



BF50

Honda's elegant new design is the lightest engine available in its class. Perfect for aluminium boats and inflatables.

INTRODUCTION

ULTIMATE PERFORMANCE

BLAST™, along with a specially-designed gear case and other improvements, contributes to the BF50's improved acceleration and higher top speed.

A quick movement of the throttle control activates the BLAST™ system, advancing the ignition curve aggressively. 'Hole shot' and acceleration are vastly improved as more horsepower gets the hull up on plane quicker.

As well as this, advanced ignition timing develops more horsepower at low revs. The acceleration from 0-50m is ridiculously strong!

OPERATIONAL PERFORMANCE AND RELIABILITY

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

Designed to get you going faster, the high-performance gearcase reduces drag, reduces hull porpoising and minimises spray, while increasing acceleration and top speed. The waterproofing of the BF50's gear case has also been enhanced, with an optimised shift rod seal and other improvements.

And there's always plenty of electric power with the BF50. Honda's innovative technology enables this engine to output nearly twice as many charging amps as the competition's.

A WINNING DESIGN

A reduction gear is employed in the BF50 to achieve a compact engine layout by offsetting the in-line three-cylinder engine forward, while a long-branch plastic inlet manifold and miniaturised electronic components help give it a class-topping lightweight, compact design.

Like Honda's larger outboard engines, the BF50 features a striking 'wing form' design, showing off a slim, powerful look.

And when your BF50 needs a bit of maintenance, an easy 'screw-type' valve adjuster system requires no shims and reduces maintenance costs. Easyaccess side-mounted oil filter and oil filler makes keeping your engine in good shape a breeze.

LET'S NOT FORGET

The BF50 can be used with a wide range of boat types due to its lightweight compact design , and noise levels have been reduced by 1.0dB over Honda's previous model.

It's NMEA2000 compatible, meaning the BF50 can communicate with onboard electronics to deliver a wide range of info to your head-unit displays.

And with its Programmed Electronic Fuel Injection, the BF50 delivers the precise amount of fuel/air to each cylinder. The result is easy starts and instant throttle response with superior fuel efficiency.

ECOMO

Along with Honda's Programmed Fuel Injection, the BF50 incorporates Lean Burn Control technology, which allows combustion to operate on a leaner air/fuel ratio than stoichiometric air/fuel. An O2 sensor, together with the ECM, precisely controls the air/fuel mixture for the best fuel economy at cruise setting. The mode in which lean burn control is used during cruising to achieve higher fuel economy is referred to as ECOMo (Economy Controlled Motor).

3 POSITION TILLER HANDLE

Adjusts to your comfort for easiest hull maneuverability.

ENGINE ALERT SYSTEM

Uses visual, audio and rpm reduction circuits to alert the operator of overheating, low oil PSI and over-revving, preventing engine damage.

CORROSION PROTECTION SYSTEM

A patented 'Double Sealed' multi-layered paint process. Sacrificial anodes and stainless steel technology, along with water resistant connectors, all enhance corrosion protection.

MIKUNI INTAKE SYSTEM

Honda's 50hp engine features the lightweight Mikuni long tube intake track system, which helps build low-end torque.

800 RPM TROLLING

Another great advantage for anglers, Honda engineers reduced the trolling speed of the BF50 from 950rpm to 800rpm.

SPECS

ENGINE

TYPE	4-stroke SOHC 3-cylinders / 6-valves
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DISPLACEMENT	808cc
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BORE & STROKE	70 x 70 mm
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FULL THROTTLE RPM RANGE	5,500-6,000 RPM
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RATED POWER	50HP @ 5,750 RPM
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COOLING SYSTEM	Water cooled
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INDUCTION	Programmed Fuel Injection (PGM-FI)
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IGNITION SYSTEM	Transistorised battery ignition
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STARTING SYSTEM	Electric
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EXHAUST	Through prop
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ALTERNATOR	17-Amp
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POWER TRIM & TILT	Available
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GAS-ASSISTED TILT	Available
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TRIM RANGE	-4 to +16
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TILT RANGE	63
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SAFETY FEATURES

EMERGENCY STOP SWITCH	Standard
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OIL PRESSURE ALERT	Standard
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TEMPERATURE ALERT	Standard
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REV-LIMITER	Standard
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SPEEDOMETER PICKUP	Standard
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DRIVE

GEAR RATIO	2.08:1
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GEAR SHIFT	F-N-R
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PROPELLER	3-Blade Aluminium
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DIAMETER X PITCH (S-TYPE)	n/a
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DIAMETER X PITCH (L-TYPE)	11-1/4 x 13 Inches
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DIAMETER X PITCH (X-TYPE)	11-3/4 x 10 Inches
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DIMENSIONS

OVERALL LENGTH WITH TILLER HANDLE	794mm
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OVERALL LENGTH WITH R/C	694mm
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OVERALL WIDTH	372mm
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OVERALL HEIGHT (S-TYPE)	n/a
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OVERALL HEIGHT (L-TYPE)	1,364mm
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OVERALL HEIGHT (X-TYPE)	1,465mm
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TRANSOM HEIGHT (S-TYPE)	n/a
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TRANSOM HEIGHT (L-TYPE)	521mm
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TRANSOM HEIGHT (X-TYPE)	662mm
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DRY WEIGHTS (L-TYPE)	98kg
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DRY WEIGHTS (X-TYPE)	102kg
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