefighting equipment, and improved patient care capacity, the new fire boat will strengthen regional maritime safety, support mutual aid with surrounding jurisdictions, and safeguard residents, visitors, and natural resources along Englewood's coastlines and inland waterways for years to come.

The replacement of the Englewood Fire Department's 14-year-old fire boat directly aligns with WCIND's mission to promote safe and sustainable use of coastal and inland waterways. A reliable fireboat is essential for:

- **Boating Safety:** Englewood's waterways are heavily used for recreation and commerce. A dependable, well-equipped fire boat ensures rapid response to vessel fires, medical emergencies, and search and rescue incidents, thereby protecting boaters and reducing risks on the water.
- **Environmental Protection:** Marine fires and fuel spills pose significant threats to sensitive coastal habitats. The new vessel's advanced firefighting and containment capabilities will allow for quicker mitigation of these hazards, protecting water quality and marine ecosystems.
- **Regional Collaboration:** The fire boat provides mutual aid to neighboring jurisdictions (including Charlotte and Sarasota Counties, and Boca Grande), expanding maritime emergency coverage and strengthening regional resiliency.
- **Community Assurance:** Replacing a vessel that has reached the end of its service life and is showing signs of severe corrosion ensures that residents, visitors, and businesses have confidence in their safety on the water.

By funding this project, WCIND will help sustain a vital piece of maritime emergency infrastructure that supports safe navigation, protects natural resources, and upholds the quality of life for all who live, work, and recreate in Englewood's waterways.

MetalCraft Marine

INCORPORATED

2025/06/30

349 Wellington St., Kingston, Ontario, K7K-6N7 & 22419 Fisher Rd., Watertown , New York, 13601

87-1367

Englewood, FL

Firebrand 30 T-Top

Standard Features

METAL HULL	\$265,213.80
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Firebrand 30X 10' 1" h.u. 1/4" hull plate, 3/16" decks. T-Top, Hull in 5083 or 5086 plate. Hull design is modified Deep V with fine entry with beaching plate.

METAL OTHER	\$3,833.13
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Superstructure

T-Top	Roof aft to transom	1
Center console	Standard	1
No gun locker arrgt		1

Equipment

Helm seat boxes	To support Seats IN suspension seats open storage under	4
Handrails Roof and Deck	Misc pipe Port & Stbd	2
Bow Monitor Flange	Metal	1
Forward anchor locker	Foredeck hatch or inforedeck cutout	1
Pump skid Engine box	Mounted on aft deck ahead of gunwale	1
Sea chest and screen	TBD	1
Interior safety rails	Misc	2
Dive Door	Port & Stbd sides	2
Pushknee bow	H configuration	1
Misc. MCM	Deck hardware	1
QA & Safety MCM		

PROPULSION	
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Propulsion System

Engines install	Prerigkit	1
Mercury outboards	300 Seapro BMS	1
	300 Seapro BMS CCR	1
Engine harness/guages/controls	Misc gear	1
Fluids	Misc	1
Props	SS	2

SYSTEMS		\$128,238.65
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Bilge System

Work Package	Materials		
Bilge Pumps	0	0	0
Installation hardware	SW SR		3
Wiring and Switches	Misc		1
	Misc		1
Fuel System	0 MCM design 150 gal tank		1

		0 Engnie filteters		2
		0 Fuel Shut off		2
		0 Cables		4
		0	0	0
Steering		0 Seastar power steering		1
Fire system as per NFPA 1925	Pump	Darley 1500 GPM pump		1
		0 KEM 6.2L 8 Cylinder pump engine		1
		0 Kern instrument panel		1
Piping	Al pipe -bow monitor	Piping/machining/fittings		1
	Aft storz	Aft deck		1
	Bow Monitor	Manual TFT with stacked tips Manual		1
		0	0	0
	Primer	Included in pump price		0
	Valves	Manual - 2 aft & fwd and pump		4
Exhaust System		0 Centek muffler and misc gear		1
		0	0	0
		0	0	0
		0	0	0

FITOUT				\$35,451.13
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	Work Package	Materials	
Painting	Sandblast	Alum finish hull topsides, sandblast bottom	1
	Anti-fouling	International Paints, epoxy primer and antifouling	1
	Non-skid	Sandblasted decks/gunwales	1
	Interior Painting	Console, interior Zolatone Grey or black	1
	Decals	\$1,500 allotted	1
Interior Fit Out		0 0	0
	Equipment Installation	0	1
	Windows	MCM rubber mounted windows	1
	Wipers	Wiper system with washer	1
		0 0	0
	Seats	Seatco	4
	Flooring	Interior rubber flooring by way of console	1
			0
Exterior Fit Out	Insulated engine box	pump/engine box	1
		0 0	0
	Dive tank rack	6 tank rack	6
	10 lb anodes	Misc	4
		0 0	0
		0 0	0
	Dock lines	Various sizes	1
	Anchor chain & Rode 250'	0	1
	D rubber	3" D Rubber	1
	Boat hooks	Telescopic boat hooks	1
	Life ring	Type IV life ring with light, 50' line, bracket	1
		0 0	0
		0 0	0
		0 0	0

ELECTRICAL				\$49,336.24
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	Work Package	Materials	
Electrical system	Wire and cable	ABYC spec'd wire/cable	1
	Electrical labeling	ABYC spec'd wire/cable	1
	Electrical schematic	Design	1
	Electrical Panels	Electrical panel w/breakers	1

Lights	A/C panel shorepower	8 brkr	1
	Batteries	CCA batts	4
	Battery Boxes	Boxes w/brackets	4
	Spot light	Stryker Gollight	1
	Batt Selector Switch	Blue sea switch	3
	DC Main breaker	Single master	1
	Outlet	DC outlet	1
	T-Top Lighting (LED)	Red/White dome lts LED	4
	Deck Lighting	Flood lights LED Imtra	3
	Navigation lts (LED)	Nav lts only	5
Emer lights	Light bar	Whelen mini liberty	0
			1
	Corrosion meter	Marine	0
	Bat. Iso.	Power gate	1
Navigation Equipment			1
	D/C outlets	Bluesea	0
	Shorepower	30 amp service - boat connection, isolation trans, breaker	2
	Cord	25' power cord	1
	Transformer	Victron	1
	Batt charger	Newmar 3 bank	1
			1
	Siren and speaker	Whelen WPA3 and WPA112	0
	Chart Plotter Combo	Axiom Pro 12 RVM	1
			0
	Radar	Ray Quantum 18" radar	1
	Depth/chirp	RV-320 Realvision 3D trnsducers P&S	1
			0
	Compass	Ritchie 3"	1
			0
	VHF Radio	Icom M330	1
	Misc cables for Nav system	STNG starter kit, 5 way connector	1
			0
			0
			0
			0
MISCELLANEOUS			\$23,704.86

	Work Package	Materials	
Miscellaneous Items	Manuals	1 hard copy and 1 electronic	1
	Inspection Services	Visits to Build shop	0
	Tank Testing	All tanks	1
	Miscellaneous Fasteners	316 fasteners	1
	Design & Engineering	As built dwgs & electrical schematic	1
	Testing & Trials	Fuel	1
	Weighing of Boat	Crane	1
	Load and prep	Misc	1
	Commissioning of boat and training	Misc expenses, Dana	1
	Clean up and Q/A	QA/QC/Misc.	1
	Warranty	10 year Hull warranty	1
	Delivery	Trucking	1
Total Price (Above Configuration)			\$599,052.51

GENERAL NOTES

REVISIONS

1. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETERS.

REV	SH	ITEM	DESCRIPTION	DATE	APPVL SIG & ORG
B0	ALL	-	PRELIMINARY GA	2025-07-04	JM/s/
B1	ALL	-	CHANGE ENGINE TO SEAPRO 300; FUEL TANK TO 150 USG	2025-08-28	DW/s/

No.	TITLE	DRAWING NO.
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REFERENCE DOCUMENTS

SPECIAL NOTATIONS

TECHNICAL DESIGNATION

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METALCRAFT MARINE INC.
349 WELLINGTON ST.
KINGSTON, ON
K7K 6N7

PHONE: (613) 542-1810
CONTRACT/PO NO.

ENGLEWOOD FIRE DEPARTMENT

30FT FIREBRAND
ENGINEERING AND INTEGRATION
SHIPBUILDER DRAWINGS
GENERAL ARRANGEMENT
TITLE SHEET

DESIGNED: MCM/s/	2025-07-04
DRAWN: LN/s/	2025-07-04
CHECKED: JM/s/	2025-07-04
APPROVED: JM/s/	2025-07-04
APPVL SIG /s/	
SIGNATORY TITLE	

SIZE	FSCM CAGE NO.	DRAWING NO.	REV
B	1T8W7	FB30-81367-801-001	B1
SCALE	1:50	STATUS: RELEASED	SHEET 1 OF 2

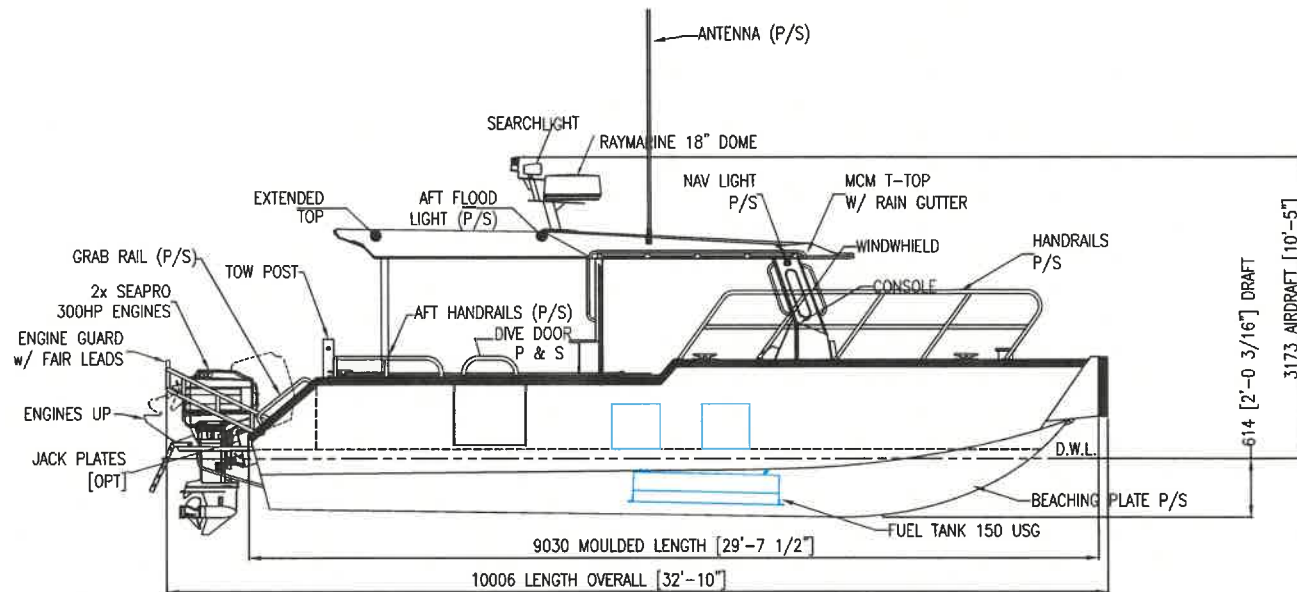
VESSEL PARTICULARS	
LENGTH OVERALL	10006 (32'-10")
LENGTH MOULDED	9030 (29'-7 1/2")
BEAM OVERALL	3200 (10'-6")
BEAM MOULDED	3150 (10'-4")
DEADRISE	16"
ENGINES	2x SEAPRO 300HP w/BMS
SPEED	T.B.D.
PUMP	1200-1500 G.P.M.

2	B1	ELEVATIONS
1	B1	TITLE SHEET
SH	REV	TITLE

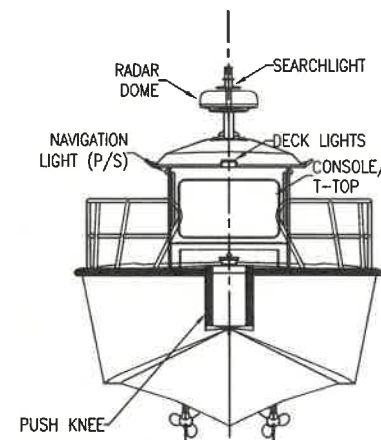
SHEET REVISION STATUS AND TITLE INDEX

30FT FIREBRAND	87-1367
PLAN SET	HULL

HULL APPLICATION TABLE



PROFILE

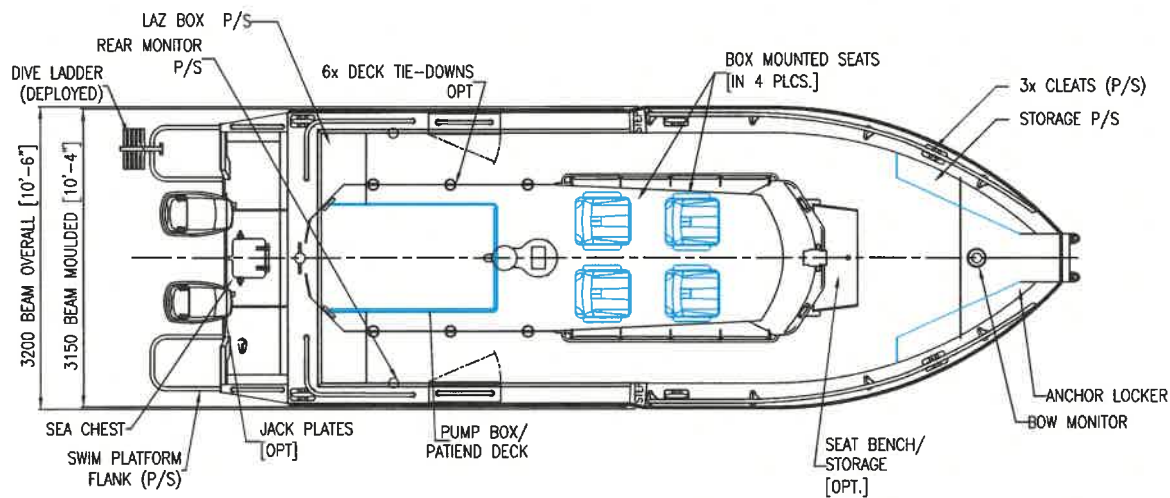


BOW ELEVATION

NOTE: SOME OPTIONAL ITEMS MAY BE SHOWN

METALCRAFT MARINE
INCORPORATED
ENGLEWOOD FIRE DEPARTMENT

30FT FIREBRAND
ENGINEERING AND INTEGRATION
SHIPBUILDER DRAWINGS
GENERAL ARRANGEMENT
ELEVATIONS



PLAN

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SIZE	FSCM CAGE NO.	DRAWING NO.	REV
B	1T8W7	FB30-81367-801-001	B1
SCALE	1:50	STATUS: RELEASED	SHEET 2

"LS3" 6.2L V8 Marine Engine

Features & Benefits

- High flow cylinder head design to improve exhaust port flow
- Enhanced valvetrain enables a more direct intake port
- Returnless fuel injection with stainless steel fuel rail
- Intake ports revised to match new cylinder head. The new composite intake manifold is manufactured with a lost core process to improve runner to runner variation and to reduce flow losses. Acoustic foam is sandwiched between the outside top of the intake manifold and an additional "skull cap" acoustic shell to reduce radiated engine noise. Structural enhancements have been added to the manifold bosses.
- Larger bore block with structural improvements improves block structure and bay to bay breathing
- Pistons include design enhancements for the higher engine output
- Higher flow injectors
- Beauty cover has a revised appearance and acoustic treatment



Factory-installed EFI hardware, including coil-near-plug ignition, is standard on the "LS3" 6.2L V8 marine engine.



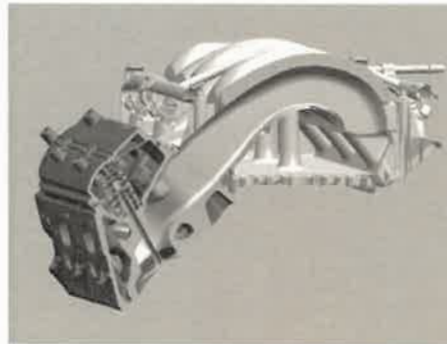
MEFI-5 (Marine Electronic Fuel Injection - Fifth-Generation), is an advanced engine controller capable of meeting all the emissions, OBD-M and driveability requirements of marine applications.

Available Options

- An electronic control module (ECM) and related hardware are available in kit form. The ECM uses state-of-the-art technology to optimize fuel and spark control.
- "LS3" Sight Shield and related mounting hardware are available in kit form.
- GM-designed accessory drive components will be available in kit form.

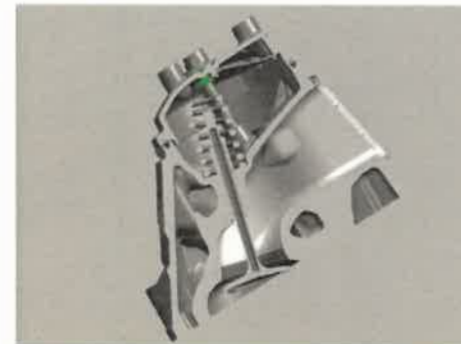
"LS3" 6.2L Feature Focus

Considered by many as a key member in our "Image" engine category, the "LS3" is continuing as an offering for marine applications in the 2009 model year. The LS3 exceeds customer expectations with outstanding overall performance.



Induction System Improvements (Intake manifold flow path)

The LS3 engineering team focused on design elements to increase flow efficiency in addition to the displacement increase, to meet the performance enhancement. The bore was increased to a larger 103.25 mm diameter compared to the LS2 bore of 101.6. Engine stroke remains at 92.0 mm. Intake flow efficiency was optimized by straightening out and optimizing the flow path from the intake manifold into the cylinder heads. A high flow efficiency induction system is borrowed from the Z06 application. The cylinder head exhaust ports have been modified to increase flow.



High Flow Cylinder Heads and Enhanced Valvetrain

The intake port size and shape have been modified to increase flow. Casting changes were made to increase the opening at the exhaust face to improve exhaust port flow. A new exhaust manifold opening is required to match the heads. The inlet rocker arm is offset 6 mm between the valve tip and rocker bolt/push rod to enable a more direct intake port. The intake valve diameter is increased from 50.8 to 55.0 mm. Hollow stem intake valves were implemented to enable the higher engine rpm capability (13% reduction in mass from LS2). The exhaust valves are 40.4 mm in diameter. Carryover LS2 high load valve springs are also included for higher rpm capability. Intake lift increases from 13.25 mm to 14.0 mm. Exhaust lobes are carryover LS2. Camshaft timing is revised.



Additional Features

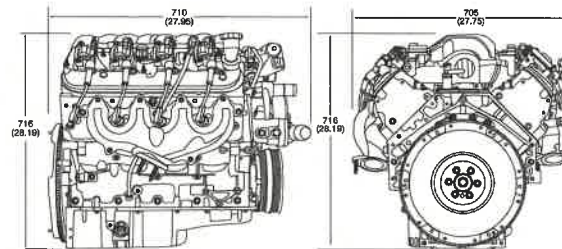
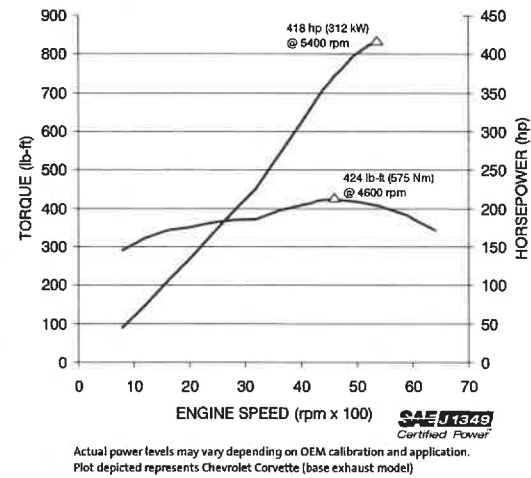
- Superior engine sealing system features one-piece rear main seal, one-piece front crankshaft seal, and controlled-compression gaskets on the oil pan, front cover, raised rail rocker arm covers, and intake manifold
- Cast-iron crankshaft has undercut and rolled fillets for durability
- Metric fasteners used throughout
- 100% cold testing performed at engine plant to verify product quality

Specifications

Type: 6.2L Gen-IV V8 Small Block
Displacement: 6162 cc (376.0 ci)
Compression Ratio: 10.7:1
Valve Configuration: Overhead Valves
 (2 valves per cylinder)
Assembly Site: St. Catharines, Ontario
Valve Lifters: Hydraulic Roller
Firing Order: 1 - 8 - 7 - 2 - 6 - 5 - 4 - 3
Bore x Stroke: 103.25 x 92 mm
Fuel System: Port Fuel Injection
Fuel Type: Premium Fuel Recommended
Engine Orientation: Longitudinal
Valves Per Cylinder: 2
Bore Center (mm): 111.76
Engine Mass: TBD
Application: Chevrolet Corvette (Base Exhaust Model)
Emission Controls: Positive Crankcase Ventilation (PCV)
Horsepower:
 418 hp (312 kW) @ 5400 rpm SAE CERTIFIED
Torque:
 424 lb-ft (575 Nm) @ 4600 rpm SAE CERTIFIED
Actual power levels may vary depending on OEM calibration and application.
Fuel Shutoff: OEM Defined

Materials:

Block: Cast Aluminum
 Cylinder Head: Cast Aluminum
 Intake Manifold: Composite
 Exhaust Manifold: Cast Nodular Iron
 Main Bearing Caps: Powder Metal
 Crankshaft: Cast Iron with Undercut and Rolled Fillets
 Camshaft: Hollow Steel
 Connecting Rods: Forged Powder Metal
 Additional Features: Extended Life Spark Plugs
 Oil Level Sensor



GM Powertrain

www.gmpowertrain.com