2023 MODEL INFORMATION

Kawasaki
Let the good times roll

MODEL NAME **JET SKI STX 160X / STX 160LX**

MARKETING CODE **JT1500SPFNN / JT1500TPFNN**

Version: 05 JAN 2023

Intended as a general reference for the preparation of sales promotion and marketing material, some of the material contained herein may not apply to your market.

Photos used in this Model Information generally depict the USA model.

STX160 Series

Kawasaki JET SKI's masterpiece, the STX series, was fully remodeled in 2020. We refreshed the value of our long-selling sports personal watercraft, giving them a complete overhaul for the new era, without any change to their basic performance. The design has been renewed with the aim of improving comfort and upgrading equipment, while maintaining engine power and maneuverability (handling) from the predecessor.

Leading the World of Watercraft Through Power and Handling

The history of STX can be traced back to the 1997 JET SKI 900STX watercraft. This model was introduced as a 3-seater PWC equipped with a 2-stroke 3-cylinder 900 cc engine, which was considered a high-powered engine in those days. At a time when 2-seater PWCs were the mainstream, 3-seater PWCs equipped with high-powered engines were very effective not only for long-distance touring, but also for towing and wakeboarding, From the late 90s onward, the 3-seater PWC evolved into the most popular class of PWC.

As the engine displacement increased, this model evolved into the JET SKI 1100STX and the JET SKI 1200STX-R. The hull, with its high straight-line stability and excellent maneuverability, played an active role in the world of PWC racing from the late 1990s to the early 2000s. The JET SKI STX-12F, equipped with a 4-stroke engine continued to develop based on the 2003 Ninja ZX-12R engine. It became very popular at the time due to its power, clean emissions, and quiet operations. The following year, in 2004, the JET SKI STX-15F, which boasted the maximum displacement at the time, was released and quickly established its position as a top-class model. Always equipped with a high-powered engine, the STX became the most popular 3-seater PWC.

The Aim of STX 160 Series

While keeping the high-power engine and highly maneuverable hull, our goal was to create an even more appealing 3-seater PWC by offering a more comfortable riding position, increased number of easy-to-use functions, and a brand-new design.

The most significant change is the newly reborn style. By raising the overall height of the hull and extending the rear portion of the bumper, we created a sporty shape with flowing lines and massive feel. By maintaining a relationship with the ULTRA series in terms of design, the watercraft has an impressive styling that can be recognized as a brand-new STX at a glance.

Simultaneously, we changed the riding position. Ample room for the rider's torso as well as legs to stretch provides comfort and control. Together with the newly designed seat, it greatly improves comfort for long distance touring.

In addition, touring function has been improved by increased fuel capacity and larger storage. Equipment has been improved as well and now includes electronic cruise control, extended re-boarding footboard, comfortable handle grips, and cup holders, an LX model that has been upgraded also with a Bluetooth audio system. Designed to appeal to range of riders, the rebirth of this watercraft will expand the dreams and enjoyment offered by marine leisure.

■ Concept

Entry Powerful Sports

This series was developed as a successor to the JET SKI STX-15F personal watercraft. It inherits the well-known powerful engine and excellent straight-running handling of the STX hull, while at the same time adopting a new design that combines a comfortable riding position with ease of handling.

For first-time PWC owners, or those who already own a 15F and would like to replace it, this model compares favorably to competitor models as it has been reborn with an engine that boasts even higher output and excellent maneuverability combined with a new deck design.

The new model can be adapted for a variety of situations (family outings, recreation, cruising/touring, and so on). The functions are designed to make touring easier, more comfortable, and more enjoyable.


Cup Holder(s) P18
Electronic Cruise Control P13
Comfort Handle Grip (X/XL) P17
Accelerator Lever P13
All-digital Meter Panel P18
Reverse Lever P11
Storage P17
Triple KSD P15
STX Hull P15
Smart Learning Operation (SLO) Mode P13
Riding Position P11
LXury Seat (LX) P16
Slide and Lift Sheet P16
Two-step Rear Grip P17
Easy-access Rear Pocket P17
Re-boarding Footboard P17
Rear Platform P11
Liquid-cooled, DOHC, 16-valve 1,498 cc Engine P12
Engine Room P14
Built-in Cooling System P14
Fuel Tank P14
JETSOUND® Integrated Audio System Feature P16
Side Bumper Fin P15
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JETSOUND
STX

Style

- Elegant style with a sleek and dynamic feel
- Allows for a more relaxed riding experience, having reviewed various riding positions.
- Improved operability with the left reverse lever
- Expanded the area of the rear platform
- Deck mat: The LX is equipped with a two color tone dedicated deck mat

Engine

- Liquid-cooled, DOHC, 16-valve, parallel 4-cylinder, 1,498 cc
- Electronically controlled throttle with greatly reduced operating load
- Electronic Cruise Control
- One-touch 8 kph mode
- Kawasaki Smart Steering
- Smart Learning Operation (SLO) Mode
- Economical Riding Indicator to inform people about fuel efficiency
- 148 mm jet pump that eliminates output loss
- Immobilizers that contribute to theft deterrence
- Fuel tank is 78 L
- Improved serviceability by expanding the engine room
- A Built-in Cooling System

Hull

- The STX hull has been supported by a large number of users for many years
- Front triple KSD (Kawasaki Splash Deflector) to prevent splashing
- Side bumper fins to enhance the rectifying effect

Equipment

- JETSOUND® integrated audio system feature that allows you to enjoy cruising with music (Comes with the LX)
- Functions that allow you to connect to smartphones and music players (Bluetooth, USB, AUX)
- Slide and Lift Seat
- Improved comfort with a step inclusive sewn 2-color tone LXury seat (LX)
- Comfort Handle Grip
- Re-boarding footboard that enables re-boarding from a lower position
- Two-step rear grip for convenient re-boarding
- All-digital Meter Panel
- Large capacity storage box
- Waterproof center storage box
- Rear pocket that offers easy access for storing towing ropes, etc.
- Two cup holders

Style

Design Concept : Sleek and Dynamic

Flowing Lines and Massiveness

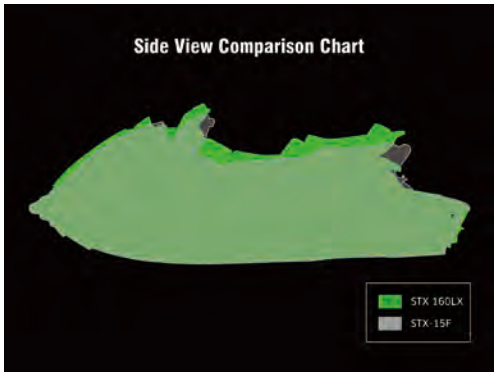
* Deck height has been raised and rear section of the bumper has been extended. With a sporty form of flowing lines and massiveness, it boasts a distinctive style that makes it immediately recognizable as an STX.
* The deck expertly fuses sleek appearance with muscular surfaces marked by well-defined edges, all of which realize the sleek and dynamic concept. The long highlights flowing through the smooth deck emphasize the unique beauty of Kawasaki products that cannot be found in competitiors.

* The iconic nose grille of ULTRA series has been adopted. The sculpturesque and aggressive front mask represents the unified image of Kawasaki JET SKI family.
* The handle pad is compact in size and has color, creating a nimble and sharp design around the handle section.
* The bumper is a three-dimensional shape with well-defined edges that blends well with the Deck while creating a dynamic appearance..
* Rear view mirrors are significantly lighter and shaped to match the overall design, with a wider angle of view on outer edges of the mirrors.
* The speaker box on LX model provides riders with a clear sound. The form matches the image of the watercraft.

Style

Comfortable Riding Position

* A relaxed riding position with generous room for riders to stretch their legs. This greatly improves comfort.
* Combined with a newly designed seat, cruising is more comfortable than before.

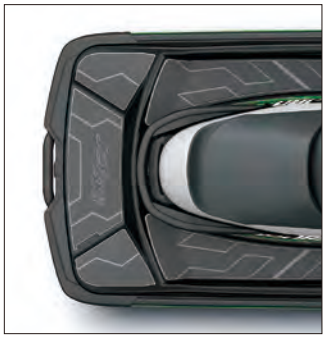


Reverse Lever Installed on the Left Side

The reverse lever previously installed on the right side has been moved to the left. Throttle and reverse maneuver necessary for leaving the shore and docking now has improved operability. Specifically, the rider can apply the throttle with her/his right hand and apply the reverse with her/his left hand.

Larger Rear Platform

* The rear platform now has a larger area by extending the rear bumper. LX is equipped with exclusive two-tone deck mat.



Engine

A High-performance Engine that Combines High Power with Ease of Handling.

High-powered and liquid-cooled DOHC, 16-valve, parallel 4-cylinder, 1,498 cc

* The installed engine is a DOHC, 16-valve, parallel 4-cylinder with a displacement of 1,498 cc. The bore × stroke is 83 × 69.2 mm, the compression ratio is 10.6: 1, and fuel is supplied via an electronic fuel injection system.
* The electronic fuel injection system provides a sharp throttle response.
* The throttle body diameter is 60 mm, providing a quick response and high power at all speeds.
* The generator and power output are located at the rear of the crank. The camshaft and oil pump drive are located at the front.
* Corrosion-resistant valves contribute to ensure high reliability that helps to conserve the marine environment.
* The intake and exhaust valve sizes are 33.4 mm on the intake side and 28.3 mm on the exhaust side.
* The narrow valve angle (IN = 12°, EX = 13°) allows for an efficient combustion chamber shape.
* The electroplated all-aluminum cylinders are lightweight, highly durable, and provide excellent heat dissipation.
* Cooling water is pumped from a jet pump. In order to prevent foreign substances such as dust from entering the system. A filter is installed at the entrance.
* Internally tapered piston pins for low reciprocating weight.
* The front cam drive enables efficient engine intake with a narrow valve angle. Because there is a drive at the front end of the crank, the short, highly rigid crank exhibits high torsional rigidity. The forged crank is supported by five plain bearings and reduces friction loss with a small bearing journal.
* The silent cam chain reduces mechanical noise.
* A liquid-cooled exhaust manifold with a double wall structure is used for efficient cooling.
* Two water boxes contribute to help reduce exhaust noise.
* Digital transistor ignition with a timing sensor is installed at the front end of the crankshaft, and it is equipped with an engine speed limiter and K-TRIC (TPS) sensor.

Engine

An Accelerator Lever with an Accelerator Position Sensor

* Using an accelerator position sensor in the throttle lever section greatly reduces the operating load. The accelerator lever has become easier for everyone to handle, from beginners to advanced users.
* Using it along with cruise control can reduce the fatigue associated with the accelerator usage during long rides.

Electronic Cruise Control

* The rider can set the speed (engine speed) at will, and support will be provided for comfortable cruising.
* While the mode is enabled, you can run at the specified speed (engine speed) even when the throttle lever is fully grasped (in the fully open position).
* With the X and LX, the speed (engine speed) can be adjusted after being set with the UP/DOWN buttons that are within arm's reach.

One-touch 5 mph Mode

* This mode is convenient in places where you must avoid causing wake, such as in a marina or bay. You can maintain your speed at 5 mph (8 km/h) with a single touch.

Kawasaki Smart Steering

* A system that uses sensors to detect the engine speed, steering status, and throttle opening angle. When the operating conditions are met, it maintains the engine speed necessary for turning and generates propulsion even if the throttle is fully closed.

Smart Learning Operation (SLO) Mode

* A function that can keep the engine output lower than usual. This allows new riders to become familiar with the watercraft.

Economical Riding Indicator

* Rider-supporting technology in which the "ECO" symbol on the meter lights up when the system determines that fuel consumption efficiency is excellent.

Engine

Jet Pump

* The STX 160 series' high-speed jet pump achieves excellent maximum speed and acceleration.
* It uses an oval-edged three-blade cast stainless steel impeller for powerful acceleration, high thrust efficiency, and low cavitation. Sturdy stainless-steel blades are less susceptible to damage and help prevent cavitation erosion.
* The jet pump driveline is equipped with a large rubber coupling to absorb impact loads from powerful engines and reduce drive line noise.
* The robust drive shaft generates engine power stably and efficiently. The drive shaft is supported by a sealed bearing.
* The cast aluminum steering nozzle efficiently transmits the large engine thrust.

Immobilizer

* It is equipped with an immobilizer function that determines whether the engine can be started by electronic inquiry from the ignition key and ECU. This should help prevent theft.

78 L Fuel Tank

* The body work efficiently secures space and enables a fuel tank capacity of 78 L.
* Combined with engine characteristics that allow for good fuel efficiency.

Engine Room

* The bodywork provides adequate engine room space.
* Combined with the use of slide and lift seats, battery access is easy, making tasks from daily inspections to maintenance more efficient.

Built-in Cooling System

* It features a system that can clean the engine cooling path with the engine room closed. It reduces the noise from the surroundings during maintenance. Opening the slide and lift seat reveals a port for water washing.

Hull

Straight-line Stability, Handling Performance, and Compactness, All Expertly Balanced.

Triple KSD (Kawasaki Splash Deflector)

* The water that splashes on the rider during cruising is minimized, allowing for a comfortable riding experience.

Note: non-current colour shown in the images

Side Bumper Fin

Fins are installed at the bottom of the bumper that covers the deck surroundings. The constantly high rectifying effect improves driving stability.

<Other>

* A high-performance keel line improves maneuverability and rider control.
* The deck is made from fiber reinforced plastic (FRP) that produces a light and robust body.
* An integrated floating cell structure is used with improved sink resistance.
* A sturdy bumper that extends around the entire circumference protects the deck.
* The large rear platform facilitates re-boarding with ease after swimming / wakeboarding.
* The automatic siphon bilge system supports water discharge from the engine room during navigation.

Equipment

An Audio System that Enriches Your Marine Experience.

JETSOUND® Integrated Audio System Feature with Bluetooth (Comes standard with the LX)

* Consists of an amplifier, audio controller (built into the handle), and two speakers placed under the mirrors.
* The rating of the amplifier is 40 W × 4 channels (160 W maximum).
* Speaker ratings are 30 W each. Maximum 60 W × 2.
* Connectable via Bluetooth, USB, and AUX.
* USB and AUX ports are installed in the waterproof storage.
* The controls provided by the audio controller depend on the connection method.
  Bluetooth: Volume and song selection
  USB: Volume and song selection
  AUX: Volume only

Note: non-current colour shown in the images

Slide and Lift Sheet

A slide and lift system is used to open the rear seat. This allows easy access to under-seat storage and flush ports without the need to remove the rear seat.

LXury Seat (LX)

* Designed to fit the rider's body ergonomically to further improve comfort.

Note: non-current colour shown in the images

Equipment

Comfort Handle Grip (X/LX)

* A gun-grip handle grip that tapers outward.
* Easy to hold when riding in a straight line and features palm support. It also reduces shock waves.

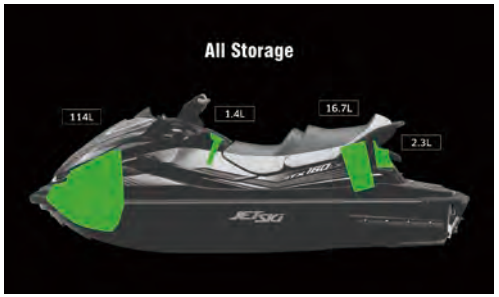
Two-step Rear Grip

* The rear grip has two grip sections for convenient re-boarding.

Re-boarding Footboard

* Step to make re-boarding easier when wakeboarding and swimming.

Increased Storage Capacity



* 114 L is available for front storage, and 16.7 L for rear seat storage.
* The central storage (1.4 L) has a waterproof compartment and is suitable for storing smartphones.
* The rear of the deck is equipped with a 2.3 L easy-access rear pocket that is convenient for storing wet towing ropes.

Equipment

All-digital Meter Panel

* It is equipped with a large digital meter that uses an LCD display with excellent visibility. A speedometer with a bar graph-type tachometer is located in the center,
* It displays various information such as a fuel gauge and instantaneous fuel consumption, an hour meter, an outboard water temperature meter, an external temperature meter, maximum speed history, an economic riding indicator, and so on.
* The position of the instrument panel and the design of the cockpit visor ensure excellent visibility.

Cup Holders

* (Two) Cup holders have been installed toward the back of the handle.

Other

* A wrist strap connected to the engine stop switch automatically stops the engine when the operator falls off the vessel.
* It is equipped with an MF battery that reduces maintenance and is easy to install and remove.

JT1500SPFNN : STX 160X

EBONY / LIME GREEN - BK1

JT1500TPFNN : STX 160LX

EBONY / NEON RED - BK1

JT1500SPFNN / JT1500TPFNN

Dimensions

Overall Length	3,152 mm
Overall Width	1,181 mm
Overall Height	1,153 mm
Maintenance Mass JT1500S	392 kg
JT1500T	398 kg
Fuel Tank Capacity	78 L

Performance

Maximum Output	118 kW {160 PS} / 7,500 min-1
Maximum Torque	152 N·m {15.5 kg*f*·m} / 6,000 min-1

Engine

Type	4-stroke, 4-cylinder, DOHC, 16-valve, Liquid-cooled
Bore × Stroke	83 × 69.2 mm
Displacement	1,498 cc
Compression Ratio	10.6:1
Fuel Supply Method	Electronically controlled fuel injection: ø60 mm × 1
Lubrication System	Semi-dry sump
Starting Method	Electric
Ignition Method	Digital

Drive System

Coupling	Direct drive
Propulsion Method	Axial flow Single stage
Thrust	4,250 N {433.3 kg*f*}
Impeller Diameter	148 mm
Steering	Steering nozzle