Honda Marine is expanding its product lineup in the portable engine category with the introduction of the BF4, BF5 and BF6 outboard engines. These all-new, portable models incorporate a number of advanced technological innovations that contribute to superior performance, reliability and ease of use. The Honda BF4, BF5 and BF6 models are equipped with the largest internal fuel tank in their class, offer a simple start-stop sequence, low vibration and noise—the ideal power package for small boats and dinghies.

Largest Internal Fuel Tank
Each engine integrates a large-capacity (1.5L) built-in fuel tank to give the longest continuous running time in its class (more than 40 minutes at full throttle). The BF5 and BF6 also can be connected to an external fuel tank for longer time on the water.

Operation: Simple Start/Stop
All three engines are equipped with a decompression mechanism to help make engine starting easy, regardless of engine temperature. The BF4, BF5 and BF6 are equipped with a one-touch engine stop switch for convenience and safety.

Low Vibration and Noise
Innovative, newly designed rubber mounts greatly reduce vibration and noise, providing comfortable cruising and a smooth ride at any engine speed.

Portability and Easy Storage
The Honda BF4, BF5 and BF6 are among the lightest in their class (59 lbs.– 60 lbs., depending on model) and feature redesigned carrying handles and an ergonomic design for easy carrying as well as a foldable down or up tiller handle for compact storage.
The all-new Honda BF4, BF5 and BF6 portable outboards provide class-leading performance in a compact design for a wide range of marine applications from leisure to emergency use. These next-generation, 4-stroke outboards are well-suited for different types of small boats including skiffs, inflatable boats and dinghies. The Honda BF4, BF5 and BF6 models are designed with a number of innovative features that result in easy start and stop, user-friendliness, portability and maneuverability.

1. How has Honda Marine configured start-up and stopping on the all-new BF4, BF5 and BF6 engine models?

For easier starting, a decompression mechanism serves to keep the engine’s exhaust valve open, decreasing the pressure, which reduces the recoil pull load making engine start up on the new Honda BF4, BF5 and BF6 engines easier than on the outgoing models. A one-push stop switch controls the spark of the engine’s spark plug. The result is that one push of the button completely stops the engine.

2. What are the benefits of the large capacity, built-in fuel tank of the new BF4, BF5 and BF6?

The new Honda Marine BF portable outboards are equipped with the largest internal fuel tank in their class (1.5L) that not only provides the longest continuing running time (more than 40 minutes at wide open throttle) but also reduces cockpit clutter. The BF5 and BF6 models also can be fitted with an external fuel tank.
3. **Explain the benefits of the Oil Alert feature on the new Honda BF4, BF5 and BF6 Honda Marine outboards.**

The Honda BF4, BF5 and BF6 portable outboards integrate an innovative Oil Alert feature offering boaters an added layer of protection for the motor. Should the oil pressure drop, a signal is sent and the engine goes into protection mode and the engine rpms drop to 2,300.

4. **How does the high charging capacity of the new Honda BF4, BF5 and BF6 portable outboards contribute to their class-leading performance?**

The all-new Honda BF4, BF5 and BF6 engines are available with an optional charging system with a capacity of 6 Amps at 12 Volts to power consumer demands for electronic devices on board, giving outdoor enthusiasts ample power to charge accessories including running lights, fish finders, GPS systems and other electronics.
5. Explain how the next-generation Honda BF4, BF5 and BF6 marine engines are designed to operate with low noise and low vibration.

Vibration levels of the all-new Honda Marine BF4, BF5 and BF6 engines are extremely low, made possible by the integration of new rubber mounts. The motor mounts connect the handle and the engine and isolates the motor from the tiller; the result is the handle grip and the boat hull experience minimal vibration across a wide range of operating ranges from idle to high speeds. Overall, low vibration reduces boater hand fatigue and contributes to a smoother ride; less vibration also reduces noise and provides for an optimal boating experience. At full throttle (5,000 rpm) speeds the new Honda BF4, BF5 and BF6 engines operate at an average of 86.2 dB(A) which is an average of 4.9 dB(A) lower than competitor models in the same class.
6. What design features of the new Honda Marine engines make them so portable and so easy to store?

The all-new Honda Marine BF4, BF5 and BF6 models aren’t just among the lightest in their class but are exceptionally easy to carry as a result of their redesigned carrying handle shape. The models can be carried either positioned front to back or left to right, allowing for easy transport and installation. When it comes to storage of the engine, the tiller handle can fold up and down in a variety of positions; folding down facilitates the stowing of the engine, particularly in tight storage compartments. In addition, auxiliary outboards can be easily stowed and away from the elements, rather than kept on the boat’s transom bracket.

7. How does the design of the Honda BF4, BF5 and BF6 lend itself to efficient fuel tank cooling?

The cover of the all-new Honda BF4, BF5 and BF6 is designed to effectively cool the internal fuel tank by facilitating the flow of cool air around the engine. During operation, ambient (cool) air is taken in under the engine’s cover and channeled toward the fuel tank. At the same time, hot air produced by the engine is directed away from the fuel tank and into the carburetor where it is mixed with cool air.
8. How does the new design of the cowling on the new Honda BF4, BF5 and BF6 enhance the appearance of the engines?

The engine cowling of the next-generation BF4, BF5 and BF6 is a wedge shape design—with the front of the cowling lower than the back to create a streamlined, flowing, aerodynamic line. This design is intended to mimic the flow of water across the hull.

9. What’s the significance of three different propeller choices for the new Honda outboards?

Choosing the best propeller for a boat is a key factor in performance, and choosing the wrong propeller can lead to poor fuel efficiency and issues with engine performance including slower speed and increased wear and tear on an engine. For increased flexibility, Honda offers three optional propeller variations for the all-new BF4, BF5 and BF6, depending on the application at hand, and torque, speed and power requirements.