



Honda Marine BF40 & BF50 EFI

Honda Marine's new BF40 and BF50 EFI afford boaters the fuel efficiency and quiet operation of Honda's legendary four-stroke outboard-engine technology combined with lighter weight and more powerful acceleration.

Redesigned for 2008, the engines incorporate electronic fuel injection, as well as a host of Honda-exclusive technologies. Honda's Boosted Low Speed Torque (BLAST) system and a new high-performance gear case combine for a strong holeshot, while Lean Burn Control provides a fuel savings of nearly 20 percent at cruise. And at 214 pounds, the engines represent the lightest in their class.

REDEFINING FOUR-STROKE PERFORMANCE

Ideal for small center consoles, inflatables, pontoons and aluminum bass/walleye

boats, Honda's redesigned BF40 and BF50 EFI redefine four-stroke performance with their patented BLAST system.

Advancing ignition-spark timing to within 1 degree of the knock limit during "hammer down" acceleration dramatically improves holeshots and acceleration. The Engine Control Module (ECM) then steps in to increase injector timing, creating a more potent air/fuel mixture. The resulting boost in torque gets the boat up on plane quicker. Ignition-spark timing is appropriately advanced under slower throttle advancement, ensuring a cleaner air/fuel mix and class-leading fuel efficiency.

The BF40 and BF50 EFI also feature Honda's all-new high-performance gear case. A longer anti-ventilation plate helps trap water flowing to the propeller to minimize porpoising, while a streamlined front and enlarged bullet reduce drag for enhanced acceleration and fuel efficiency. A front splash plate reduces spray from the hull bottom, helping maintain a dry deck above.

A CLOSER LOOK UNDER THE COWLING

The in-line three-cylinder BF40 and BF50 EFI feature a single-overhead-cam (SOHC) design that delivers optimal air/fuel mixture for maximum torque and combustion efficiency. Also, a multipoint electronic fuel-injection system (PGM-FI) accurately controls ignition timing and fuel flow during startup to provide instant throttle response regardless of weather conditions.

To achieve best-in-class fuel efficiency, the BF40 and BF50 EFIs utilize Honda's exclusive Lean Burn Control system. An oxygen sensor in the exhaust manifold provides constant feedback to the ECM, which in turn adjusts the engine's air/fuel mixture according to both speed and load under cruise conditions between 2,500 and 4,500 rpm. The ECM then determines the precise air/fuel mixture necessary for optimal economy, maintaining a comfortable cruising speed while improving fuel efficiency by as much as 20 percent.

The engines' best-in-class 22 amp alternator provides 17 amps of battery charging, while ignition electronics and other critical components are mounted near the top of the powerhead to ensure all are kept cool and dry.

Tiller models feature a new 4 amp warning system built into the tiller handle, while remote-control models deliver alerts via messaging through Honda's multifunction digital gauges or a special indicator built into the unit's control box.

The BF40 comes with a 20-inch shaft, while the BF50 offers 20- and 25-inch-shaft models. MSRP for remote-controlled BF40 models is \$7,136, while remote BF50 models retail for \$7,999. All new Honda outboard engines sold for recreational use offer an industry-best five-year, non-declining, limited factory warranty — as strong on the last day as on the first!

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