



*Innovative & Reliable*  
*Outboards*

Reliability Starts Here.®





## THERE'S A SPECIAL FEELING OUR BOATERS LIKE TO CALL THE YAM-AHA MOMENT.

It happens when they turn the key, and their Yamaha starts right up. Or when they go to start their Yamaha again, only to realize it's already running quietly. It happens when they accelerate effortlessly to plane, or brave swells with confidence, knowing their Yamaha will return them to port before the storm. These are the moments. The "AHA" moments when they're reminded that Yamaha was the right choice.

As boaters ourselves, we can't wait to show you what's next. Like our expectation-shattering, new 5.6L V8 XTO Offshore® outboard—the industry's first, direct-fuel-injection four stroke, our redesigned high-thrust T25 with class-leading power to weight, and our new, I-4 V MAX SHO® 90—one of the most powerful 90-horsepower outboards on the water. And that's just for starters. Our popular V6 Offshore F300 now offers a 35-inch shaft and there are several exciting new capabilities in our Helm Master® boat control system.

With each turn of the page, you'll find another "AHA". It's why boaters and boat builders choose Yamaha again and again. They know they can count on us, not simply to provide a reliable boating experience, but a better and more satisfying one—and that's *the real "AHA" moment*.

**Reliability Starts Here.®**



## AN ENTIRELY NEW SPECIES OF EXTREME PREDATOR IS MOVING QUIETLY OFFSHORE.

Yamaha's all-new 5.6L V8 425-hp XTO Offshore is designed from the ground up to be smarter, more powerful and more efficient than anything you've seen offshore. With its extreme control, precision and reliability, the XTO Offshore lets you go further, faster and with more confidence than ever before. With industry-first technology like a direct-injection four-stroke powerhead and an all-electric steering system, it's so much more than an outboard. It's a fully integrated power system. And it's elevating the entire offshore boating experience. Aim for the horizon—and beyond—with the Yamaha XTO Offshore.

**XTO**  
OFFSHORE®  
INTEGRATED POWER SYSTEM

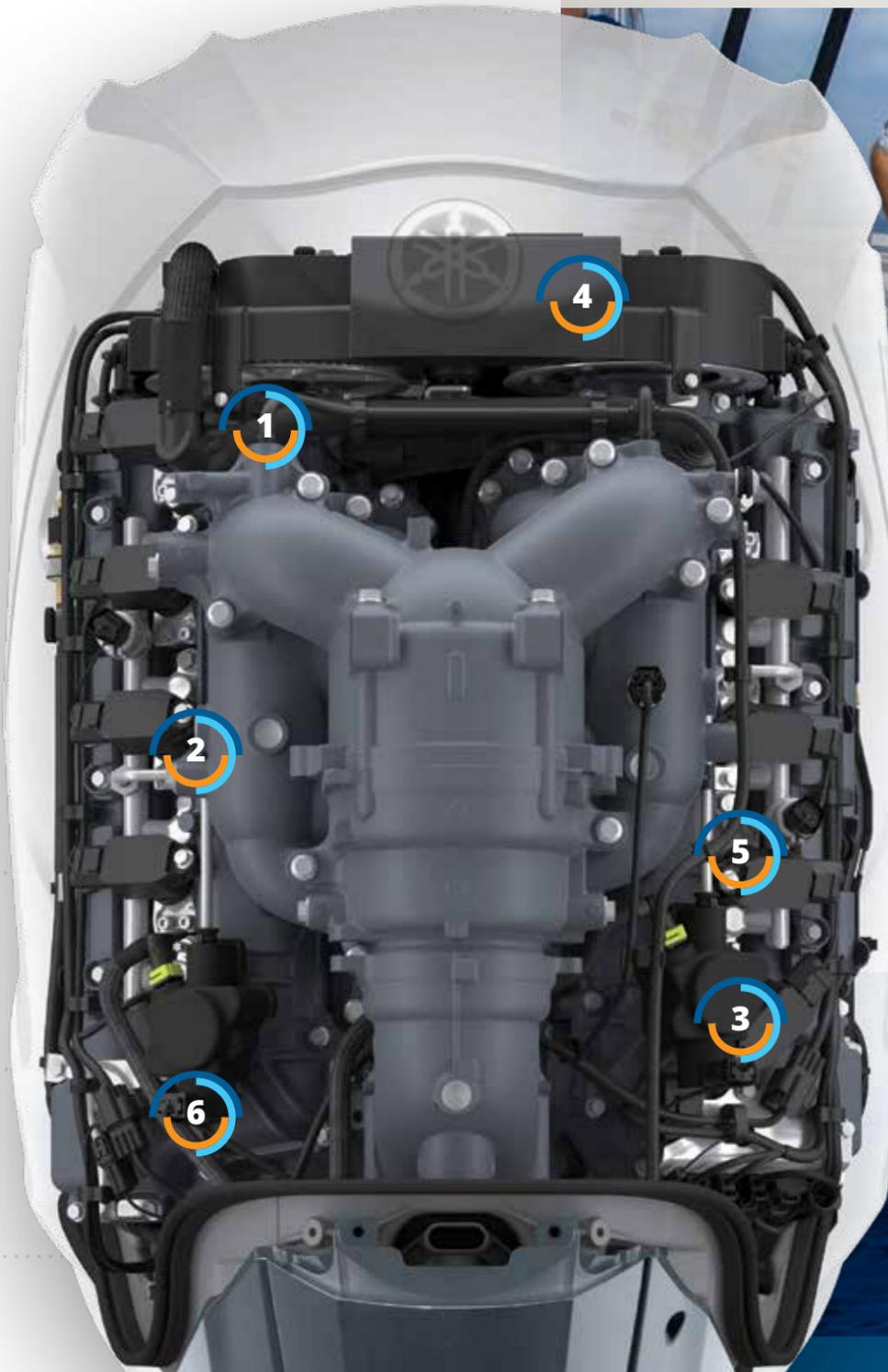
5.6L V8  
XTO OFFSHORE®

XF425 hp



## SETTING NEW STANDARDS FOR EXTREME TOUGHNESS AND RELIABILITY.

The Yamaha XTO Offshore is engineered to withstand the harshest conditions and safely get you back to port. With proven technology and enhanced, high-quality components like plasma-fused sleeveless cylinders, carbon-coated lifters, an oversized gearcase, hardened gears and industry-first electric steering, it's designed to be dependable, tenacious and enduring.



Up to **300% MORE REVERSE THRUST**  
*than the Yamaha F350*

Up to **72 AMPS**  
*net charging at around 1,500 RPMs*

**12.2:1 COMPRESSION**  
*ratio is the industry's highest*

- 1 LOW MAINTENANCE, LONG LIFE.** The Endurance-Driven Camshaft ensures quiet, precise valve timing, compact design, low maintenance and long life.
- 2 INDUSTRY'S FIRST DIRECT-FUEL-INJECTION FOUR STROKE.** The first four-stroke outboard ever with direct injection maximizes power and efficiency by spraying fuel at high pressure directly into the combustion chamber.
- 3 EXCLUSIVE FUEL SYSTEM.** A three-stage, low-medium-high-pressure fuel pump system works, in part, due to two independent RPM-activated fuel pumps in the Vapor Separator Tank. This unique five-pump system creates an unprecedented fuel injection pressure of up to 2900 PSI to further maximize atomization and efficiency.
- 4 BATTERY CHARGING ELECTRONICS.** The High-Output Alternator delivers 90-plus amps of total available power, with up to 58 amps at trolling RPMs and up to 72 amps net charging at around 1,500 RPMs, where it's needed most.
- 5 INCREASED DISPLACEMENT.** Plasma-Fused Sleeveless Cylinders are 60 percent harder than steel, but lighter and more compact, allowing for larger cylinders and increased displacement.
- 6 PRECISE LUBRICATION.** The Dual-Chamber Oil Pump ensures the proper flow and delivery at every engine speed.

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## OFFSHORE POWER THAT'S CHANGING EVERYTHING.

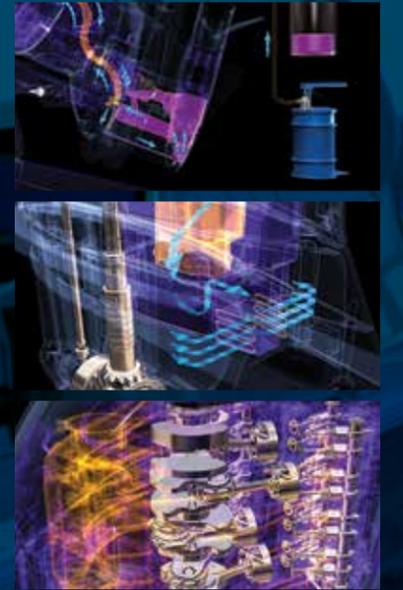
The XTO Offshore delivers so much thrust and power that it's revolutionizing every aspect of offshore boating. It's inspiring the design of an entirely new class of 50-foot-plus boats and providing extreme, unparalleled performance for the yachting class. The XTO Offshore moves the big rigs more reliably and efficiently, with a naturally aspirated big block and the industry's first direct-injection four stroke.



**TWO-STAGE WATER PUMP** improves temperature control in extreme conditions and provides proper cooling water flow at all RPMs, thanks to a rubber impeller for high pressure and flow, and a steel impeller that ensures the cooling system is always primed and working at peak efficiency. **QUAD THERMOSTATS** are designed for enhanced reliability, and each cylinder bank has two thermostats, for a total of four. The first pair helps regulate engine temperature, while the second helps regulate oil temperature. **IRIDIUM SPARK PLUGS**, which are made from one of the rarest (and hardest) elements on earth, provide improved throttle response, fuel economy, power and service life.

Runs on **89** OCTANE gasoline

**XTO OS® PROPELLERS** have large diameters up to 17 1/8" and pitches from 15 to 25 with a massive blade surface area to help produce incredible power and control.



**IN-WATER GEAR LUBE CHANGE SYSTEM.** For the first time ever, a technician can drain and replace your outboard's lower-unit lubricant without having to remove your boat from the water. **THRUST-ENHANCING EXHAUST ROUTING.** For more control at lower speeds and increased precision of our Helm Master integrated boat control system, exhaust is diverted away from the propeller at RPMs below 2,500. It helps the XTO attain up to 300 percent more reverse thrust than the Yamaha F350. **IN-BANK EXHAUST.** To streamline the powerhead and improve flow, intake tracks enter the cylinder head from outside the powerhead, giving exhaust a direct route to the lower unit for exit through the propeller hub.

## OUTBOARD IS AN UNDERSTATEMENT.

Simply calling the XTO Offshore an outboard is an enormous understatement. In reality, it's a *fully integrated power system*. It's the first to have an integrated electric steering unit. This is more responsive and precise than conventional steering systems because there's no electric pump, hydraulic lines or linkages. When you combine this with Helm Master® and its Set Point® suite of functions, and our CL7™ touchscreen display, you have so much control.



**CL7 TOUCHSCREEN DISPLAY.** Monitor vital boat functions and performance of up to four outboards with one gauge, access Helm Master and its Set Point suite of boat control functions, and access other boat systems and information. It's available with or without optional detailed fresh and saltwater maps.

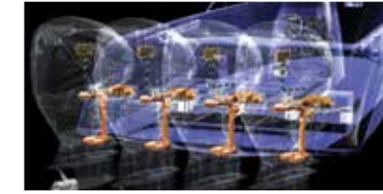


## INGENIOUSLY DESIGNED FOR EXTREME CONVENIENCE.

Unmatched power, performance and efficiency weren't the only musts when the XTO Offshore was being designed. The ease of serviceability had to be groundbreaking, too. The end result includes a Dual Flush System, which is uniquely designed to flush through a built-in flushing system hose routed through the rigging tube/grommet, or through conventional, front-mounted, direct-hose hook-up. The Pump Stop Power Tilt Limit saves power and reduces noise at full trim in/out by shutting off the tilt pump when it reaches maximum tilt setting. And with increased tilt-up range up to 73 degrees, the XTO allows the entire motor and lower unit to be raised out of the water in most conditions.

### MULTI-PART COWLING SYSTEM.

The unique, multi-part XTO cowling is designed to allow easier access to specific parts of the powerhead and midsection. The cowling and engine covers are integrated using captive fasteners and a special one-piece seal, which helps prevent water intrusion and the potential for corrosion.



### INDUSTRY-FIRST ELECTRIC STEERING.

An electric motor directly moves and secures the outboard, rather than using typical electro-hydraulics. This delivers responsive, precise, leak-free steering, uses less power, streamlines rigging and reduces maintenance. **INTEGRAL ELECTRONIC STEERING CONTROL UNIT.** The V8 XTO Offshore sends signals from the helm to its integral electronic steering control unit, controlling functions such as toe-in/out, joystick thrust, lock to lock and steering friction. **HELM MASTER® SET POINT® UPGRADE.** Upgrades allow you to adjust heading and position while remaining in Stay Point®, Fish Point® or Drift Point® modes, and troll below standard in-gear troll speeds—as low as 0.5 mph in calm water.



## THE ADVANTAGES OF OFFSHORE INNOVATION.

A hundred miles offshore, in high seas and rough winds—that's where our V6 Offshore four strokes are right in their element. They're made to handle big waters, with 4.2 liters of big-bore displacement. But for outboards big on power, they're deceptively light and quick. From the mighty 300 hp and 250 hp through the feisty 225 hp, our V6s are a versatile bunch. And, they just keep getting better. In fact, the F300 now offers a pearlescent white cowling and a 35-inch shaft, accommodating even more offshore applications. Everyone who ventures offshore should enjoy the confidence of a 4.2-liter Yamaha V6.

## 4.2L V6 OFFSHORE SERIES

*F300 - F225 hp*



## THE SMARTEST V6 OUTBOARDS, OFFSHORE.

Our V6 4.2L four strokes are among the lightest, most powerful and most fuel-efficient outboards offshore. Beyond having the horsepower and displacement to plane an offshore boat with ease, they feature many powerful advantages that make them the power of choice for offshore anglers.

Up to **51<sup>lbs</sup> LIGHTER**  
than other V6 outboards 250-300 hp\*

Up to **29% HIGHER**  
gross charging power than other  
V6 four strokes\*

Up to **16% MORE**  
displacement than competitive  
V6 four strokes\*



**1 MORE POWER.** Plasma-fused cylinders result in larger cylinder bores for greater displacement, power, torque and reduced weight.

**2 MAXIMUM RELIABILITY.** Air intake labyrinth system filters out water from air entering the engine's intake.

**3 LONG-RANGE FUEL ECONOMY.** Multi-Point Electronic Fuel Injection ensures a precise mix of air and fuel for combustion efficiency.

**4 HOLE SHOT & ACCELERATION.** Variable Camshaft Timing (VCT) boosts power and throttle response in the low- and mid-RPM ranges.

**5 LIGHT WEIGHT.** A composite polymer lower engine pan reduces weight and increases corrosion resistance.

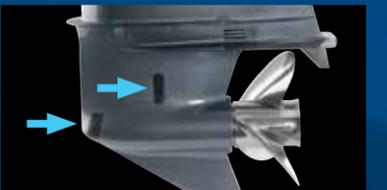
**6 CORROSION RESISTANCE.** Our Ultimate Corrosion Protection System includes proprietary alloys, a five-layer paint process and sacrificial anodes.

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\*Compared to V6 four-stroke outboards, 250-300 hp. This is based on published data available at the time of publication.

## UNRIVALED PERFORMANCE.

With their combination of power, efficiency, light weight and speed, the performance of our V6 Offshore four strokes is unrivaled. The only thing that can make it even better is the right propeller. Genuine Yamaha Propellers are engineered to enhance the performance of our outboards—improving acceleration, top-end and even the ride quality. In fact, our Saltwater Series II™ SDS® and Saltwater Series HS4™ SDS propellers feature our exclusive Shift Dampener System (SDS), for an exceptionally smooth and quiet ride.



■ **INCREASED RELIABILITY AND EFFICIENCY.** A superior design features fewer moving parts than conventional rocker arm systems for increased reliability, and uses four valves per cylinder for more efficient intake and exhaust and increased fuel economy. ■ **INCREASED COOLING CAPACITY.** Dual water inlets channel water flow to keep the engine cool in a variety of applications and conditions. ■ **SMOOTH SHIFTING.** Our patented Shift Dampener System (SDS®) absorbs the resulting force of shifting gears, greatly reducing the noise commonly associated with shifting.

## CONFIDENCE BY DESIGN.

For even greater confidence and control, our entire V6 Offshore line—300, 250 and 225 hp—is compatible with our Y-COP® Theft-Deterrent System and Helm Master®, our fully integrated digital boat control system.



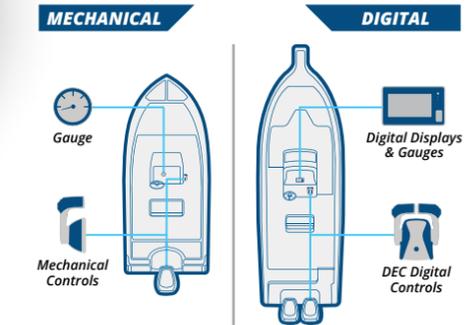
Helm Master makes maneuvering and docking a large offshore boat with up to four outboards intuitive, precise and incredibly easy. With new features that improve functionality for fishing, drifting, trolling and staying on point (see page 50), Helm Master makes captaining a craft with multiple outboards almost effortless.



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## INNOVATION THAT GOES THE DISTANCE.

Several recent Yamaha innovations will help boaters push rig performance further. For starters, our entire lineup of V6 4.2L Offshore four-stroke models is now compatible with both digital and mechanical controls. This brings the power and performance of the V6 F300, F250 or F225 Offshore outboards to boats with mechanical controls.



It also makes it easier than ever for mechanically controlled boats to add horses without adding weight. With streamlined features like plasma-fused cylinders, the mechanical F250 and F225 are both nearly 50 pounds lighter than previous Yamaha V6 models.

For the digital-control boaters out there, all V6 Offshore DEC models are compatible with our Helm Master boat control system. With convenient compatibility, innovative technology and outstanding performance, it's easy to see why boaters continue to choose Yamaha V6 Offshore four strokes.

### V6 4.2L Offshore Models: 300, 250, 225 HP

AVAILABLE IN BOTH DIGITAL AND MECHANICAL  
F300 available in signature Yamaha gray or new pearlescent white





## DESIGNED WITH ADVENTURE IN MIND.

After more than 10 years on the water, Yamaha's In-Line Four F150 is still one of the best-selling 150-horsepower four strokes of all time. It's not just popular; it's reliable—earning its stripes powering everything from pontoons to flats boats. The F150's success has inspired impressive follow-ups—the F175 and F200. Together, they just keep advancing. Now, the F150, F175 and F200 are available with either mechanical or digital controls. Even better, the F150 and F200 are also compatible with our Helm Master® boat control system. These innovations make I-4 performance available to more boaters than ever before.

## IN-LINE FOUR STROKES

*F200 - F150 hp*





## THERE'S NOTHING LIKE OUR NEXT GENERATION.

Our I-4 F150 is the original fan favorite. However, its streamlined engineering inspired some pretty impressive successors like the incredibly light and powerful F175 and the forward-thinking F200.

They feature a large displacement, Variable Camshaft Timing and a responsive 16-valve DOHC powerhead. This maximizes volumetric efficiency and power, merging two-stroke performance with four-stroke efficiency. This design not only results in impressive power-to-weight, but it also earned the F200 an International BoatBuilders' Exhibition and Conference (IBEX®) Innovation Award.

Lighter than the competition and more fuel efficient than previous designs, the I-4 F200 is the perfect, lightweight 200-hp solution for small- to medium-size offshore boats.



2013 IBEX® Innovation Award Winner, In-Line Four F200.

**1 QUICK ACCELERATION.** The F200's Variable Camshaft Timing (VCT) improves intake and exhaust efficiency and boosts torque between 2,000 to 3,500 RPMs.

**2 IMPRESSIVE POWER-TO-WEIGHT.** A 16-valve DOHC in-line design, with four valves per cylinder, makes the F200 a class leader and the F175 nearly 30 pounds lighter than its closest competitor.

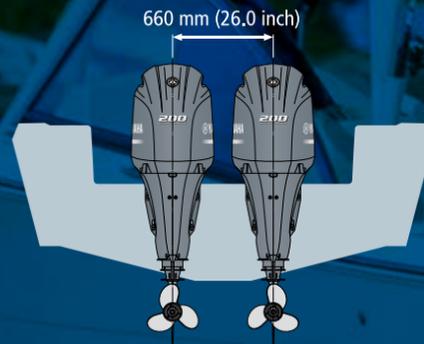
**3 OPTIMUM POWER.** Multi-Point Electronic Fuel Injection and a long-track intake system maximize power and fuel efficiency.

**4 MINIMAL VIBRATION.** Twin counterbalancing shafts minimize engine vibration for a smooth ride.

**5 CORROSION RESISTANCE.** Our proprietary alloy and our Phaze Five™ paint process provide a tough barrier.

## MORE REPOWER FLEXIBILITY.

It couldn't be easier to switch to a Yamaha In-Line Four. The 26-inch mounting centers and bolt pattern on our F200, F175 and F150 are the same as those on our two strokes. Plus, our entire lineup of I-4 outboards is well under 500 pounds, making a step up in horses a possibility for a variety of smaller boats.



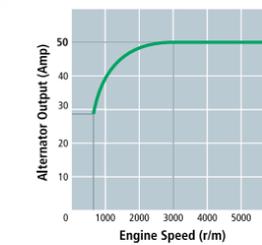
Even more convenient, the entire I-4 family is now compatible with either mechanical or digital controls. The F150 and F200 are even compatible with our Helm Master® boat control system. Helm Master's joystick docking, maneuvering and customizable control make captaining a boat with twin I-4's more intuitive and precise.



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## OUR I-4 OUTBOARDS JUST KEEP GETTING BETTER.

Fueled by smart engineering and proven performance, Yamaha In-Line Four Strokes have enjoyed more than a decade of uninterrupted popularity. Still, Yamaha engineers are full-throttle on design advancements. Though they keep evolving, our I-4 150, 175 and 200 are still backed by our four-stroke Three-Year Limited Factory Warranty for pleasure use. And whether you choose Command Link®, Command Link



**BETTER CHARGING.** With up to 50-amp alternators, our In-Line Fours provide plenty of power for a range of electronics.

Plus® or Helm Master®, you can also count on our robust Three-Year PowerMatched® Limited System Warranty on boats rigged with 100 percent Yamaha control systems.



**POWERFUL HOLE SHOT.** The Composite Intake Manifold is a lightweight, compact design, making these engines very versatile. Long Tube Intake Tracks are tuned to increase airflow, boosting low-end and midrange torque. This means a more powerful hole shot and increased acceleration. **VARIABLE TROLLING.** Our entire I-4 series has a user adjustable trolling speed. This allows for precision adjustment of trolling in 50-RPM increments using a Yamaha Command Link® gauge. Trolling range varies based on model.

In-Line Four Models:  
**200, 175, 150 HP**

AVAILABLE IN BOTH DIGITAL AND MECHANICAL





## PERFORMANCE THAT ELEVATES EXPECTATIONS.

There's simply no substitute for the V MAX SHO Series of outboards. They changed the world of fishing forever with their combination of 4.2-liter big-bore displacement, four-stroke fuel economy and a blazing hole shot. Today, two-stroke performance and four-stroke efficiency is the industry standard—and the V MAX SHO reigns supreme. Only now, its 250 also comes in a 25-inch shaft, making the V6 4.2-liter V MAX SHO a top choice for even more anglers.

## V6 V MAX SHO® SERIES

*VF250 - VF200 hp*



## THE ONE AND ONLY YAMAHA FOUR-STROKE 4.2L V6 V MAX SHO.

It was engineered to exceed expectations from the outset. With a hole shot quick enough to outperform a two stroke, it defied the expectations of any four stroke that had come before. And that was just the beginning.

Up to **12% BETTER**  
fuel economy than previous two-stroke  
V MAX models

More than **30 lbs LIGHTER**  
than previous two-stroke  
V MAX models



**1 LONG-TERM RELIABILITY.** A single timing belt uses fewer moving parts for increased reliability.

**2 SMOOTH AND QUIET.** A labyrinth exhaust and a mufflerless design result in smooth, quiet operation and a pleasing sound of power at idle.

**3 POWER AND TORQUE.** An In-Bank Exhaust System exits downward, to increase combustion efficiency, power and torque.

**4 RESPONSIVE THROTTLE.** Variable Camshaft Timing delivers midrange punch and instant throttle response.

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2010 International BoatBuilders' Exhibition and Conference (IBEX®) Innovation Award Winner, V MAX SHO®

## TAKE THE GAME TO A WHOLE NEW LEVEL.

The V MAX SHO® 250 is also available with a 25-inch shaft. This means the same exhilarating performance bass anglers can't live without is also available for the multi-species crowd. It's perfect for deep-V and multi-species fishing boats, center consoles, bay boats, deck boats and pontoons with 25-inch transoms. For smaller 25-inch transom boats, the entire I-4 V MAX SHO series—VF175, VF150, VF115 and VF90—also offer 25-inch shafts. That's good news for walleye anglers across the board.



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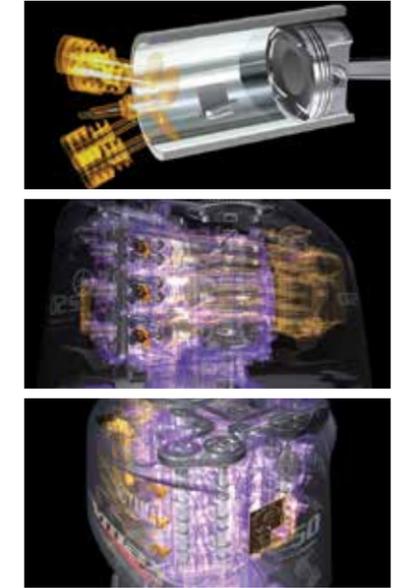
## OWN THE GAME. PLAY TO WIN.

The day the first V MAX SHO hit the water, the bass game changed forever. With the strength of a two stroke, the clean-burning efficiency of a four stroke and impressive hole shot and displacement, these groundbreakers were impossible to ignore. Today, this proven technology continues to power win after win. In fact, the V6 four-stroke V MAX SHO



**V MAX SHO SERIES PROPELLERS.** Designed exclusively for V MAX SHO V6 20-inch-shaft outboards, they're available in one-inch pitch increments from 22 to 27 inches, for fine-tuning wide-open-throttle RPMs for tournament-level performance.

250 was the power behind both the 2018 Toyota® Bassmaster® Angler of the Year and the 2018 Geico® Bassmaster Classic® Champion. In other words, the V MAX SHO Series is still going strong.



■ **COMPACT POWERHEAD.** Plasma-fused sleeveless cylinders mean larger cylinder bores without increasing cylinder dimensions. ■ **FUEL EFFICIENT.** Micro-textured cylinder walls and an intake system greatly improve fuel economy—an average of 12 percent better than previous two-stroke V MAX® models. ■ **LIGHT WEIGHT.** With a re-engineered cowling, engine bracket and lower engine pan, 20-inch-shaft models are a full 34 pounds lighter than previous two-stroke V MAX models.

V MAX SHO 4.2L Models:  
**250, 225, 200 HP**

VF250 AVAILABLE IN 20" AND 25" SHAFT LENGTHS





## THE EVOLUTION OF A SPECIES.

Though it evolved from the V6 V MAX SHO, the I-4 V MAX SHO 150 was really the first of its kind. At just 480 pounds, it's ingeniously engineered, earning it a 2013 IBEX® Innovation Award. Upon launch, it brought V MAX SHO performance to a new crowd and spawned the next-gen I-4 V MAX SHO 175 and 115. Now, this pack of predators is expanding again, with the addition of the I-4 V MAX SHO 90. The full line features advanced technology that's ahead of its time, and DNA that's undeniably V MAX SHO.

## I-4 V MAX SHO® SERIES

*VF175 - VF90 hp*



## DISCOVER THE ULTIMATE PREDATOR.

The I-4 V MAX SHO series features exhilarating performance advantages. Whether you're flying with our 2.8-liter VF175 or VF150, or our 1.8-liter VF115 or VF90, you'll find streamlined in-line designs, single or double overhead cams and four valves per cylinder. This gives them incredibly light weights and impressive combustion efficiency for maximum horsepower, torque and fuel economy—not to mention blistering speed. Add to that the option of 25-inch shafts on all models and the convenience of Variable Trolling RPM, and multi-species boaters may have just discovered the ultimate predator.

V MAX SHO 175's top speed is over **5 mph FASTER** than the V MAX SHO 150\*

Uses up to **40% LESS FUEL** than a traditional two stroke

\*The V MAX SHO 175 is 5.1 mph faster than the V MAX SHO 150. Tests conducted by Yamaha Marine using a Skeeter® ZX 190 with a tournament load and two occupants.



- 1 MIDRANGE POWER AND RESPONSE.** Variable Camshaft Timing (VF175/VF150 only) increases power and throttle response in the low- and mid-RPM ranges.
- 2 PERFORMANCE MANAGEMENT.** Sensors provide vital atmospheric and engine conditions to the Engine Control Module, which adjusts for optimum performance.
- 3 OPTIMUM POWER.** Precision Multi-Point Electronic Fuel Injection and a long-track intake system maximize power and fuel efficiency.
- 4 SMOOTH PERFORMANCE.** Single (VF90) and double overhead cams (VF175, VF150, VF115), sixteen valves and twin counterbalancing shafts ensure smooth operation.

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2014 Readers' Choice, I-4 V MAX SHO 150

## SMART FISHING FEATURES.

The entire I-4 V MAX SHO series features the option of 25-inch shafts. From our VF175 on down to our new VF90, these engines will deliver super-high-output performance for multi-species boats, bay boats, pontoons and other boats with 25-inch transoms.



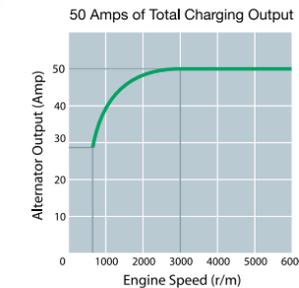
The entire family also features the convenience of a Variable Trolling RPM Switch (VTS®). This allows an angler to adjust trolling speeds from 550 to 1,000 RPMs, in 50-RPM increments, via our Multi-Function Tiller Handle, Command Link® gauge or our new remote switch.



## THE SPEEDY, STEALTHY 90.

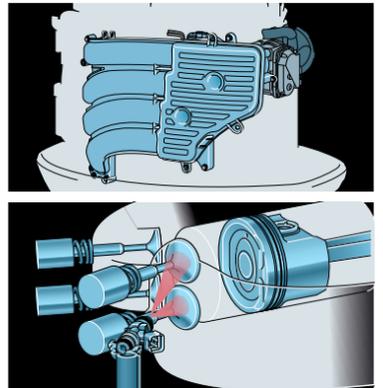
The I-4 V MAX SHO 90 is a powerful addition to the family. It rocks a single-overhead-camshaft design, 1.8-liter displacement and four valves per cylinder (twice that of its nearest competitor). No wonder the new kid is also the class leader in torque, efficiency and top speed.\* Even still, it's one of the quietest 90 horsepowers on the water. All that smooth, powerful, quiet performance is made even better by Yamaha's patented Shift Dampener System (SDS®) and a Talon® (SDS) propeller. In other words, the fish won't know what hit 'em.

\*Testing conducted by Yamaha at Yamaha's US Test Facility on a G3 Model 1860 CC under the same conditions and with each rigged for maximum performance.



### AMPLE CHARGING POWER.

With 50 amps for the I-4 V MAX SHO 175 and 150 and 35 amps for the 115 and 90, their alternators produce enough power for battery charging and a range of on-board electronics.



■ **RESPONSIVE THROTTLE.** A single mechanical (90) or electronic (175,150,115) controlled throttle valve, a long-track intake system and a resonator work in concert to give the In-Line Four V MAX SHO outboards a remarkably responsive throttle. ■ **QUIET POWER AND PERFORMANCE.** The I-4 V MAX SHO design maximizes combustion efficiency in a way that no two stroke can, delivering clean, quiet power and performance.

V MAX SHO I-4 Models:

**175, 150, 115, <sup>NEW</sup> 90 HP**

AVAILABLE IN 20" AND 25" SHAFT LENGTHS



Optional Talon SS4 propeller displayed.



## A MIDRANGE DELIVERS VERSATILE PERFORMANCE AND RELIABILITY.

Whether your perfect day on the water means family, friends or fishing, a fuel-efficient Yamaha four-stroke Midrange is the way to go. This bunch of three- and four-cylinder powerhouses ranges from the F30 to the F115. It's likely that you'll find the right horsepower here for everything from small pontoons to deep-V aluminums and bay boats to jons. Whatever your boating style, a Yamaha Midrange can be a powerful part of your experience.

## MIDRANGE FOUR STROKES

*F115 - F30 hp*





## THE POWER HITTERS IN THE MIDRANGE LINEUP.

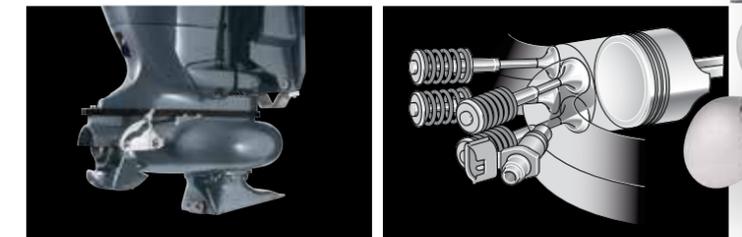
Fast and powerful, the F115, F90 and F75 Midrange four strokes continue to be the line's star inshore performers for mid-size



**TALON® PROPELLERS.** Our new Talon Pontoon propeller brings SDS® performance to pontoons, and Talon GP™ brings SDS to lighter boats. Both fit F115 to F70 and T50/T60 outboards.

craft. They sport 1.8-liter displacement and DOHC (F115) or SOHC (F90, F75) designs with four valves per cylinder. Their ingenious designs save on weight and increase volumetric efficiency.

In fact, the F90 and F75 are each 13 pounds lighter than past models, the F115 features class-leading power to weight, and the F90 is a leader in torque and acceleration.



■ **JET PUMP OPTION.** The 90-hp outboard is also available in a jet drive design, ideal for use in shallows and rocky-bottom rivers. Also available on the 115-, 60- and 40-hp Midranges. ■ **POWER AND EFFICIENCY.** Precision Multi-Point Electronic Fuel Injection delivers the exact amount of fuel needed for optimum performance and efficiency.

- 1 AMPLE CHARGING POWER.** The 115-, 90- and 75-hp Midrange four strokes feature 35-amp alternators—a 40-percent increase over past 90- and 75-hp designs.
- 2 INCREDIBLE RELIABILITY.** An Air Intake Labyrinth System traps and drains water from incoming air before it enters the engine's intake.
- 3 ENGINE WARNING SYSTEM.** Protects the outboard with a range of functions, including: overheat protection and low-oil-pressure warning, over-rev protection, water-in-fuel detection, start-in-gear protection and shift-in prevention at open throttle.
- 4 PRECISE THROTTLE CONTROL.** Air is routed through a single throttle valve and individual, pulse-tuned intake tracks for maximum density, power and fuel efficiency.
- 5 CORROSION PROTECTION.** Our proprietary alloy and exclusive, electro-deposited paint process provide a tough barrier.

## SMALL BOATS. SOLID PERFORMANCE.

The F40 and F30 may be smaller in size than the rest of the Midrange line but they deliver the same, responsive power, efficiency and reliability. Their SOHC, three-cylinder designs feature EFI and electronic control modules, delivering easy starts, fast acceleration and excellent top-end on small inflatable and aluminum fishing boats. The F40 is also available in a jet-pump design for those running in shallow or rocky water.



**SMART CONTROLS.** The factory-equipped handle on the F40 tiller model features LED lights that signal overheating or low oil pressure conditions. For added functionality, the entire line of Midrange outboards is compatible with our Multi-Function Tiller Handle.



## A LINE THAT SHOWS POWERFUL RANGE.

Our Midrange line is defined by its lighter weights, exhilarating acceleration and signature Yamaha fuel efficiency. It's typified by the family's core and inspiration: the F70. Up to 80 pounds lighter than other four-stroke competitors thanks to a two-piece upper case and 10-percent-lighter pistons\*, it's got class-leading power to

weight. The Midrange line also includes jet-pump (115/90/60/40 hp) and high-thrust (60/50 hp) options, accommodating an even broader range of boaters.

\*Compared to Yamaha's T60



### NEW HELM-MOUNTED VTS.\*

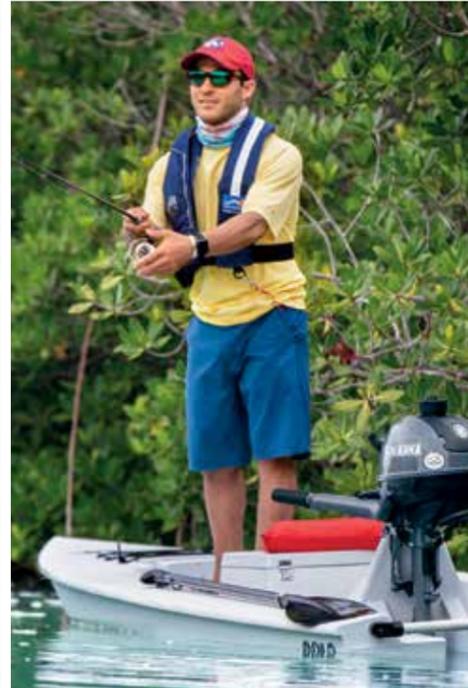
VTS is now available as a helm-mounted remote switch for those who want the convenience of 50-RPM trolling speed adjustments without the need for Command Link® or the Multi-Function Tiller Handle. Compatible with all Midrange models.

Midrange Models:  
**115, 90, 75, 70, 60, 50, 40, 30 HP**

F-SERIES: F115-30 hp T-SERIES: T60, T50



■ **POWERFUL HOLE SHOT.** A Composite Intake Manifold with pulse-tuned intakes increases airflow, boosting torque for a powerful hole shot and max acceleration. ■ **OPTIMUM OVERALL PERFORMANCE.** Microcomputer Ignition, featured in all Yamaha Midranges, adjusts timing to maintain optimal engine performance, economy and power under all operating conditions. ■ **RELIABLE POWER.** Thermostatic Cooling Control helps provide proper engine temperature at all times for consistent performance.



## TAKE IT WHEREVER THE DAY MAY TAKE YOU.

Our smallest outboards—Portables—have some pretty big news for 2019. The lineup already boasts the water's lightest 25-horsepower outboard. Now, there's an exciting, new high-thrust version of our groundbreaking F25—the new T25. In addition, there's an all-new, redesigned F20. From small sailboats to jons and tenders to inflatables, the family offers travel-size power in horses perfect for your boat and application. With the smallest model weighing just 37 pounds, you can take a Yamaha portable just about wherever the day takes you.

## PORTABLE FOUR STROKES

*F25 - F2.5 hp*

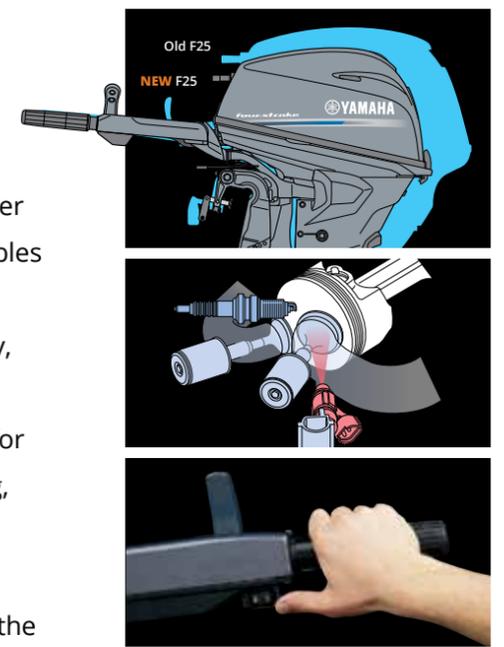




## THE WATER'S LIGHTEST 25-HP FOUR STROKE EXPANDS ITS TERRITORY.

The Yamaha F25 is the lightest 25-horsepower outboard on the water—two stroke or four stroke. In fact, its SOHC two-cylinder design and battery-less EFI system create power to weight that's so dramatic, it shifts the F25 into our Portables lineup. That means it now packs portability features like an oil-retention system for leak-free, on-side storage capability, resting pads, carrying handles, a through-cowling, one-pull start on most electric start models and an electric start kit for retrofitting manual models. It's a design so groundbreaking, its platform has been applied to our newest F20.

And there's more news. The award-winning engineering in the F25 has inspired a new, high-thrust version—the T25. It, too, features class-leading power to weight. However, this brute also packs a Yamaha Dual Thrust™ propeller, the option of a 25-inch shaft and the added muscle to push small, heavy craft such as sailboats and small pontoons.



■ **CLASS-LEADING POWER TO WEIGHT.** The F25 is up to 25 percent lighter than its previous design, and lighter than any 25-hp outboard on the water—two stroke or four stroke. ■ **RELIABLE STARTS.** The F20, F25 and T25 feature no-battery-required Electronic Fuel Injection (EFI) which contributes to its incredible light weight and makes for easy starts. ■ **VARIABLE TROLLING.** The Variable Trolling RPM Switch (VTS®) on our Multi-Function Tiller Handle allows for precision adjustment of trolling speeds, from 750 to 1050 RPMs, in 50-RPM increments. It even offers sub-idle trolling up to 150 RPMs below normal idle speed.



**1 MAXIMUM RELIABILITY.** A pressurized oil delivery system with a compact, durable oil pump keeps the moving parts internally lubricated and running smoothly.

**2 RELIABLE STARTS.** The F15, F20, F25 and T25 feature a water-cooled fuel pump, boosting power and preventing warm weather starting issues like vapor lock.

**3 OPTIMAL OPERATION.** CDI Microcomputer Ignition monitors throttle position, engine speed and atmospheric conditions, adjusting ignition timing for ideal performance.

**4 SMOOTH POWER.** Features like OHV or SOHC four-stroke design, optimally balanced crankshaft and labyrinth exhaust deliver smooth power.

**5 CORROSION PROTECTION.** Our proprietary alloy and our Phaze Five™ paint process provide a tough barrier.

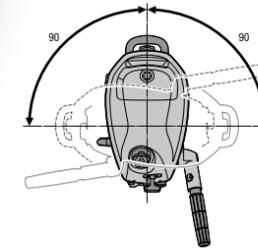
## SMALL ENGINE. BIG PERFORMANCE.

Inspired by the award-winning F25, our new F20 gets an exciting redesign for 2019—and it's loaded with performance advantages. Let's start with battery-less electronic fuel injection and an almost 20-percent bump in displacement, thanks to a new, SOHC in-line twin-cylinder design. This means smooth running and great fuel efficiency, as well as advanced acceleration and better performance under load. Its high-output alternator also generates up to 16 amps of power—60 percent more than its previous design. When it comes to fishing buddies, it doesn't get better than our new redesigned F20.



## IMPRESSIVE LITTLE PERFORMERS.

You'll find power, performance and flexibility throughout our full line of Portables—even in the lower horsepower. With resting pads, built-in carry handles and light weights, you can take reliable Yamaha power just about anywhere. From our SOHC, two-cylinder F15, F9.9 and F8 to our overhead valve one-cylinder F6, F4 and F2.5, they weigh as little as 37 pounds. Still, they all offer impressive features such as electronic ignition, thermostatic cooling and 180-degree steering.



### COMFORTABLE CONTROL.

Ergonomic design, a dampened twist-grip throttle, a large F-N-R handle and 180-degree steering (F8 through F25) ensure maximum operator comfort.

Select Portable models (T25/T9.9) are even available in High Thrust designs. They're great kickers for multi-species boats and offer added thrust for pushing small, heavy boats, such as sailboats.



**PORTABILITY & STORAGE.** Built-in front and rear handles make these lightweights easy to carry. Resting pads and an easy oil retention system allow for convenient side storage without cowlings or oil leakage. **MAX YOUR OUTBOARD LOOK.** For a consistent, sporty look from your main outboard to your kicker, a new, optional V MAX SHO® Sport Cowl is available for F9.9/T9.9 outboards.

Portable Models:  
**25, 20, 15, 9.9, 8, 6, 4, 2.5 HP**

F-SERIES: 25-2.5 hp T-SERIES: **NEW** T25, T9.9



## HELM MASTER® DIGITAL BOAT CONTROL SYSTEM IS NOW EVEN MORE PRECISE.

Many captains of offshore boats are already aware of the incredible ease, convenience and intuitiveness of the Helm Master fully integrated boat control system. Its ability to move a boat in incredibly agile ways has made navigating crowded marinas and tight docking situations easier and more precise.

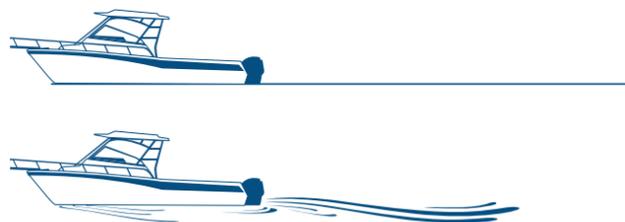


**SET POINT** is engaged via the button on the Helm Master joystick, and controlled via Yamaha's new CL7™ touchscreen display.

Not only that, Helm Master's Set Point® suite of functions—Fish Point®, Drift Point® and Stay Point®—offers captains even greater control for situations such as fishing, controlled drifting and maintaining position. These are maneuvers that are often very difficult for even experienced captains.

**Now, our engineers have found a way to give you even more control on the water.** Captains can now adjust position and heading with the joystick, while remaining in a Helm Master Set Point mode. And a new Pattern Shift function lets you dial-in your in-gear vs. neutral time in 10 percent increments. This gives you the ability to troll well below standard in-gear trolling speeds.

**PATTERN SHIFT** is a new feature that allows trolling below standard in-gear trolling speed by shifting into or out of gear to meet a desired target speed. In calm water, minimum speed can be set at less than 0.5 MPH.



## THE SET POINT® SUITE OF FUNCTIONS

Helm Master is available for purchase by participating boat builders on select new compatible twin, triple and quad Yamaha outboards installed on new boat packages, and available for purchase and installation by qualified Yamaha Outboard dealers on select compatible twin, triple and quad Yamaha outboard powered boats.



### FISH POINT® - Keeps Position

Stay on top of the fish while making the least amount of noise. Point your bow or stern into the current to stabilize the boat's lateral motion, and select Fish Point/Bow or Fish Point/Stern to use minimal RPM to hold your position. This is perfect for stationary fishing directly below the boat, and it's as quiet as it gets without dropping an anchor.



### DRIFT POINT® - Keeps Heading

Keep your bow pointed in a certain direction and drift. Drift Point uses a dual-antenna GPS to maintain your heading. This is great for drift-fishing a wreck, kite fishing or watching a sunset from the stern.



### STAY POINT® - Keeps Position & Heading

This mode "marks" your position and heading, and uses dual-antenna GPS and Helm Master's independent outboard articulation and thrust vectoring to maintain that spot within 10 feet of your mark in ideal conditions, and within a 75-foot circle in higher winds and currents. Stay Point is handy when waiting for a bridge or for your turn to approach a fuel dock.



## ADD TONS OF TECH AND FUNCTIONALITY TO YOUR COMMAND CENTER.

Our enhanced CL7™ touchscreen, which comes standard with all new Helm Master®-equipped boats, is more versatile than ever before. With this innovative, seven-inch touchscreen, you can monitor vital boat functions and the performance of up to four outboards, all on one display. That includes gauge integration, mapping and NMEA 2000® networking, as well as Variable Lock-to-Lock steering control that can be set at four different RPM levels (Only XTO Offshore®, DEC or Helm Master-equipped boats).



**MONITOR RPM AND GEAR STATUS FOR UP TO FOUR OUTBOARDS.** Helm Master's innovative maneuverability and some of its new Set Point® functions are achieved with independent outboard articulation and thrust vectoring. This means that each outboard may be running at a different RPM or in a different gear, all at once, to achieve your desired maneuver. The CL7 allows you to see what each outboard is doing simultaneously.

**PROGRAM OPERATIONAL SETTINGS AND MONITOR PERFORMANCE.** The CL7 allows you to customize such settings as trim position, display appearance and auto-off power-down timing. Through it, you can also adjust steering friction for greater confidence and maneuverability in a variety of boating conditions, and monitor critical boat stats such as fuel or water tank levels.

## EVERY COMPONENT ADDS CONTROL AND CONVENIENCE.

Enhanced binnacle control. Electronic steering and key switch. Y-COP® theft-deterrent system. There's control and convenience to be found in every component of the Helm Master system.



**TWIN, TRIPLE AND QUAD SWITCH PANELS.** Use one panel for up to four outboards, engage all with a single key fob and use the All Start button to start them simultaneously. (All Start on triple switch panel only.)

**MULTI-FUNCTION RFID KEY FOB.** Prepare to start multiple outboards without a key simply by swiping your Yamaha key fob. That same fob activates the Y-COP® outboard theft-deterrent system, which disables your ignition and fuel systems for security while your boat is unattended at the dock.

[YamahaOutboards.com](http://YamahaOutboards.com)



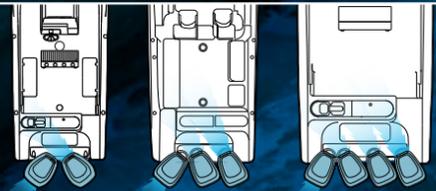
## ENHANCED BINNACLE CONTROL.

From engine trim to speed control, there's a lot of functionality in Helm Master's enhanced double binnacle.

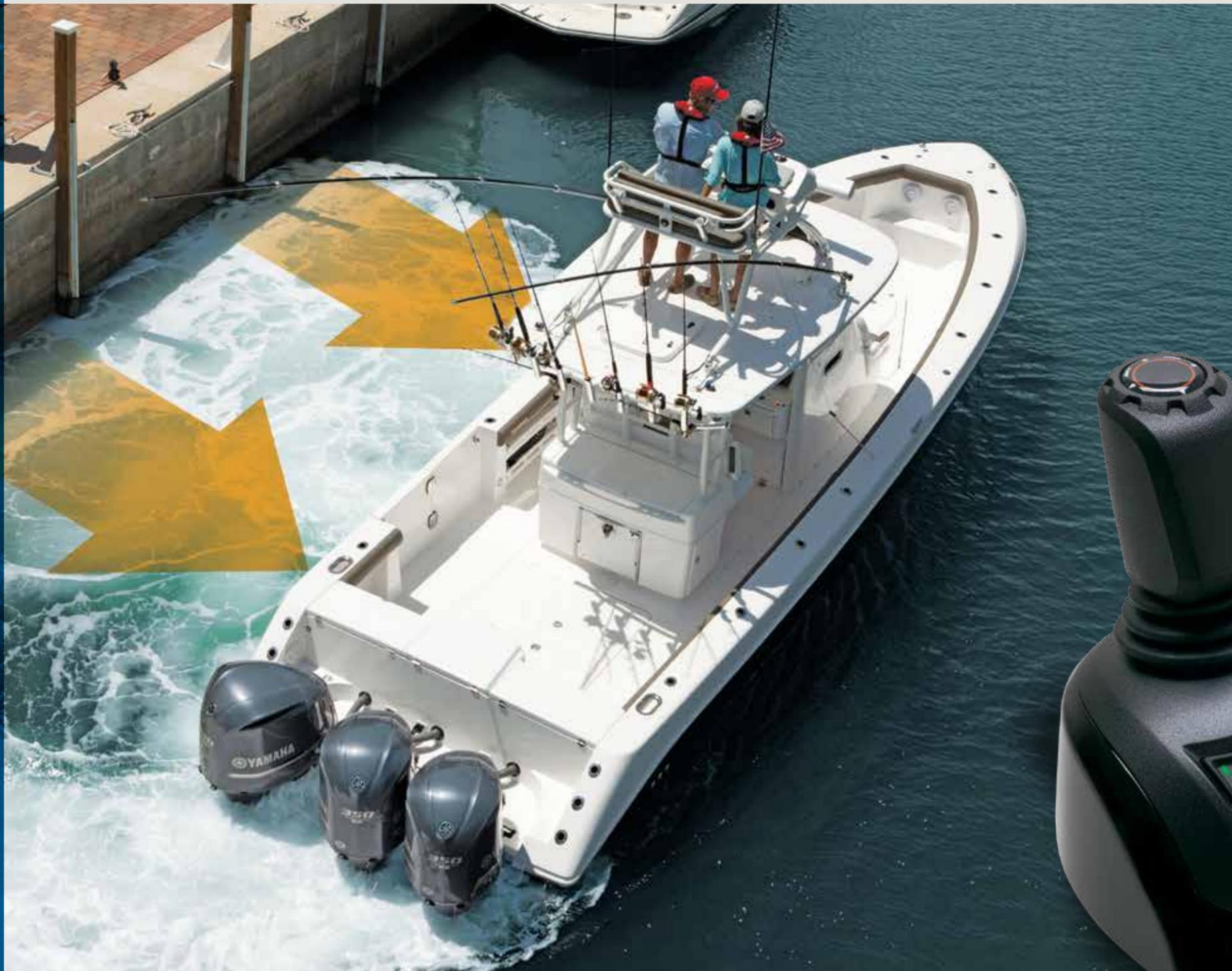
- STATION SELECTOR**  
Press this button to select your second station.
- SPEED CONTROL**  
Once you reach your desired RPM, press Speed Control to hold or throttle up or down with the touch of a button.
- SINGLE LEVER**  
Press this button to control up to four outboards with the port-side lever only.
- TRIM ASSIST**  
Program trim angles to specific RPMs, setting five points throughout the full RPM range. This automates engine trim as you accelerate or decelerate, maximizing performance and fuel economy.
- FREE THROTTLE**  
This button throttles up the selected engine when the shift function is disengaged.
- CENTER ENGINE**  
Press this button to run only the center engine (or engines) when trolling or in no-wake zones.

## HELM MASTER® OUTBOARD CONFIGURATIONS AND COMPATIBILITY.

Helm Master's multi-outboard independent propulsion logic is compatible with Yamaha's XTO Offshore® in twin, triple and quad configurations and 4.2-liter V6 Offshore in twin, triple and quad configurations. It's also compatible with our DEC I-4 F200 and F150 outboards in twin-engine configurations.\*



\*Helm Master is available for purchase by participating boat builders on select new compatible twin, triple and quad Yamaha outboards installed on new boat packages, and available for purchase and installation by qualified Yamaha Outboard dealers on select compatible twin, triple and quad Yamaha outboard powered boats.



## THE BEAUTY OF INDEPENDENT OUTBOARD PROPULSION.

When in joystick mode, Helm Master® uses simultaneous forward and reverse propulsion, along with steering control, to position and move your boat. The joystick makes this maneuverability look deceptively simple. But beneath the water's surface, each of your outboards could be in a different gear, at a different angle and at a different RPM to achieve a desired move—be it diagonally, side-to-side or pivoting on point. And with the new Pattern Shift feature, it's possible to troll below standard in-gear trolling speed by shifting into or out of gear to meet a desired target speed. In calm water, that can be less than 0.5 MPH.



**MOVE Laterally.** Push the joystick left or right; your boat will follow effortlessly. This is handy when docking in tight places. More pressure on the joystick will create more thrust and directional movement.

**FLEXIBLE MANEUVERING.** Forward or reverse. Left or right. On a diagonal. Pivot in place. Move the joystick in any direction and your boat will follow.

**MAINTAIN DIRECTION.** Push and hold the joystick to continue moving in a desired direction. There's no need to "bump" the throttle, as you might have when using a traditional throttle to dock.

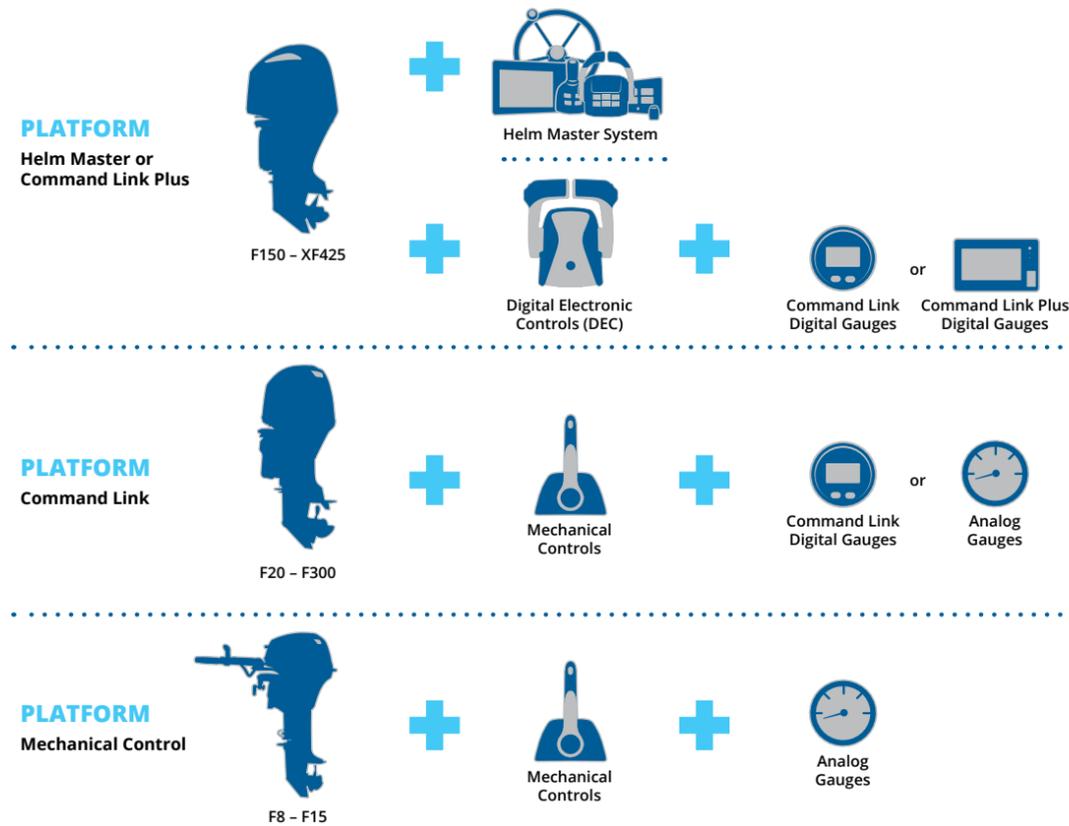
**360° DIRECTIONAL MOTION AND REAL-TIME RESPONSE.** Helm Master places the central pivot point near the helm, so movement emanates from the operator in a 360-degree pattern. Twist or apply pressure to the joystick in a given direction and the engines respond instantly, with thrust that mirrors the amount of pressure you put on the joystick.

## RELIABLE AND COMFORTABLE CONTROLS FOR EVERY STYLE.

Yamaha offers quality control systems for a range of platform preferences, from the high-tech functionality of our Helm Master®, Command Link Plus® and Command Link® platforms to the classic simplicity of our analog and mechanical formats. No matter which control platform you prefer, when you rig your boat with 100 percent Genuine Yamaha components, you'll have the peace of mind that comes with Yamaha quality.

Certain platforms are only compatible with specific horsepower ranges. Here's the breakdown below.

### Control Platforms and Outboard Compatibility



## THE FUTURE'S SO CLOSE, YOU CAN TOUCH IT.

The CL7™ touchscreen display is our most exciting instrumentation yet. This seven-inch touchscreen allows you to monitor vital boat functions and control up to four outboards on a single screen. Compatible with our Helm Master®, Command Link Plus® and Command Link® Systems, its high-tech format:



- Streamlines your dash with single-screen control of up to four outboards
- Allows you to customize and program settings such as trim position, steering friction, display appearance and auto-off power-down timing
- Monitors boat stats such as fuel levels, economy and flow, and tank levels for fresh water, waste and more
- Monitors RPM and gear status for up to four outboards on one screen
- Allows you to seamlessly integrate approved third-party instruments, such as those for water conditions or fish finding
- Includes an option of built-in detailed fresh and saltwater maps
- Facilitates Helm Master's new Set Point® suite of functions for even greater boat control

## HAVE IT ALL WITH COMMAND LINK PLUS.

**Seamless performance. Streamlined format. Total control.** This complete control system features digital electronic controls, gauges, key switches, start/stop panels and a key-fob-activated theft-deterrent system.



**STREAMLINED DISPLAYS.** Monitor up to four outboards and vital boat stats on one seven-inch touchscreen LCD.

**DIGITAL ELECTRONIC CONTROL.** Control up to three Yamaha outboards with one dual-lever binnacle.



**START/STOP PANEL.** Press a button to simultaneously start and stop multiple Yamaha outboards.

**Y-COP® THEFT-DETERRENT SYSTEM.** Disable your outboard ignition and fuel systems with the touch of a button on your key fob.



**KEY SWITCH PANEL.** Start, or energize to start, up to three Yamaha outboards with a single key.

## THE LINK BETWEEN YOU AND A BETTER BOATING EXPERIENCE.

**For solid performance on single- twin- and triple-engine applications, count on Command Link.** This complete control system includes digital electronic controls, several styles of digital gauges, key switches and panels. Together, they provide the data and control you need to make every run a successful one.

### Command Link 6YC Display

The 6YC provides data for boat systems and up to two outboards on a single customizable display for rigging simplicity. Command Link and Command Link Plus® compatible, the 6YC allows access to information on:

- RPM, fuel burn, fuel economy and fuel levels
- Engine temperature, oil pressure and battery voltage
- Engine water pressure, surface water temp and water depth\*
- Trip distance and engine hours



### Remote Variable Trolling RPM Switch (VTS®)

Our new helm-mounted VTS switch offers the convenience of precision trolling outside of a gauge or tiller handle. This allows anglers to adjust trolling speeds in 50-RPM increments, and the option of sub-idle trolling on capable models. This means even better fishing for those running Yamaha F25C to F115 and V MAX SHO® 115 outboards.

\*When properly equipped.

### Command Link Backlit Digital Gauges

Have real-time performance, boat systems and environmental stats at your fingertips with Command Link. Each gauge can be programmed to display the data you want—from trip distances to fuel levels to water surface temperature.\*



**COMMAND LINK ROUND GAUGES** are Command Link and Command Link Plus compatible, and provide streamlined displays for single- or multi-engine applications.

### Genuine Yamaha Digital Multifunction and Pro Series II™ Analog Gauges

Whether you prefer digital multifunction gauges or the classic analog, we have you covered. Either allows those running between 8 hp and up\*\* to monitor several vital boat systems, performance and trip stats.\* Fitting to digitally controlled F200 and up requires analog gauge interface.

\*\*When properly configured.



**PRO SERIES II™ ANALOG** Speedometer  
**MULTIFUNCTION** Tachometer

## GENUINE QUALITY. CLASSIC CONTROL. CONSISTENT PERFORMANCE.



### Multi-Function Tiller Handle

Our Multi-Function Tiller Handle is a fan favorite because it revolutionized tiller-handle operation and fishing. Its award-winning, ergonomic design allows for easier shifting and better grip, and requires less rotation to go from idle to wide-open throttle. It also features our Variable Trolling RPM Switch (VTS®). By simply toggling the switch up or down, anglers can precisely adjust trolling speeds in 50-RPM increments, and even have the option of sub-idle trolling on capable models. This makes fishing and hours of trolling less of an endurance sport and much more comfortable for those running Yamaha F20 to F115 and the V MAX SHO® 115.

### Genuine Yamaha Mechanical Controls

For those who prefer mechanical controls, we have great news. Our entire line of V6 4.2-liter models is compatible with mechanical controls. So are a range of lower horsepowers. These controls provide ergonomic comfort and shift feel, easy lever-friction adjustment, accessible warm-up controls and a trim switch right on the handle.



704  
Single-Binnacle Control



704  
Dual-Binnacle Control

### 704 THROTTLE AND SHIFT CONTROL.

Completely redesigned, it features a shorter binnacle length for better ergonomics and shift feel, and a more contemporary finish to complement modern boat styling. It's available in both single- and dual-binnacle designs for single and twin applications.

### 6X3 Flush-Mount Control

Finally, 6X3 controls can be mounted on the left or right side of a gunnel or console. This is big news for most running single engines and applications that require left mounting such as small RIB inflatables. Includes thumb-operated trim/tilt switch, neutral switch and a push-button neutral warm-up.



[YamahaOutboards.com](http://YamahaOutboards.com)

## COMPLETE YAMAHA SYSTEMS COVERAGE FOR UP TO FIVE YEARS WITH POWERMATCHED®

### The PowerMatched System

PowerMatch your system for complete reliability—and the added confidence of the PowerMatched System Limited Warranty. PowerMatched means your boat is rigged with a complete system of genuine Yamaha rigging components—whether you prefer our Command Link Plus®, Command Link® or analog/mechanical platforms.

### The PowerMatched System Limited Warranty

In a boat rigged with six specific Yamaha components, the PowerMatched System Limited Warranty backs each component for the length of your outboard's factory warranty.



A YAMAHA POWERMATCHED SYSTEM INCLUDES THE BIG SIX:



ANALOG, DIGITAL OR LCD GAUGES



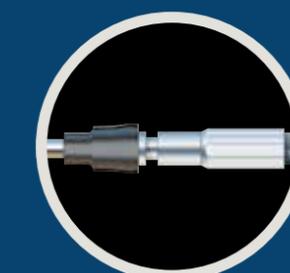
REMOTE CONTROL



IGNITION SWITCHES/PANELS



10-MICRON FUEL FILTER



CONTROL CABLES (if applicable)



WIRING HARNESSES

## ENHANCE PERFORMANCE AND YOUR BOATING EXPERIENCE WITH GENUINE YAMAHA AND TURBO® PROPELLERS.

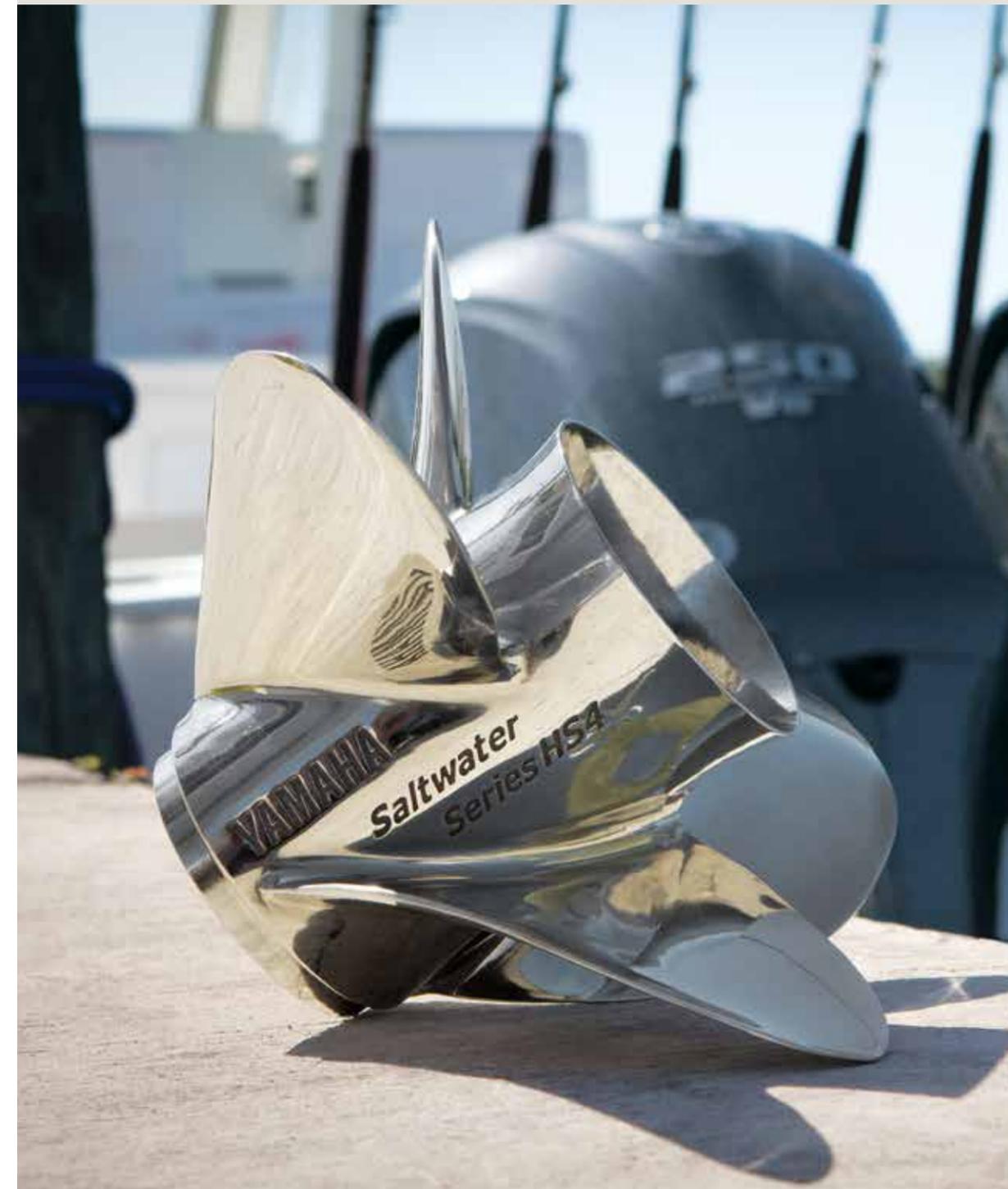
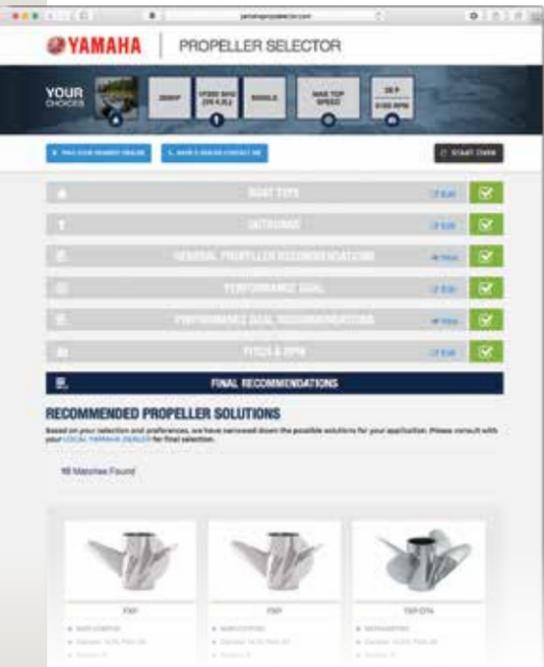
The right propeller can unlock the power and performance of your outboard. It's an exacting science—as propellers are engineered for specific horsepower ranges and applications. And the water is full of endless application and horsepower combinations.

That's why Yamaha offers an expansive line of Genuine Yamaha and Turbo® propellers, smartly categorized to help you choose the right one. Our propellers are organized by application: Large Boats, Family/Watersports, Medium/Small Boats and Bass/Bay/Flats Boats. Whenever you're considering a propeller from Yamaha, rest assured that it was expertly engineered to help enhance your outboard's acceleration, top-end, fuel economy and ride quality.



## CHOOSING THE RIGHT PROPELLER IS CLICK 'N' EASY AT YAMAHAPROPSELECTOR.COM

With seemingly endless horsepower and application combinations, choosing the right propeller can be intimidating. **YamahaPropSelector.com** makes it easy. This smart, online tool refines your propeller options based on your type of craft, horsepower and performance goals. For even more refined results, enter your current pitch and RPM. The prop selector streamlines the process, providing a qualified list of propeller solutions—and even connects you with your nearest authorized Yamaha Marine dealer to discuss the options. Picking the right propeller couldn't be easier. Find it on the Yamaha Outboards website at **YamahaPropSelector.com**.



### SDS® EVOLVES FOR EVEN SMOOTHER SAILING.

Our patented Shift Dampener System (SDS) has made boating quieter and more enjoyable for many Yamaha owners. For those who love our Reliance®, Saltwater Series II™, Saltwater Series HS4™, Talon® Pontoon and Talon GP™ propellers, SDS has gotten even better. Their streamlined SDS designs mean no special tools or hardware are required. Just bolt on your prop and go.

**SALTWATER SERIES II™ (SDS)**  
For today's larger offshore boats running V6 F200 and up.



### EXPECT A SMOOTH, QUIET RIDE.

Yamaha's Shift Dampener System (SDS) absorbs the forces, sounds and vibrations from shifting gears, creating a smoother, quieter ride. This is handy for cruising, docking, quieter fishing and positioning your boat over bait.

**TALON® PONTOON (SDS)**  
For pontoons using T50 – F115 outboards.



## LARGE BOATS

The propellers in this category are proven to provide high performance and operating efficiency for most large offshore boat applications, such as large center consoles, walkarounds and boats or loads weighing 10,000 pounds or more.



### APPLICATIONS

- Express Cruisers
- Large Center Consoles
- Walkarounds
- 10,000+ lbs.

### SOLUTIONS

#### Most Popular

- Saltwater Series II™ (SDS®)
- Saltwater Series XL® (SDS)

#### Select Applications

- XTO OS® (SDS)
- Saltwater Series XL4™ (SDS)
- Saltwater Series XL4-HP (SDS)
- Saltwater Series HS4™ (SDS)

Finding the right propeller is easy at [YamahaPropSelector.com](http://YamahaPropSelector.com)



#### SALTWATER SERIES II (SDS)

Designed for today's larger offshore boats, it provides longer cruising range, superior midrange fuel efficiency and better handling in rough seas.



#### SALTWATER SERIES XL (SDS)

For our V8 F350 four stroke. It provides plenty of power-to-plane, acceleration and top-end. Updated hub system accommodates older Yamaha F350s.



#### XTO OS (SDS)

Exclusively designed for the Yamaha XTO Offshore®, these propellers feature large diameters up to 17 1/8", pitches from 15 to 25, and increased blade surface.



#### SALTWATER SERIES XL4 (SDS)

Improves acceleration, planing and grip and reduces ventilation on large, V8 F350-powered boats.



#### SALTWATER SERIES XL4-HP (SDS)

An advanced blade design for V8 F350 outboards provides quick planing while improving acceleration and grip on stepped hulls or high-HP offshore center consoles.



#### SALTWATER SERIES HS4 (SDS)

Provides excellent acceleration, quick planing and max grip, while resisting ventilation in rough or following seas on V6-powered boats.

## FAMILY/WATERSPORTS BOATS

The propellers in this category are known for thrust and solid performance. Count on these propellers to help you power the fun on deck boats, pontoons and fish 'n' ski boats.



### APPLICATIONS

- Deck Boats
- Pontoons
- Fish 'n' Ski

### SOLUTIONS

#### Most Popular

- Reliance® (SDS®)
- Talon® Pontoon (SDS)
- Talon® (SDS)

#### Select Applications

- Talon SS™ (SDS)
- Dual Thrust™
- Talon GP™ (SDS)



#### RELIANCE (SDS)

Ideal for high-horsepower, in-line four-cylinder outboards (F150, F175 and F200), it's faster at all RPM ranges than our painted stainless steel propellers and resists ventilation.



#### TALON PONTOON (SDS)

Excellent low-speed operation, providing higher thrust and control than conventional propellers on pontoons using T50 - F115 outboards.



#### TALON (SDS)

High-grip, low-slip aluminum design provides outstanding performance and smooth, quiet shifting and trolling on F70-F115 and T50/T60-powered pontoons and other aluminum boats. Excellent on small fiberglass boats, too.



#### TALON SS (SDS)

Smooth, quiet shifting and trolling for F70-F115 and T50/T60 outboards on pontoon, walleye, fiberglass and deep-V boats.



#### DUAL THRUST

Harnesses the power of our High Thrust outboards for pushing heavy loads such as sailboats and pontoons, and provides outstanding reverse thrust.



#### TALON GP (SDS)

Ideal for lighter-weight boats using T50 - F115 outboards, its special blades provide "grip" on the water in turns and at high trim angles.

## BASS/BAY/FLATS BOATS

The propellers in this category are proven to improve strength and performance, provide incredible acceleration and top-end and improve handling and grip.



### APPLICATIONS

- Bass Boats
- Bay Boats
- Flats Boats

### SOLUTIONS

#### Most Popular

- V MAX SHO®
- FXP™
- TXP™

#### Select Applications

- Performance XT™
- Performance 4
- Pro™ Series

Finding the right propeller is easy at  
[YamahaPropSelector.com](http://YamahaPropSelector.com)



#### V MAX SHO

A ventless design and single-inch pitches allow you to fine-tune the performance of our four-stroke V MAX SHO.



#### FXP

Designed for high-performance four-stroke outboards, this propeller provides excellent hole shot, acceleration, top speed and handling.



#### TXP

Excellent for surface-piercing applications and for very light, high-speed boats with high engine-mounting heights or a jack plate, and greater "built-in" bow lift.



#### PERFORMANCE XT

A large, long blade design increases strength and durability. Perfect for older, heavier bass boats with jack plates or high engine-mounting heights. Lower pitches ideal for pontoons, F150 and up.



#### PERFORMANCE 4

Improves hole shot and overall grip on outboards 50 – 225 hp in rough water or on applications with high engine-mounting heights.



#### PRO SERIES

This stainless steel series provides high performance for single-outboard boats requiring bow lift.

## MEDIUM/SMALL BOATS

The propellers in this category provide superior handling and optimal performance on small and medium-size boats, such as aluminum fishing boats, deep-Vs and jon boats.



### APPLICATIONS

- Small Twins
- Deep-V Hulls
- Tiller Handles/Jon Boats
- Dinghies

### SOLUTIONS

#### Most Popular

- Performance 3 (SDS)
- Talon SS™ (SDS)

#### Select Applications

- Talon SS4™ (SDS)
- Talon GP™ (SDS)
- Talon® Pontoon (SDS)
- Painted Stainless Steel



#### PERFORMANCE 3 (SDS)

Excellent-performing, general-purpose, stainless-steel propeller, available in right- and select left-hand rotation for 25 – 300 hp outboards.



#### TALON SS (SDS)

Smooth, quiet shifting and trolling for F70 – F115 and T50/T60 outboards on pontoon, walleye, fiberglass and deep-V boats.



#### TALON SS4 (SDS)

Stronger hole shot than comparable 3-blade propellers. Excellent on mid-range power flats boats or applications with high engine-mounting heights. Fits F70 – VF115 and T50/T60 K series (4.25") gearcases.



#### TALON GP (SDS)

Ideal for lighter-weight boats using T50 – F115 outboards, its special blades provide "grip" on the water in turns and at high trim angles.



#### TALON PONTOON (SDS)

Excellent low-speed operation, providing higher thrust and control than conventional propellers on pontoons using T50 – F115 outboards.



#### PAINTED STAINLESS STEEL

Excellent general-purpose propeller for 25 hp – 300 hp, in left- and right-hand rotation. More durable than aluminum.

## EVERYTHING YOU NEED TO KNOW IS A CLICK AWAY.

Maintenance plays a major part in maximizing performance and ensuring the longevity of your outboard. To access maintenance tips and guidelines for your Yamaha outboard,\* simply visit [Maintenance.YamahaOutboards.com](http://Maintenance.YamahaOutboards.com).

It's there for you when you need it—wherever you need it—at home, at the marina or on the water. This is just a sampling of the topics it covers:



**Corrosion Protection**



**Fuel & Fuel System**



**Interval Maintenance**



## PROTECT AGAINST ETHANOL.

Ethanol is in most of today's gasoline brands to help reduce emissions and extend domestic fuel supplies. Unfortunately, ethanol can also diminish engine performance, corrode your fuel system and cause catastrophic damage. Luckily, Yamaha offers quality products to help protect your engine and fuel system:

- Install a 10-micron fuel/water separating filter.
- Add Yamalube® Fuel Stabilizer & Conditioner PLUS to each tank of fuel.
- Add Yamalube Ring Free PLUS internal engine cleaner to each tank of fuel.
- Buy gas where they sell a lot of it to ensure fuel freshness.

**YAMALUBE FUEL ADDITIVES.** Ring Free PLUS and Fuel Stabilizer & Conditioner PLUS help protect your engine from carbon buildup and your fuel system from phase separation and ethanol sulfate salt corrosion.



## GET THE MOST OUT OF YOUR YAMAHA OUTBOARD.

Regular and interval maintenance, as well as proper extended storage procedures, are the best ways to optimize performance and keep your Yamaha running for a good, long time.

**Regular Maintenance** – Daily maintenance keeps an outboard clean, inside and out. Flush your engine with fresh water after each day out, treat each tank of fuel with stabilizer and perform visual inspections to spot things like weeds around the prop.

**Interval Maintenance** – Schedule service for oil and filter changes, and gearcase lubrication. Use Genuine Yamaha and Yamalube® products or visit an authorized Yamaha service department.

**Extended Storage** – Defend against the elements while dry docked, slipped or trailered in the off-season. Simple tasks like treating your fuel system with fuel stabilizer can protect against corrosion.



|                                     | OFFSHORE                        |                       |                                            | IN-LINE FOUR                       |                                                                    | MIDRANGE              |                             |                       |                       |                       | PORTABLES                                     |                       |                                   |                                    |                       | V MAX SHO®                    |                                                |                       |                       | HIGH THRUST           |                       |                       | JET DRIVE             |                       |                       |                       |                       |
|-------------------------------------|---------------------------------|-----------------------|--------------------------------------------|------------------------------------|--------------------------------------------------------------------|-----------------------|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------------------------------|-----------------------|-----------------------------------|------------------------------------|-----------------------|-------------------------------|------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                     | XF425                           | F350C                 | F300 / F250 / F225                         | F200 / F175                        | F150                                                               | F115                  | F90 / F75                   | F70                   | F60 / F50             | F40 / F30             | F25 / F20                                     | F15                   | F9.9 / F8                         | F6 / F4                            | F2.5                  | VF250 / VF225 / VF200         | VF175 / VF150                                  | VF115                 | VF90                  | T60 / T50             | T25                   | T9.9                  | F150 (105 HP)         | F115 (80 HP)          | F90 (65 HP)           | F60 (40 HP)           | F40 (30 HP)           |
| <b>Engine Type</b>                  | <b>NEW</b><br>V8                | V8                    | V6                                         | 4 cyl.                             | 4 cyl.                                                             | 4 cyl.                | 4 cyl.                      | 4 cyl.                | 4 cyl.                | 3 cyl.                | <b>NEW F20</b><br>2 cyl.                      | 2 cyl.                | 2 cyl.                            | 1 cyl.                             | 1 cyl.                | V6                            | 4 cyl.                                         | 4 cyl.                | 4 cyl.                | 4 cyl.                | 2 cyl.                | 2 cyl.                | 4 cyl.                | 4 cyl.                | 4 cyl.                | 4 cyl.                | 3 cyl.                |
| <b>Displacement*</b>                | 5.6L<br>5559 cc                 | 5.3L<br>5330 cc       | 4.2L<br>4169 cc                            | 2.8L<br>2785 cc                    | (DEC Model)<br>2.8L<br>2785 cc<br>(Mech. Model)<br>2.7L<br>2670 cc | 1.8L<br>1832 cc       | 1.8L<br>1832 cc             | 1.0L<br>996 cc        | 1.0L<br>996 cc        | 747 cc                | 432 cc                                        | 362 cc                | 212 cc                            | 139 cc                             | 72 cc                 | 4.2L<br>4169 cc               | 2.8L<br>2785 cc                                | 1.8L<br>1832 cc       | 1.8L<br>1832 cc       | 1.0L<br>996 cc        | 432 cc                | 212 cc                | 2.7L<br>2670 cc       | 1.8L<br>1832 cc       | 1.8L<br>1832 cc       | 1.0L<br>996 cc        | 747 cc                |
| <b>Full Throttle RPM Range</b>      | 5000~<br>6000                   | 5000~<br>6000         | 5000~<br>6000                              | 5000~<br>6000                      | 5000~<br>6000                                                      | 5300~<br>6300         | 5000~<br>6000               | 5300~<br>6300         | 5000~<br>6000         | 5000~<br>6000         | 5000~<br>6000                                 | 5000~<br>6000         | 5000~<br>6000                     | 4500~ 5500 (F6)<br>4000~ 5000 (F4) | 5250~<br>5750         | 5000~<br>6000                 | 5000~<br>6000                                  | 5300~<br>6300         | 5000~<br>6000         | 5000~<br>6000         | 5000~<br>6000         | 5000~<br>6000         | 5000~<br>6000         | 5300~<br>6300         | 5300~<br>6300         | 5000~<br>6000         | 5000~<br>6000         |
| <b>Alternator Output at W.O.T.*</b> | 90A                             | 50A                   | 70A (DEC Controls)<br>50A (Mech. Controls) | 50A                                | (DEC Model) 50A<br>(Mech. Model) 35A                               | 35A                   | 35A                         | 17A                   | 16A                   | 17A                   | 16A                                           | 10A**                 | 6A**                              | 6A**                               | N/A                   | 50A                           | 50A                                            | 35A                   | 35A                   | 16A                   | 16A                   | 6A                    | 35A                   | 35A                   | 35A                   | 16A                   | 17A                   |
| <b>Compression Ratio*</b>           | 12.2:1                          | 9.6:1                 | 10.3:1                                     | 10.3:1                             | 9.0:1                                                              | 10.0:1                | 10.0:1                      | 9.4:1                 | 9.5:1                 | 9.4:1                 | 9.3:1                                         | 9.3:1                 | 9.4:1                             | 8.9:1                              | 8.8:1                 | 10.3:1                        | 10.3:1                                         | 10.0:1                | 10.0:1                | 9.5:1                 | 9.3:1                 | 9.4:1                 | 9.0:1                 | 10.0:1                | 10.0:1                | 9.5:1                 | 9.4:1                 |
| <b>Fuel Induction System†</b>       | DOHC<br>Direct Injection<br>VCT | DOHC<br>EFI VCT       | DOHC<br>EFI VCT                            | DOHC<br>EFI VCT<br>(F200 Only)     | DOHC<br>EFI VCT<br>(DEC Model only)                                | DOHC<br>EFI           | SOHC<br>EFI                 | SOHC<br>EFI           | SOHC<br>EFI           | SOHC<br>EFI           | SOHC<br>EFI                                   | SOHC<br>Carb.         | SOHC<br>Carb.                     | OHV<br>Carb.                       | OHV<br>Carb.          | DOHC<br>EFI VCT               | DOHC<br>EFI VCT                                | DOHC<br>EFI           | SOHC                  | SOHC<br>EFI           | SOHC<br>EFI           | SOHC<br>Carb.         | DOHC<br>EFI           | DOHC<br>EFI           | SOHC<br>EFI           | SOHC<br>EFI           | SOHC<br>EFI           |
| <b>Ignition System</b>              | TCI Micro<br>Computer           | TCI Micro<br>Computer | TCI Micro<br>Computer                      | TCI Micro<br>Computer              | TCI Micro<br>Computer                                              | TCI Micro<br>Computer | TCI Micro<br>Computer       | TCI Micro<br>Computer | TCI Micro<br>Computer | CDI Micro<br>Computer | CDI Micro<br>Computer                         | CDI Micro<br>Computer | CDI Micro<br>Computer             | CDI Micro<br>Computer              | TCI Micro<br>Computer | TCI Micro<br>Computer         | TCI Micro<br>Computer                          | TCI Micro<br>Computer | TCI Micro<br>Computer | TCI Micro<br>Computer | CDI Micro<br>Computer | CDI Micro<br>Computer | TCI Micro<br>Computer | TCI Micro<br>Computer | TCI Micro<br>Computer | TCI Micro<br>Computer | CDI Micro<br>Computer |
| <b>Controls</b>                     | Digital                         | Digital               | Digital<br>or Mech.                        | Digital<br>or Mech.                | Digital<br>or Mech.                                                | Mech.***              | Mech.***                    | Mech.***              | Mech.***              | Mech.***<br>or Tiller | Mech.***<br>or Tiller                         | Tiller                | Mech. (F9.9 Only)<br>or Tiller    | Tiller                             | Tiller                | Mech.                         | Mech.                                          | Mech.                 | Mech.                 | Mech.***              | Mech.***              | Mech.<br>or Tiller    | Mech.***              | Mech.***              | Mech.***              | Mech.***              | Mech.***<br>or Tiller |
| <b>Helm Master® Compatible</b>      | Yes                             | Yes                   | Yes<br>(DEC models only)                   | Yes<br>(DEC models only)           | Yes<br>(DEC models only)                                           | No                    | No                          | No                    | No                    | No                    | No                                            | No                    | No                                | No                                 | No                    | No                            | No                                             | No                    | No                    | No                    | No                    | No                    | No                    | No                    | No                    | No                    | No                    |
| <b>Starting System</b>              | Electric                        | Electric              | Electric                                   | Electric                           | Electric                                                           | Electric              | Electric                    | Electric              | Electric              | Electric              | Manual<br>or Electric<br>Electric<br>+ Manual | Manual<br>or Electric | Manual<br>or Electric (F9.9 Only) | Manual                             | Manual                | Electric                      | Electric                                       | Electric              | Electric              | Electric              | Electric<br>+ Manual  | Manual<br>or Electric | Electric              | Electric              | Electric              | Electric              | Electric              |
| <b>Shaft Length</b>                 | 25 in.<br>30 in.<br>35 in.      | 25 in.<br>30 in.      | 25 in.<br>30 in.<br>35 in. (F300 Only)     | 20 in.<br>25 in.                   | 20 in.<br>25 in.                                                   | 20 in.<br>25 in.      | 20 in.<br>25 in. (F90 Only) | 20 in.                | 20 in.                | 20 in.                | 15 in.<br>20 in.                              | 15 in.<br>20 in.      | 15 in.<br>20 in.                  | 15 in.<br>20 in.                   | 15 in.<br>20 in.      | 20 in.<br>25 in. (VF250 Only) | 20 in.<br>25 in.                               | 20 in.<br>25 in.      | 20 in.<br>25 in.      | 20 in.                | 20 in.<br>25 in.      | 20 in.<br>25 in.      | Fits<br>25 in.        | Fits<br>25 in.        | Fits<br>25 in.        | Fits<br>25 in.        | Fits<br>20 in.        |
| <b>Gear Ratio</b>                   | 25:14<br>(1.79)                 | 26:15<br>(1.73)       | 21:12<br>(1.75)                            | 26:14<br>(1.86)                    | 28:14<br>(2.0)                                                     | 28:13<br>(2.15)       | 28:13<br>(2.15)             | 28:12<br>(2.33)       | 24:13<br>(1.85)       | 26:13<br>(2.0)        | 27:13<br>(2.08)                               | 27:13<br>(2.08)       | 27:13<br>(2.08)                   | 27:13<br>(2.08)                    | 27:13<br>(2.08)       | 21:12<br>(1.75)               | VF175<br>26:14 (1.86)<br>VF150<br>28:14 (2.00) | 28:13<br>(2.15)       | 28:12<br>(2.33)       | 28:12<br>(2.33)       | 27:13<br>(2.08)       | 28:13<br>(2.92)       | N/A                   | N/A                   | N/A                   | N/A                   | N/A                   |
| <b>Weight*</b>                      | 952 lbs.                        | 763 lbs.              | 551 lbs.                                   | 487 lbs. (F200)<br>483 lbs. (F175) | 478 lbs.                                                           | 377 lbs.              | 353 lbs.                    | 253 lbs.              | 247 lbs.              | 214 lbs.              | 126 lbs.                                      | 111 lbs.              | 87 lbs.                           | 59 lbs.                            | 37 lbs.               | 505 lbs.                      | 480 lbs.                                       | 377 lbs.              | 353 lbs.              | 262 lbs.              | 141 lbs.              | 102 lbs.              | 493 lbs.†             | 378 lbs.†             | 354 lbs.†             | 257 lbs.†             | 219 lbs.†             |

\* Weight refers to shortest shaft length, and is measured without motor oil, gearcase oil and propeller (except models 25 hp and under, which include a standard propeller).

\*\* Consult your dealer for optional equipment

\*\*\* Can be equipped with Yamaha's Multi-Function Tiller Handle

† All jet model weights include the jet pump assembly (weight estimated)

◆ Values rounded

▼ All DOHC models and F70 have four valves per cylinder

F2.5–F25 models come standard with a three-blade aluminum propeller. T9.9 and T25 models come standard with a three-blade aluminum Dual Thrust™ propeller. All models feature F-N-R shifting except F2.5 (F-N) | All models are three-star rated for emissions (ultra-low) by the California Air Resources Board (C.A.R.B.)



The new XF425 model is protected by our Five-Year Limited Warranty for pleasure use. The F350C model is also protected by our Five-Year Limited Warranty for pleasure use, with production dates of March, 2016 and forward.

**DUE TO YAMAHA'S ONGOING COMMITMENT TO PRODUCT IMPROVEMENT**, we reserve the right to change without notice, equipment, materials, specifications or prices. Your Yamaha Dealer is the best source for up-to-date product information.



Read and follow the operation and maintenance guidelines provided by Yamaha in your Owner's Manual. Always observe all applicable boating laws. Never drink and drive. Dress properly with a USCG-approved personal flotation device and protective gear.

All other new Yamaha four-stroke outboards are protected by our Three-Year Limited Warranty for pleasure use.

While every effort has been made to ensure the accuracy of the information contained herein, specifications and measurements are approximations and subject to variances. Yamaha does not guarantee such accuracy and can't be held liable for any errors or any reliance upon this information.



*Empowered by a passion for innovation,  
we create exceptional value and experiences  
that enrich the lives of our customers.*



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Professional riders depicted on closed course. Always dress properly for your ride with a helmet, eye protection and protective clothing; Side-by-Side riders: Wear your seat belt, helmet, eye protection and protective clothing. Avoid excessive speeds and never engage in stunt riding. Always inspect your Yamaha before riding. Read the Owner's Manual and the product warning labels before operation. Yamaha and the Motorcycle Safety Foundation (MSF) encourage you to ride safely and respect the environment. For safety and training information, see your dealer or call the MSF at 800-446-9227. ATV shown is recommended for use only by riders age 16 years and older. Yamaha recommends that all ATV riders take an approved training course. For safety and training information, see your dealer or call the ATV Safety Institute at 800-887-2887. Read the Owner's Manual and the product warning labels before operation. Models shown with optional accessories. Vehicle specifications subject to change.

REMEMBER to always observe all applicable boating laws. Never drink and drive. Dress properly with a USCG-approved personal flotation device and protective gear. Boat smart from the start. Take a boating safety course and get a free vessel safety check annually for your boat. For more information, contact: United States Coast Guard Auxiliary online at [www.cgaux.org](http://www.cgaux.org), or United States Power Squadrons at 888-for-usps or [www.usps.org](http://www.usps.org).

For the name of your nearest Yamaha Marine Dealer or for more information on our complete line of Yamaha Outboards, please visit us at [YamahaOutboards.com](http://YamahaOutboards.com) or call 1-800-889-2624.

**Dealer Imprint Area**  
(Please Remove-No UV Coating in this area)

