

Yamaha EXR (2019-)

Brief Summary

The Yamaha EXR is the top-of-the-line in the Yamaha EX series with a 3-cylinder, 4-stroke TR-1 High Output Yamaha marine engine. Yamaha has added a high-performance intake and an extended nozzle to improve the EXR’s operating capabilities. Yamaha further enhanced the EXR by incorporating their exclusive NanoXcel 2 technology into the design, increasing the performance and efficiency by reducing the weight of the craft by 60-lbs. (27 kg). Add the RiDE Drivers switch trigger enabling the driver to go from forward to neutral to reverse with one pull of the throttle. The result is easier deceleration, reversing and docking.

Price

Base Price\$9299.00

Prices, features, designs, and equipment are subject to change. Please see your local dealer or visit the builder's website for the latest information available on this boat model.

Key Features

- 1-liter, 3-cylinder, 4-stroke, High Output Yamaha marine engine
- 1 to 3-persons rider capacity
- 7.7-gallons (29 L) of storage capacity
- NanoXcel®2 lightweight construction
- Reverse RiDE™ with traction control
- Dual sideview mirrors
- Deck mats

Specifications

Length Overall	123.6" / 3.14 m
BEAM	44.5" 1.13 m
Dry Weight	540 lbs. 245 kg

Tested Weight	
Draft	N/A
Draft Up	
Draft Down	
Air Draft	
Deadrise/Transom	N/A
Max Headroom	open
Bridge Clearance	N/A
Weight Capacity	
Person Capacity	3
Fuel Capacity	13.2 gal. 50 L
Water Capacity	N/A
Length on Trailer	
Height on Trailer	
Trailer Weight	
Total Weight	
Aft Deck	

Salon Inside Width	
Salon Fore & Aft	
Salon Height	
Salon Volume	
Galley Volume	
Master SR Width	
Master SR fore & Aft	
Master SR Overhead	
Master SR Volume	
Eng. Room Volume	

Acceleration Times & Conditions

Time to Plane	
0 to 20	
Ratio	
Props	
Load	
Climate	

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Yamaha EXR running

The Yamaha EXR WaveRunner is the highest performance model in the Yamaha EX lineup of modestly priced watercraft. The “R” in the Yamaha EXR name is symbolic for “race inspired.”

Yamaha EXR running

Yamaha has upgraded the EXR with their proprietary NanoXcel 2 construction technology which makes it lighter and stronger.

Mission

Yamaha has combined their extensive knowledge and experience to refine their highest performing personal watercraft in their EX series, the EXR WaveRunner. Yamaha's EXR is designed to provide an exciting experience on the water at a modest purchase price. The EXR is agile, fun and playful, with a more powerful engine, Yamaha's TR-1 HO with improved weight to power ratio and greater durability.

Yamaha EXR running

Yamaha has WaveRunner models ranging from economical to performance racers. The Yamaha EXR falls into the race-inspired performance category with an economical bent.

Major Features

- **1-Liter, 3-cylinder, 4-Stroke High Output Jet Drive.** Yamaha's award-winning naturally-aspirated engine.
- **Digital Display.** The center-mounted digital display with speed readout, hour meter, fuel level and other basic functions.
- **High-Performance Intake Grate.** The EXR features a new race-inspired, high-performance intake grate.
- **Extended Jet Nozzle.** The all-new EXR comes with a pump extension for even quicker reaction times for a more responsive ride.
- **Lighter and Stronger.** The EXR is built with Yamaha's exclusive NanoXcel 2 construction technology making it 60-lbs. (27 kg) lighter.
- **Deceleration, Neutral, and Reverse Control.** Yamaha's RiDE system allows the operator to switch from forward to neutral to reverse, resulting in easier deceleration, reversing, and docking.
- **Integrated Fold-Down Re-Boarding Step.** Yamaha built in a single drop-down re-boarding step to make it easier to get onboard.
- **Two-Tone Deck Mats.** Custom cut rubberized non-skid deck mats add function and comfort when riding.

Performance

Yamaha EXR intake grate

A high-performance intake grate and ride plate creates higher in-flow, allowing for greater thrust from the water-jet pump.

The Yamaha EXR has a length of 123.6" (3.14 m) and a beam of 44.5" (1.13 m). With an empty weight of 540 lbs. (245 kg), a full tank of fuel, one person onboard and 50 lbs. (22.68 kg) of gear, there was an estimated weight of 672 lbs. (305 kg).

Top Speed. With a single Yamaha 1-liter, 3-cylinder, 4-stroke, High Output engine turning the internal impeller jet-drive, the test boat reached a top speed of 54 mph (86.9 kph) at 7350 rpm.

Cruise. Cruising at 5000 rpm and running at 32 mph (51.5 kph), the Yamaha EXR had a fuel consumption of 3.5 gph (13.1 lph) which translated to 9.3 miles per gallon and a range of 110 statute miles (177 km), while still holding back a 10% reserve of the boat's 13.2-gallon (50 L) total fuel capacity.

Handling

Yamaha EXR running

The Yamaha EXR WaveRunner performance characteristics are race inspired and the EXR demonstrated a stimulating ride.

At Speed. With the Yamaha NanoXcel™ 2 construction technology reducing the overall weight of the Yamaha EXR by 60-lbs. (27 kg), the TR-1 High Output Yamaha marine engine accelerated onto plane virtually instantly. The high-performance intake grate and ride plate allows water to more readily enter the jet-drive causing more thrust. Yamaha added an extended jet nozzle to the EXR for improved response times and a sporty ride.

Yamaha EXR nozzle

Shown is the jet-pump nozzle extension that Yamaha added to improve the responsiveness of the EXR.

Low Speed Maneuvering. Equipped with the Yamaha RiDE system, the Yamaha EXR decelerates quickly with a flick of the left-hand trigger putting it in neutral and reverses when the left-hand trigger is subsequently squeezed, rapidly slowing the EXR. The RiDE system also allows for easy handling in low-speed maneuvering, such as docking. The reverse-bucket drops down providing lateral thrust. The lateral thrust acts like side thrusters.

Yamaha EXR running

Shown is the Yamaha EXR reversing. Note the thrust coming from the sides.

Yamaha EXR ride

The Yamaha EXR's RiDE system allows the operator to decelerate rapidly without "nose-diving."

Yamaha EXR reverse

With the Yamaha EXR in reverse, the operator steers from the bow by turning the handlebars which vectors the thrust as shown above making low-speed maneuvering much easier.

Features Inspection

Yamaha EXR pwo

The Yamaha EXR WaveRunner is designed for aggressive performance and is rated to accommodate up to three-riders. However, a two-rider maximum is recommended to ride comfortably.

Stern

The stern of the Yamaha EXR is designed for easy boarding from in the water with custom-cut, rubberized non-skid that is easy on bare feet. The non-skid surface also deters the heat from the sun. Further back is a flip down re-boarding step, making it easier to re-board the Yamaha EXR without having to climb and pull oneself out of the water.

Yamaha EXR mats

The custom-cut, two-tone mats are a significant addition to the comfort level on the Yamaha EXR.

Yamaha EXR step

Shown is the re-boarding step being depressed into the lowered position. Note the grab handle at the base of the seat making re-boarding easier.

Side Decks

The side decks on the Yamaha EXR also have custom-cut, rubberized non-skid for comfort and security.

Yamaha EXR side decks

The side decks taper on the Yamaha EXR from the stern to the footwells.

Seats

The seats on the Yamaha EXR offer a level of comfort and security that is expected from the quality reputation of Yamaha's WaveRunner line.

Yamaha EXR seat

Although technically rated for up to three riders, the seat on the Yamaha EXR is best suited for no more than two riders.

Yamaha EXR grab rail

A built-in grab rail helps facilitate back seat riders when facing forward or when facing aft, acting as the required observer during tow-sport operation.

Yamaha EXR tow sports

To accommodate tow-sports, Yamaha provided a tow rope connection under the aft end of the seat on the EXR.

Storage

The Yamaha EXR has 7.7-gallons (29 L) of storage capacity situated throughout several separate compartments. Yamaha claims the EX Series offers more storage options than other comparably-priced personal watercraft.

Yamaha EXR forward storage

The forward storage compartment hatch is hinged and is held open by gravity.

Yamaha EXR storage hatch

A small hatch below the handle bars on the Yamaha EXR reveals a convenient storage compartment.

Yamaha EXR storage bin

Under the seat is a removable storage bin and a removable fire extinguisher compartment.

Yamaha EXR fuel fill

The Yamaha EXR has a convenient fuel-fill (yellow arrow) located on forward of the port side-deck. Yamaha recommends regular unleaded gasoline.

Control Systems

The hand grips on both sides of the Yamaha EXR are ergonomically designed and padded to help the operator stay comfortable. Dual rear-view mirrors are well placed outside of the forward storage hatch.

Yamaha EXR trigger

The trigger throttle on the Yamaha EXR is located outside the righthand handlebar grip (red arrow).

Yamaha EXR start button

The engine start button is on the outside of the left side handlebar (yellow arrow). The shift trigger (green arrow) allows the operator to go into neutral mode and reverse mode.

RiDE Technology. Yamaha has designed a reverse-bucket that drops down over the jet nozzle and vectors the flow to both or either side to create better control when reversing. It can also create a braking effect when at speed. There is actually no shifting or reversing the jet drive. However, RiDE provides a neutral position to stop forward or reverse motion.

Reverse. By flicking the left-hand trigger and subsequently squeezing the left-hand trigger, the Yamaha EXR reversing bucket drops down over the jet nozzle effectively putting the EXR in reverse. Turning the

handle bar vectors the thrust. Reverse steering is opposite of forward steering. Consider steering the bow not the stern.

Neutral. A quick squeeze of the left-hand trigger puts the Yamaha EXR into neutral. This effectively keeps the EXR from moving forward or backward but turning the handlebars will cause the boat to pivot rather than turn.

Braking. A big benefit of the RiDE technology is braking. At any speed, squeezing the left-hand trigger slows the engine while simultaneously dropping the reverse bucket, effectively creating a braking effect without putting the EXR into a nosedive. Keep squeezing and the braking begins reversing.

Yamaha EXR stop

On the left side handlebar is the engine stop button (yellow arrow), the kill switch safety, and wrist lanyard (green arrow).

Digital Display

The Yamaha EXR offers a basic digital display that shows the fuel level, current “gear,” speed in miles per hour, and rotating hours and voltage meter.

Yamaha EXR digital

Shown is the digital display on the Yamaha EXR. It displays the fuel level (yellow arrow). Current “gear” in this example is F for forward (green arrow). Speed, in this example, is 0-mph (purple arrow), and rotating voltage and hour meters in this example is 15-hours.

Side View Mirrors

The dual side-view mirrors are mounted on both sides of the forward storage hatch, safely within the strike-zone when docking.

Yamaha EXR mirrors

The side-view mirrors provide improved safety by allowing the operator to see what is behind before beginning a maneuver. However, it is always recommended that the operator look behind to double check.

Engine

The Yamaha EXR comes with Yamaha's award-winning TR-1 High Output (HO) engine which is a 1049cc, 3-stroke, 4-cylinder motor.

Yamaha EXR storage

Under the removable storage bin and fire extinguisher tray is the access to the Yamaha HO engine. Day-check points are all within easy access.

Construction

The hull and deck of the EXR is built with Yamaha's proprietary NanoXcel 2 construction process which produces a stronger, lighter watercraft with a superior finish.

Yamaha EXR running

Yamaha employed their proprietary NanoXcel 2 construction process for the 2019 EXR, shaving off 60-lbs. (27 kg) from the previous models.

Warranty

1-year warranty.

Options to Consider

Optional accessories are available from Yamaha or third-party manufacturers. Accessories from Yamaha to consider include:

Yamaha WaveRunner Starter Kit.

- Two U.S. Coast Guard Approved/UL Listed PFDs that are adjustable to fit most adults (sizes small to large)
- Nylon case for storage
- Whistle to clip on your PFD to meet requirements for a sound signaling device
- Easy-to-pack first aid kit
- Two black 10" (.25 m) personal watercraft fenders
- Two white 12' (3.66 m) dock lines
- Available with Yamaha branding or without
- Kwik Tek® Yamaha dock lines.
- WaveRunner cover.
- WaveRunner Handlebar Pack.
- Yamaha soft side cooler.
- Yamaha tube tow rope.
- Yamaha branded tow tube.

Price

The Manufacturers Suggested Retail Price (MSRP) for the Yamaha EXR is \$9,299.

Observations

Yamaha offers a wide range of WaveRunner models and there is a lot to like throughout their model lineup for varying reasons. Economy, budget, performance, and luxury. BoatTEST.com has tested virtually every WaveRunner model Yamaha has to offer. The racing-inspired Yamaha EXR with its award-winning TR-1 High Output engine and high-performance intake grate and ride plate gives the EXR plenty of thrust to provide impressive acceleration. Add the extended pump nozzle to improve responsiveness and the EXR provides an exhilarating ride. Add the Yamaha RiDE technology that provides braking and improved low speed maneuvering, making the Yamaha EXR an excellent value-priced under \$10,000.