



V MAX SHO®  
**115** *25-inch!*  
 X-SHAFT

V MAX SHO®  
**175** *25-inch!*  
 X-SHAFT

**NEW**

EFFECTIVE  
 DECEMBER 5, 2016

## V MAX SHO® Family Expands Again to Meet the Needs of More Specific Boating Applications

The V MAX SHO family changed the game in the market for high-performance four-stroke outboards. Based on the reality that Yamaha technology can provide a four-stroke that rivals a two-stroke in weight, hole shot and top speed, the V MAX SHO family expanded in 2015 to include the V MAX SHO 115 and the V MAX SHO 175. Enhancing these offerings is the arrival of the V MAX SHO 115 X-Shaft and V MAX SHO 175 X-Shaft to meet the needs of boaters in more markets.

A 25-inch shaft for these models means that users of some pontoon applications—and aluminum fishing boats in particular—can now enjoy the benefits for which the V MAX SHO has become famous. These X-Shaft models are also ideal for a variety of bay boats, center console boats and multi-species boats that require a 25-inch shaft length.

### V MAX SHO 115 *25-inch!*

The V MAX SHO 115 X-Shaft accommodates specific applications where a compact, light weight 25-inch solution is desired, capable of performance typically associated with two-strokes, but with the convenience and quiet of a four stroke.

#### LIGHT WEIGHT

Without the need for two-stroke oil or an oil tank, this X-Shaft weighs 386 pounds, beating a competitor's two-stroke in weight. The V MAX SHO 115 X-Shaft uses a lightweight composite lower pan and cowling, a single-ram power trim and tilt mechanism and a lightweight mounting bracket.

*continued on next page*



Not intended for multi-engine applications.

**Available Models: VF175XA, VF115XA**

**YAMAHA**  
*Revs Your Heart*

# V MAX SHO® 115 <sup>25-inch!</sup> X-SHAFT / 175 <sup>25-inch!</sup> X-SHAFT

*continued from page 1*

## **POWERFUL & FAST**

The 1.8-litre V MAX SHO 115 X-Shaft features Yamaha's advanced 16-valve double-overhead cam (DOHC) four-cylinder design, which means better breathing for better performance. Sixteen valves also mean more power and midrange torque. They are fed by a large single throttle body with Yamaha's long-track intake system and a free-flow exhaust.

---

## **V MAX SHO 175 <sup>25-inch!</sup>**

Whether you are running a deep-V aluminum fishing boat, bay boat, center console boat or multi-species boat, this X-Shaft truly delivers the performance you have come to expect from a Yamaha V MAX SHO while providing all the benefits associated with four-stroke power, including clean, quiet operation and great fuel efficiency.

## **POWERFUL & FAST**

The V MAX SHO 175 X-Shaft delivers great overall performance and class-leading top speed, thanks to Yamaha's Variable Camshaft Timing (VCT™), which helps the 2.8-litre inline four develop lots of power in the midrange where it counts.

## **SMOOTH & EFFICIENT**

With advanced double overhead cams, four valves per cylinder and twin counterbalance shafts, this X-Shaft is smooth and powerful. It's also extremely fuel efficient, delivering 30 to 40 percent better fuel efficiency than a carbureted two stroke.

## **ADDITIONAL SPACE**

Efficient use of space is another benefit since there's no need for an oil tank or carrying two-stroke oil, which means more room for batteries, tackle or storage in the boat.

## **EASY RIGGING**

Thanks to mechanical control, the outboard offers easy rigging. Equip it with your choice of analog, 6Y5 digital or Command Link® gauges.

## **RELIABILITY**

With proven Yamaha four-stroke marine specific architecture, the V MAX SHO 175 X-Shaft will provide years of reliability.

# V MAX SHO® 115 <sup>25-inch!</sup> X-SHAFT / 175 <sup>25-inch!</sup> X-SHAFT

## Specifications: V MAX SHO 115 X-Shaft

### ENGINE

Type	In-Line Four-Cylinder
Displacement	1832cc (111.8 ci)
Bore x Stroke	81 x 88.9mm (3.19 x 3.5in)
Full Throttle RPM Range	5300 ~ 6300
Variable Trolling RPM Range	600 ~ 1000
Horsepower Rating at Propshaft	115hp at 5500 rpm
Compression Ratio	10.0:1
Fuel Induction/Scavenging	EFI (DOHC)
Alternator Output	35 Amp
Starting Method	Electric w/ PTT
Ignition	TCI Micro-computer
Lubrication	Wet Sump
Degree of Trim	-4° through +16°
Degree of Tilt	70°
Exhaust	Through Propeller
Cooling	Thermostatic Control

### DRIVE

Gear Shift	F-N-R
Gear Ratio	2.15:1
Control Method	Mechanical

### SHAFT LENGTH

See Model Code	X=25"
----------------	-------

### FUEL AND LUBRICATION

Recommended Fuel	Regular Unleaded (up to 10 percent ethanol) (Minimum Pump Octane 87)
Recommended Oil	Yamalube® 4M (See Owner's Manual)
Engine Oil Capacity	3.2L / 3.0L (w/without filter) 3.4qt / 3.2qt (w/without filter)

### LIMITED WARRANTY

Pleasure	Three Years
Government	Two Years
Commercial	One Year

### WEIGHT

175 kg / 386 lbs\*

\*Weight estimated at time of publishing. Weight is measured without motor oil, gearcase oil and propeller (except on models that include standard propeller)

## Features

### POWER/PERFORMANCE

- New Lightweight, Compact, Powerful Design
- 1.8L High Output Four Cylinder
- 4 Large Diameter Valves Per Cylinder
- Double Overhead Camshafts
- Tuned Long-Track Induction System
- Electronic Multi-Point Precision Fuel Injection
- 4 Independent Fuel Injectors
- 4-to-1 Exhaust

### RELIABILITY/DURABILITY

- TCI Microcomputer Ignition System
- Direct Drive System
- Wet Sump Lubrication
- Engine Warning System
- Water Separator
- Direct Coil-in-Cap Ignition System
- Mechanical Single Throttle Valve Intake System
- Water Draining Air Intake Duct
- Magnetic Drain Plug
- SST Drive, Prop, Shift Shafts
- SST Steering Tube
- Sacrificial Anodes
- YDC-30 Aluminum Alloy
- Phaze Five Paint System
- Electro-deposited Powerhead Paint System
- Alumite Exhaust Annodization

### CONVENIENCE/CONTROL

- Easy Maintenance
- High Output Alternator
- Command Link® or Analog Gauge Compatibility
- External NMEA-2000® Display Compatibility
- Power Trim & Tilt
- Variable Trolling RPM Switch (VTS)
- Freshwater Flush
- Vibration Reduction Mounting System
- Reversible PTT Switch
- Yamaha Diagnostic System
- Multi-Charge Monitoring System
- Single Cogged Timing Belt System with Automatic Tensioner
- C.A.R.B. Ultra Low Emissions 3 Star Rating
- Meets All Current Federal EPA Emission Standards
- Easy Access, Self-Draining Oil Filter

# V MAX SHO® 115 <sup>25-inch!</sup> X-SHAFT / 175 <sup>25-inch!</sup> X-SHAFT

## Specifications: V MAX SHO 175 X-Shaft

### ENGINE

Type	In-Line Four-Cylinder
Displacement	2785cc (170 ci)
Bore x Stroke	96 x 96.2mm (3.78 x 3.79in)
Full Throttle RPM Range	5000 ~ 6000
Variable Trolling RPM Range	650 ~ 900
Horsepower Rating at Propshaft	175 hp at 5500 rpm
Compression Ratio	10.3:1
Fuel Induction/Scavenging	EFI (DOHC)
Alternator Output	50 Amp
Starting Method	Electric w/ PTT
Ignition	TCI Microcomputer
Lubrication	Wet Sump
Degree of Trim	-4° through +16°
Degree of Tilt	70°
Exhaust	Through Propeller
Cooling	Thermostatic Control

### DRIVE

Gear Shift	F-N-R
Gear Ratio	1.86:1
Control Method	Mechanical

### SHAFT LENGTH

See Model Code	X=25"
----------------	-------

### FUEL AND LUBRICATION

Recommended Fuel	Regular Unleaded (Minimum Pump Octane 89)
Recommended Oil	Yamalube® 4M (See Owner's Manual)
Engine Oil Capacity	4.5L / 4.3L (w/without filter) 4.7qt / 4.5qt (w/without filter)

### LIMITED WARRANTY

Pleasure	Three Years
Government	Two Years
Commercial	One Year

### WEIGHT

222 kg / 489 lbs\*

\*Weight estimated at time of publishing. Weight is measured without motor oil, gearcase oil and propeller (except on models that include standard propeller.)

**REMEMBER** to always observe all applicable boating laws. Never drink and drive. Dress properly with CCG-approved personal floatation device and protective gear. This document contains many of Yamaha's valuable trademarks. It may also contain trademarks belonging to other companies. Any reference to other companies or their products are for identification purposes only, and are not intended to be an endorsement. Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change without notice, equipment, materials, specifications or prices. The information and data contained herein is approximate and subject to many factor and variables, including but not limited to atmospheric, water and equipment conditions and operator ability. Therefore, such information and data is provided as a guideline only. © 2017 Yamaha Motor Canada Ltd. All rights reserved.

## Features

### POWER/PERFORMANCE

- Lightweight, Compact, Powerful Design
- 2.8L High Output Four Cylinder
- Variable Camshaft Timing System (VCT)
- 4 Large Diameter Valves Per Cylinder
- Double Overhead Camshafts
- Tuned Long-Track Induction System

### RELIABILITY/DURABILITY

- TCI Microcomputer Ignition System
- Wet Sump Lubrication
- Engine Warning System
- Water Separator
- Direct Coil-in-Cap Ignition System
- Sacrificial Anodes
- High Output Alternator
- Electronic Single Throttle Valve Intake System
- YDC-30 Aluminum Alloy
- Phaze Five™ Paint System

### CONVENIENCE/CONTROL

- Easy Maintenance
- Command Link® or Analog Gauge Compatibility
- Power Trim & Tilt
- Variable Trolling RPM Switch (VTS)
- Freshwater Flush
- Vibration Reduction Mounting System
- Mechanical Controls
- Easy Access, Self-Draining Oil Filter