

# BF// 40/50

THE LATEST ADDITION TO THE HONDA MARINE RANGE.

THE MOST TECHNOLOGICALLY ADVANCED, LIGHT WEIGHT, QUIET 4-STROKE 40 AND 50 HP OUTBOARD ENGINES THE WORLD HAS EVER SEEN. FUEL INJECTED EFFICIENCY AND BLAST™ TECHNOLOGY DELIVER POWERFUL ACCELERATION MAXIMIZING SPEED AND PERFORMANCE.



# ULTIMATE PERFORMANCE

## COMPACT INNOVATION

The new BF50 and BF40 outboard engines will retain their class-leading lightweight, compact packaging, enhanced with PGM-FI1 electronic fuel injection, Honda's original BLAST™ (Boosted Low Speed Torque) air/fuel ratio and ignition-timing technology, and lean-burn control to deliver powerful startup and acceleration together with outstanding fuel economy during cruising.

## WINNING DESIGN

A reduction gear is employed to achieve compact engine layout by offsetting the in-line 3-cylinder engine forward, while a long-branch plastic inlet manifold and miniaturized electronic components further contribute to the class-topping lightweight, compact design.

Like Honda's larger outboard engines, the BF50 and BF40 feature a striking 'wing form' design, emphasizing the design concept of slimmness and strength.

## PERFORMANCE

BLAST, along with a newly designed gear case and other improvements, contributes to improved acceleration and a higher top speed.

## BOOSTED LOW SPEED TORQUE (BLAST™)

Hole shot and acceleration is improved by MBT trace control (ignition timing). MBT – **Minimum advance for Best Torque.**

Advanced ignition timing develops more horsepower at low revs to get the hull up on the plane quicker. **Super-strong acceleration** from 0-50m!

This patented technology **pioneers a new age in four-stroke outboard engines** and will be the benchmark for future Honda engine designs.



# EXCLUSIVE TECHNOLOGY & SPECIAL FEATURES

## OPERATIONAL PERFORMANCE AND RELIABILITY

The all new BF40 and BF50 engines employ BLAST (Boosted Low Speed Torque) air/fuel ratio and ignition-timing technology. An inbuilt computer selects the optimum ignition timing for the air/fuel ratio resulting in improved acceleration.

A set of four warning lamps alerts the operator in the event of low oil pressure, overheating, charging malfunction, or PGM-FI electronic fuel injection system malfunction.

Waterproofing of the gear case has been enhanced with an optimized shift rod seal and other improvements.

## LIGHTWEIGHT

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## FUEL EFFICIENT. PATENTED **ECOMO** TECHNOLOGY

The PGM-FI electronic fuel injection system and lean-burn control during cruising (sustained operation at engine speeds of approx. 3,000~4,500rpm) contribute to around a 22% improvement over the already exceptional fuel efficiency of the previous model.

**On a standard Fyran 500 at cruising speed (backpage photo) fuel economy with a standard BF50 was amazingly less than 6 litres per hour!**

## FEATURES

- 17-ampere battery charging capacity—at the top of its class for outboard engines with the same output.
- BF50 and BF40 can be used with a wide range of boat types due to their lightweight, compact design.
- A new one-touch plastic cap permits easy inspection of anode wear inside the engine, for significantly improved ease of maintenance.
- Both models are 93.6% recyclable (Honda calculations).
- Noise levels have been reduced by 1.0dB over the previous model

## ENVIRONMENTAL CREDENTIALS

Both models exhibit outstanding environmental performance, exceeding 2008 CARB (U.S. California Air Resources Board) emissions standards—the most stringent in the world. They also significantly exceed both U.S. EPA (Environmental Protection Agency) standards for 2006 and domestic Japanese voluntary regulations. OEDA three-star ultra-low emission rating.

