

The Art Of Performance



HONDA
MARINE

2013 CATALOG



Solid reliability that'll move you over a liquid world.



Honda CBR600RR

Honda BF250s

Honda Advanced Robotics, Asimo

Honda Accord EX-L V-6 Coupe

Honda Jet

The Honda name is legendary. With engines forged and tested on racetracks and roadways around the globe, Honda is the world's largest engine manufacturer. But the world is two-thirds water. So it only makes sense to trust that same leadership and attention to detail when terra firma dissolves into waves of escape.

Honda offers more four-stroke marine experience than anyone, with engines inspired by our automotive technology and conceived for water from the ground up. For over 45 years we've been tireless in applying advanced thinking to our marine engines and challenging the rest of the industry to keep up.

We were the first to offer a full line of dependable four-strokes. The only to offer a non-declining 5-year warranty. The first four-stroke to meet and exceed both EPA and CARB emission standards. The first to introduce the 225 HP four-stroke.

So, it's little wonder that we just received the National Marine Manufacturers Association CSI Award for Excellence in Customer Satisfaction for the ninth year in a row.

As you know, Honda four-stroke engines run quieter, offer greater fuel economy and burn cleaner. So, when you're buying a new boat or repowering your current one, remember Honda was there from the beginning. Consider the experience that'll take you over the water with whisper stealth, solid reliability, the best standard non-declining warranty and engine exclusives that no one else offers.

Legendary innovation, reliability and power — that's today's Honda.



Honda BF250 All boaters shown are wearing personal flotation devices.

Honda. A history of leadership.



- 1964** First Honda four-stroke outboard introduced.
- 1967** First Honda outboard introduced in the U.S.
- 1985** Honda has the first full line of four-stroke outboards.
- 1990** Our BF45 wins the IMTEC Innovation Award.
- 1994** Our BF90 prototype wins the IMTEC Innovation Award.
- 1995** The BF90 wins Popular Mechanics "Design and Engineering Award."
- 1998** Honda Marine is the only marine engine manufacturer offering over 15 models of four-strokes from which to choose.
- 2001** The world's first 225 HP four-stroke is introduced. VTEC® Technology is also introduced in a marine engine.
- 2002** Hundreds of BF225s are put into service for the U.S. Coast Guard's Homeland Security Initiative.
- 2004** Our BF150 and BF135 are introduced. We also received the NMMA's CSI Award.
- 2005** We won our second consecutive NMMA CSI award and ranked highest in customer satisfaction with four-stroke outboards in a tie by J.D. Power and Associates.
- 2006** The all new BF90 and BF75 are introduced with Multi-Port Electronic Fuel Injection and are the lightest four-strokes in their class. We won our third consecutive NMMA CSI award and received a customer satisfaction award for four stroke outboards from J.D. Power and Associates.
- 2007** Honda ranks highest in customer satisfaction for four-stroke outboards according to J.D. Power and Associates.
- 2008** Introduced the redesigned best-in-class BF40 and BF50 and won our fifth consecutive NMMA CSI award.
- 2009** Introduced the best-in-class BF60 and won our sixth consecutive NMMA CSI award and a top customer satisfaction award from J.D. Power and Associates.
- 2010** Introduced the best-in-class BF115 and won our seventh consecutive NMMA CSI award.
- 2011** Introduced the best-in-class BF250 with an industry first dual intake circuits and AMP+, an idle charging system. The BF250 won the 2011 IBEX Innovation Award. We won our eighth consecutive NMMA CSI award.
- 2012** We won our ninth consecutive NMMA CSI award. Honda Marine continues to support the U.S. Coast Guard's Homeland Security Initiative.



Sometimes the best things about a legend are the facts.



Honda's True 5 Warranty

It's the best **warranty** in the business. It is not a 3rd party "extended service" contract. There is a legally defined difference. This transferable five year **factory-direct, non-declining** warranty is the same on the last day as it is on the first. When you buy any new Honda 2 to 250 HP outboard you get a true warranty straight from Honda. With service available at over one thousand Honda Marine Dealers nationwide, you can't go wrong. After all, isn't this what you expect from Honda?



NMMA CSI Award

The National Marine Manufacturer's Association awarded Honda Marine dealers its coveted CSI Award for Excellence in Customer Satisfaction for the ninth straight year. This is a rating of 90% or higher in customer satisfaction based on information provided by more than 50,000 consumers who have purchased a new boat or engine.



2011 IBEX Innovation Award

The National Marine Manufacturers Association, along with a judging panel from Boating Writers International, named the all-new Honda Marine BF250 engine as recipient of a 2011 IBEX Innovation Award for outboard engine technology. The award recognizes advancements in OEM and aftermarket equipment based on specific criteria: innovative distinction from other products currently being manufactured; benefit to the marine industry and/or consumer; practicality; and cost effectiveness.



Environmentally Responsible

Today, everybody's making four-strokes or some variation of a cleaner burning engine. But for nearly 50 years, four-strokes are all Honda has made, and we're the only major marine engine manufacturer who can say so. We've always known that four-strokes reduce noise, smoke less and use less fuel. All of our engines exceed the highest CARB 3-Star rating to meet the rigorous California Air Resource Board's standards for 2013.

Experience begets innovation. Not to mention peace of mind.

Just from a glance at their sleek aerodynamic lines, you can see that Honda outboards don't look like anything else out there. As attractive as they are, however, it's what's on the inside that counts.

As you review these features, look for the word "Exclusive." It means that you won't find that particular feature anywhere else.

Instant Acceleration.

BLAST™
BOOSTED LOW SPEED TORQUE

EXCLUSIVE

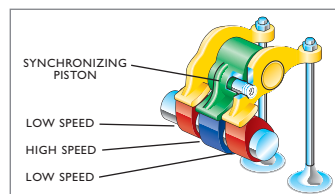
A quick movement of the throttle control activates the BLAST™ system, advancing the ignition curve aggressively. "Hole Shot" is vastly improved as more horsepower gets the hull up on plane quicker. **BF250, BF225, BF200, BF150, BF135, BF115, BF90, BF75, BF60, BF50, BF40.**

Power And Fuel Economy — The Best of Both Worlds.

VTEC® Technology
Honda's Variable Valve Timing & Lift Electronic Control (VTEC®) system gives you a broader, flatter torque curve and smooth power delivery

EXCLUSIVE

throughout the engine's operating range. VTEC® is the "replacement for displacement," providing outstanding performance without the inferior low rpm fuel economy of larger displacement competitors. VTEC® provides power where and when you need it. It's all because VTEC® varies the lift and duration of the intake valves to deliver optimal performance at both low and high rpm, resulting in peak performance at all speeds. Check out the following illustration to better understand the smart thinking behind VTEC® technology:



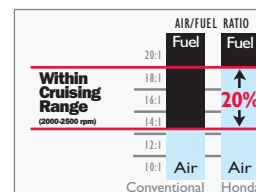
VTEC® uses two cam lobe profiles to operate the intake valves. The low-lift, short duration cam lobes (*shown in red*) provide strong torque at low rpm. High rpm horsepower is achieved by engaging the third rocker arm on a high-lift cam (*blue*), resulting in a superior combination of power, torque and fuel economy. **BF250, BF225, BF150, BF90.**

Cruising Economy That's Easy On Your Wallet.

Lean Burn Control™

EXCLUSIVE

This feature increases fuel efficiency by allowing combustion to operate on a leaner air-to-fuel



LEANburnCONTROL™
OPTIMAL FUEL EFFICIENCY

mixture. At cruising speed, Honda engines run on up to 20% less fuel than other comparably sized outboards.

BF250, BF225, BF200, BF150, BF115, BF135, BF90, BF75, BF60, BF50, BF40.

See Engine Data On Your GPS Or Fishfinder Screen.

NMEA 2000®

NMEA 2000 is the marine industry's open-architecture electronic protocol that allows on-board data sources to interface with helm displays. Honda outboards do not require the added expense of gateway devices, required by most competitive proprietary systems, to connect to a NMEA 2000 on-board network. Lower cost and connectivity



to a wide variety of brand name marine electronics is the advantage of NMEA 2000.

BF250, BF225, BF200, BF150, BF135, BF115, BF60, BF50, BF40.

Save Your Battery.

AMP+

EXCLUSIVE

At idle, when electrical loads demand additional amperage, the electronic control module automatically increases the engine RPM's by 100 to produce an additional 9 amps. AMP+ helps prevent battery drain caused by simultaneously running multiple accessories; a concern when you're fishing miles off shore. **BF250**



Cooler Air, More Horsepower.

Dual Air Intake Circuits

EXCLUSIVE

The first circuit is used to cool critical engine components. A top-mounted cooling fan draws cooling air over the alternator. A cool alternator produces more amps.



Honda Technology and Innovation



Honda Technology continues on the following pages.

The second circuit routes cool air into the throttle body. Cool air produces more horsepower. **BF250**

Power And Economy Through Superior Combustion.

Dual Stage Induction **EXCLUSIVE**

Honda's unique variable intake system maximizes combustion efficiency for increased torque and superb fuel economy. While most four-strokes use long manifolds to deliver air into the

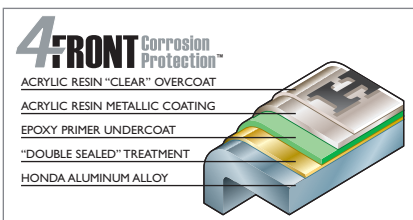


cylinder head, Honda's Dual Stage Induction uses a plenum chamber with twin butterfly valves to vary the volume and velocity of air flow. It all adds up to a simple, compact design that enhances both low speed drivability and high-speed performance. **BF250, BF225, BF200, BF150, BF135.**

Defy The Elements.

4-Front Corrosion Protection™ **EXCLUSIVE**

Your Honda can continue to look and perform like new with our protection system that includes a patented double-sealed, multi-layered paint process, sacrificial anodes, stainless steel components and waterproof connectors. **All engines. Painted Cooling Passages BF250, BF225, BF200, BF150, BF135, BF115, BF90, BF75, BF60, BF50, BF40.**



Protection For Long Life.

Sealed Starter **EXCLUSIVE**

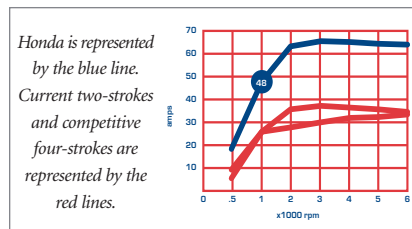
The starter motor is inverted in a sealed chamber that protects the starter bendix drive from the elements. The result is solid dependability.

All engines BF75 and larger.

Real Power.

High Output Alternator **EXCLUSIVE**

Most manufacturers only advertise their "total" alternator (amp) output.



Honda advertises "total" amp output and "charging amps." Charging amps is total amps minus the amps consumed by the ignition system. For example, the BF225 outputs 90 total amps. 30 amps are consumed by the ignition leaving 60 charging amps available to power accessories. Honda also measures amps at normal operating temperatures. **BF250, BF225, BF200, BF150, BF135, BF115, BF90, BF75, BF60, BF50, BF40.**

Less Vibration. Smoother Ride.

Non-Linear Mounting System **EXCLUSIVE**

Patented non-linear rubber mounts provide smoother operation at all speeds. **BF90, BF75, BF60, BF50, BF40, BF30, BF25.**

Optimum Efficiency.

O₂/LAF and Knock Sensors **EXCLUSIVE**

Our linear air fuel and knock sensors help determine the correct fuel flow and ignition curve, enhancing overall

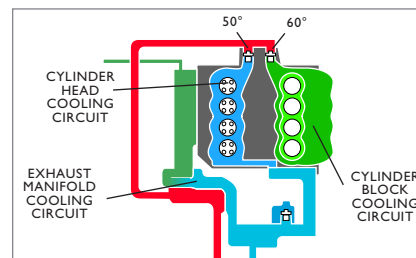
engine operation and efficiency.

BF250, BF225, BF200, BF150, BF135, BF115, BF90, BF75, BF60, BF50, BF40.

More Cooling. Longer Life.

3-Way Cooling System **EXCLUSIVE**

Three separate cooling systems keep the cylinder heads running cooler for long-term durability. **BF150, BF135, BF115, BF90, BF75.**



Easier Control.

Center Mount Tiller Handle **EXCLUSIVE**

Available on our smaller HP engines, Honda's ergonomically designed handles minimize driver fatigue and improve handling. Adjustments for



throttle and steering friction allow for easier control, convenient up-front shifting, fingertip-starting, PTT switch and engine alert lamps provide added safety and convenience. Variable Trolling Control is available on the BFP60 and BFP60. **BF90, BF75, BF60, BFP60, BF50, BF40, BF30, BF25.**

Superior Maneuvering For Pontoons.

Easy Dock™ Steering EXCLUSIVE

Easy Dock™ Steering helps take the anxiety out of maneuvering your pontoon into the marina. Available on the Power Thrust BFP60, Easy Dock™



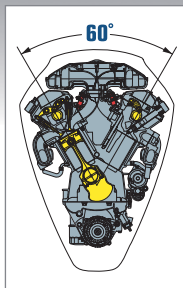
Steering has a full 50° of rudder angle to port and again to starboard. **BFP60.**

Powerful Yet Compact.

Narrow 60° Design

Thought by many to be impossible, the BF250, BF225 and BF200 feature a narrow, balanced 60° design. Lacking the bulk and weight of long

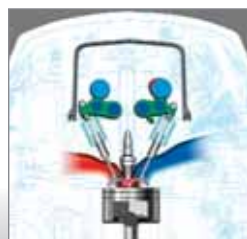
intake runners and multi-camshafts, the compact 24-valve SOHC design offers top performance and durability, and makes possible twin re-power mounts on traditional 26" centers. **BF250, BF225, BF200.**



Serious Power That's Still Efficient.

Dual Overhead Cam (DOHC)

A powerful, compact 16-valve DOHC design creates more valve lift to pull in more air for increased horsepower. Low-maintenance design allows easy adjustment of the rocker arms. No multiple shims or trial-and-error adjusting needed. **BF150, BF135, BF115.**



Short Take-Offs, Long Flights.

Multi-Port Programmed Fuel Ignition

Honda Multi-Port Programmed Fuel Injection (PGM-FI) delivers the precise amount of air/fuel to each cylinder under all operating speeds and conditions. The result is quick starts, instant throttle response, powerful performance and low fuel consumption. **BF250, BF225, BF200, BF150, BF135, BF115, BF90, BF75, BF60, BF50, BF40.**

Protects Your Engine.

Engine Alert System

This feature monitors vital engine functions and prevents damage by alerting the driver of overheating, low oil pressure and over-rev.

All engines except the BF2.3.

You're In Control.

Variable Trolling Control

This option allows you to adjust trolling speeds in 50 rpm increments simply by pressing a toggle switch.

BF150, BF135, BF115, BF60, BF60 Tiller.



Quick Starts.

Autostart Enrichment

Just like a fuel injection system, autostart enrichment automatically adjusts the air-fuel mixture for quick, easy starting and warm-up.

BF30, BF25, BF20, BF15, BF9.9, BF8.

More Thrust For Bigger Hulls.

Power Thrust Design

A special Power Thrust 4-blade prop on the BFP8-BFP20 and a higher gear ratio on the BFP60 help provide these engines with extraordinary forward and reverse thrust for improved maneuverability and performance.

BFP60, BFP20, BFP15, BFP9.9, BFP8.

Increased Maneuverability.

Reverse Exhaust Relief

The Reverse Exhaust Relief system redirects exhaust gasses when in reverse. This provides more propeller "grip" for tremendous dockside maneuvering. **All BF8 – BF20.**



Powerful, dependable & efficient; that's the new BF250.



Sea Chaser Bay Runner 250LX/Honda BF250

With a unique blend of automotive and marine engine technologies, the new award-winning BF250 is a showcase of Honda's engineering and technical excellence, making it truly worthy of flagship model status.

The new **3.6 liter V-6** BF250 incorporates Honda Marine's technologies of BLAST™, for maximum hole shot performance, VTEC® for explosive mid-range torque, Lean Burn Control™, for tremendous fuel economy, and NMEA 2000® certification for an open-architecture interface

to a wide variety of brand name marine electronics.

New technologies introduced on the BF250 include the unique air induction system, AMP+, a variable idle charging system, and a new gear case. Combine all this with Honda Marine's **True 5 Non-Declining Warranty** and award winning dealer network, and you've got the right power plant for your boat.

True to Honda Marine's tradition, the new BF250 has the **BLAST™ (Boosted Low Speed Torque)** system. BLAST™ is Honda's patented

air-fuel linked ignition control.

A quick movement of the throttle control activates the BLAST™ system, enriching the air-fuel ratio and aggressively advancing the ignition curve. The result is vastly improved hole shot as more horsepower gets the boat up on plane faster.

VTEC® VTEC® Technology

(Variable Valve Timing & Lift Electronic Control, or VTEC®) uses 3 intake cam lobes. For low speed



operation, the cam lobes, shown in red, open and close the intake valves. Under 4500 RPM, these cam lobes provide good low end torque and strong acceleration.

When the engine exceeds 4500 RPM, VTEC® transitions to the high cam lobe, shown here in blue, to lift and hold the intake valves open for a longer period of time. This packs the high velocity air-fuel mixture into the combustion chamber to produce more power. Power when and where



Everglades 295cc/Honda BF250s

Features Include: BLAST™ • VTEC® TECHNOLOGY • LEAN BURN CONTROL™ • NMEA 2000® • AMP+ • DUAL AIR CIRCUITS • DUAL STAGE INDUCTION • PGM-FI (PROGRAMMED FUEL INJECTION) COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NARROW 60° DESIGN • 86 OCTANE

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.

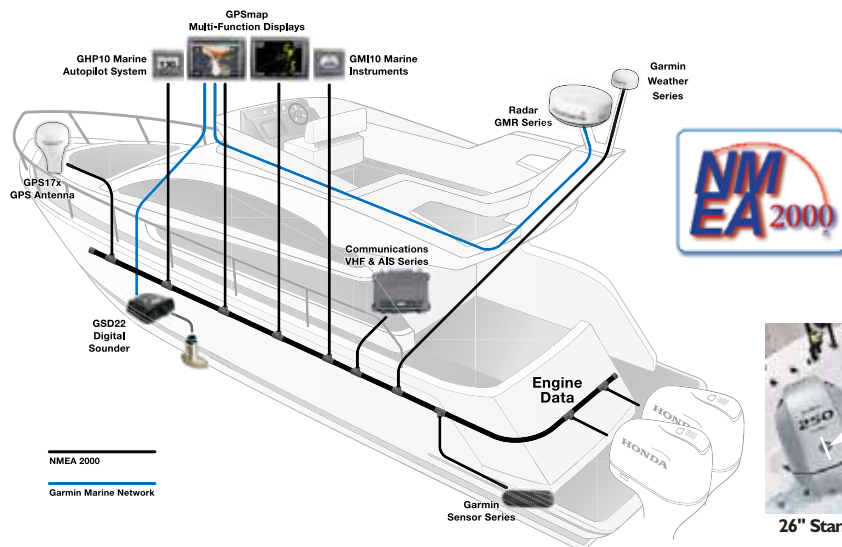


Everglades 295cc/Honda BF250s

An outing with a reliable Honda is always a round-trip ticket.

you want it, that's VTEC®, the modern replacement for displacement.

Lean Burn Control™ uses oxygen sensors in the exhaust and communicates that data to the electronic control module (ECM). The ECM adjusts the air-fuel mix at cruising speeds for optimal fuel economy; up to 20% better than competitive outboards. With current gas prices, especially at the gas dock, Lean Burn Control exemplifies Honda's commitment to low cost of ownership.



The new BF250 is **NMEA 2000** certified. The National Marine Electronics Association developed this open-architecture electronic protocol to allow on-board data sources to interface with helm displays, such as SONAR and GPS. This means the BF250 operates without the added expense of additional proprietary gateway devices required by most other outboard manufacturers. Lower cost and connectivity to a wide variety of open architecture name brand marine electronics is the advantage of NMEA 2000 certification.

When the new BF250's electrical loads demand more amperage at idle, the ECM automatically increases engine idle by 100 RPM to produce 9 more amps. **AMP+** works best when multiple accessories are operating simultaneously, thus helping prevent battery power drain; a concern when you're fishing miles off shore.

An industry first, the new BF250 has **dual air intake circuits**. The first circuit cools under the hood with a cooling fan that draws air over the alternator. A cool alternator produces more amps. The second circuit routes cool air from the upper

intake vents, removes moisture, and then inducts it into the throttle body, thus producing more horsepower.

In today's economy, it might be more feasible to re-power your current twin-powered boat with a new pair of Honda BF250s. The BF250's **narrow 60° configuration** allows the mounting of twins on industry-standard, twenty six inch centers. Modifying your boat's transom is not necessary; saving hundreds of dollars

Finally, the BF250 features an all new **high-performance gear case** designed to withstand the extreme duty cycles of law enforcement and military patrol boats. This, combined with a new gear reduction ratio (2.00:1) and a large range of propellers (up to 16-inch diameter), provides high levels of all-around performance.

Powerful, dependable, efficient; that's the new BF250.



Features Include: BLAST™ • VTEC® TECHNOLOGY • LEAN BURN CONTROL™ • NMEA 2000® • AMP+ • DUAL AIR CIRCUITS • DUAL STAGE INDUCTION • PGM-FI (PROGRAMMED FUEL INJECTION) COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NARROW 60° DESIGN • 86 OCTANE

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Hurricane SunDeck Sport 231/Honda BF250

When power and reliability merge, you've got a pair of silver bullets.



Pro-Line 26 XP/Honda BF225s

Whether you pilot a center console or cuddy cabin, two of the best choices for safe returns from the sea are the Honda BF225 and BF200. Both feature a **Large Displacement 3.5 Liter V6**.

It's an authoritative yet compact 24-valve SOHC design without the bulk and weight of long intake runners and multi-camshafts. The result is superior performance, great fuel economy and durability inspired

by Honda's world-renowned automotive engineering excellence.

Then there's our patented **4-FRONT Corrosion Protection™**. It includes a "Double Sealed" multi-layered paint process and painted interior cooling passages that guard against the elements. Both engines also have **Fresh Water Flushports** for flushing debris and saltwater out of the engine to extend life and maximize performance.

Even when it comes to dual mounting, the BF255 and BF200 were designed with your needs in mind. Either can be mounted on a standard 26" center-to-center distance. Meaning, they'll fit any dual design boat without expensive transom modifications. Get the complete technological story on pages 4 through 7. From bay boats, to walk arounds, to catamarans, you can depend on these silver bullets. You can't beat their value, either. They're the best engineered, best backed outboards on the market today.



Sea Chaser 245 Bay Runner/Honda BF200

Features Include: BLAST™ • VTEC® TECHNOLOGY ON BF225 • LEAN BURN CONTROL™ • NMEA 2000® • DUAL STAGE INDUCTION • PGM-FI (PROGRAMMED FUEL INJECTION) COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NARROW 60° DESIGN • 86 OCTANE

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



SAFE Boats International RB-S/Honda BF225s

A great day on the lake begins with Honda.

Bass fishermen, multi-purpose and deck boat owners will appreciate the powerful possibilities you get with the award winning Honda BF225 and BF200. They're the perfect blend of technology and reliability for the fresh water enthusiast.

Besides the sleek, slim looks that complement the aesthetics of any boat from bowriders to runabouts, the BF225 offers Honda's exclusive **VTEC® Technology**. Our Variable

Valve Timing & Lift Electronic Control (VTEC®) gives you a broader, flatter torque curve and smoother acceleration and power throughout the engine's operating range. Meaning you get peak performance and maximum fuel efficiency whether you're at low or high rpm.

Another Honda exclusive you'll find on both models is our **90 amp "On Demand" belt-driven alternator**. It delivers 48 amps at



Manitou 24 Legacy/Honda BF225



Hurricane FunDeck GS 231/Honda BF225



1,000 rpm and 60 charging amps above 2,000 rpm. It's a powerhouse providing the highest capacity available for your accessory power needs.

And only on a Honda will you find **Boosted Low Speed Torque** (BLAST™) for strong acceleration when making hole shots.

Of course, with all Honda outboards, you also get our **legendary quiet**, an important plus on residential lakes for skiing, fishing or pontoon boats. Get all the engine features on pages 4 through 7. For years of dependable, fuel-efficient satisfaction, nothing beats a Honda.

Features Include: BLAST™ • VTEC® TECHNOLOGY ON BF225 • LEAN BURN CONTROL™ • NMEA 2000® • DUAL STAGE INDUCTION • PGM-FI (PROGRAMMED FUEL INJECTION) COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NARROW 60° DESIGN • 86 OCTANE

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Alumacraft Trophy 195/BF200

Endless adventures and performance-designed peace of mind.



Maritime Challenger 23/Honda BF150

When you're chasing horizons, three choices that deliver optimum performance and peace of mind are the Honda BF150, BF135 and BF115. They're the choice of center console, catamaran, pontoon and bay boat owners alike.

All three feature **Dual Overhead Cam (DOHC)**, a mighty yet compact 16-valve design that creates more valve lift to pull in more air for increased horsepower. Low maintenance design also allows easy adjustment of the rocker arms. No multiple shims or trial-and-error adjusting needed.

Fishermen and skiers alike appreciate Honda's exclusive **Dual Stage Induction** (BF150 and BF135), a variable air intake manifold that delivers top performance at every rpm range.

Another Honda exclusive on the BF150 is our **VTEC® Technology** that provides a superior blend of power, torque and fuel efficiency. All three engines offer yet another exclusive, our **Lean Burn Feedback Control.™** It automatically adjusts the air-fuel mix according to speed and load. This maximizes power throughout the rpm range and provides

up to 20% greater fuel economy in the cruise mode from 2000 to 4500 rpm.

Remember, all Honda outboards are super quiet and meet the EPA standard with most models exceeding the standards. Plus, all of our current models have the highest CARB 3-Star rating to meet the rigorous emissions standards of the California Air Resources Board.



Honda BF150s

Features Include: BLAST™ • VTEC® TECHNOLOGY ON BF150 • LEAN BURN CONTROL™ • NMEA 2000® • DUAL STAGE INDUCTION (BF135 & BF150 ONLY) PGM-FI (PROGRAMMED FUEL INJECTION) • COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 3-WAY COOLING • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT VARIABLE TROLLING CONTROL (OPT) • ENGINE ALERT SYSTEM • COUNTERBALANCING SHAFTS

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.

BF150/BF135/BF115



Pioneer 197 Sportfish/Honda BF150s

For Great Lakes or small fishing holes, only one name will do.



Alumacraft Tournament Sport 175/Honda BF135

Everybody has their favorite stretch of fresh water. Some go miles off shore looking for Walleye, others enjoy smaller lakes with friends and family on a pontoon boat or bowrider. Whatever your taste, three reliable workhorses you can always count on are the Honda BF150, BF135 and BF115.

All three have a long list of impressive benefits and features, but the captain will especially appreciate our **Engine Alert System**.

It constantly monitors vital engine

functions and reduces the likelihood of damage by alerting the driver of overheating, low oil pressure, over-rev, water in fuel, battery condition and other critical engine functions.

All three engines also feature Honda's exclusive **Engine Command Module**. It receives constant input from 18 different sensors to deliver instant starts, smooth operation, muscular performance and excellent fuel efficiency.

Another feature all three engines have that's perfect for ski, bass and multi-purpose boats is our **Multi-Port Programmed Fuel Injection (PGM-FI)**. It delivers the precise amount of fuel/air to each cylinder which helps ensure, among other things, instant throttle response.

You'll find all technological specs on pages 4 through 7. One thing's for sure: when it comes to boating, nothing beats the fuel efficiency and precision standards of Honda.



Premier 230 RE Grand Majestic/Honda BF135

Features Include: BLAST™ • VTEC® TECHNOLOGY ON BF150 • LEAN BURN CONTROL™ • NMEA 2000® • DUAL STAGE INDUCTION (BF135 & BF150 ONLY) PGM-FI (PROGRAMMED FUEL INJECTION) • COUNTER ROTATION • HIGH OUTPUT ALTERNATOR • 3-WAY COOLING • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT VARIABLE TROLLING CONTROL (OPT) • ENGINE ALERT SYSTEM • COUNTERBALANCING SHAFTS

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.

BF150/BF135/BF115



Columbia 2018 Fisherman XL/Honda BF150

Quality time ahead with advanced technology behind you.



SeaWay 21 Sportsman/Honda BF90

More quality time on the water. It's what every boat owner wants. The **BF90 and BF75** are one of the **lightest 4-strokes in their class** and offer a host of technological advancements and Honda exclusives that make our silver truly valuable.

On the BF90, you'll find Honda's exclusive **VTEC® Technology**. Variable Valve Timing & Lift Electronic Control results in a broader, flatter torque curve and smooth power delivery throughout the entire rpm range.

The BF90 and BF75 are the first mid-range Honda engines to offer PGM-FI. Our **Multi-Port Electronic Fuel Injection System** accurately controls ignition timing during start-up, providing optimum overall operation. The ultimate benefit is smoother and quieter operation on the water, instant throttle response and fuel efficient performance.

Both engines also feature Honda exclusives like **Boosted Low Speed Torque (BLAST™)** for strong

acceleration, **Lean Burn Control™** for superior fuel efficiency and a **3-Way Cooling System** for long-lasting, durable performance.

Add it all together and you have a pair of engines that are economical, efficient and durable — which equals maximum quality time for you.

And don't forget, your Honda Marine dealer is a well-versed professional ready to help with answers and service to keep your boat where it belongs: on the water.



JC Pontoon NepToon 21/Honda BF90

**Features Include: BLAST™ • VTEC® TECHNOLOGY ON BF90 • LEAN BURN CONTROL™ • DUAL STAGE INDUCTION • PGM-FI (PROGRAMMED FUEL INJECTION) • HIGH OUTPUT ALTERNATOR
3-WAY COOLING • 4-FRONT CORROSION PROTECTION™ • FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NON-LINEAR MOUNTING SYSTEM • TILLER MODELS AVAILABLE**

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.

BF90 & BF75

BLAST™ BOOSTED LOW SPEED TORQUE

BLAST™ stands for Boosted Low Speed Torque, meaning quick performance and acceleration when making hole shots.

VTEC®

Standard on the BF90, this Honda exclusive provides a superior blend of power, torque and fuel efficiency at any speed.

LEANburnCONTROL™ OPTIMAL FUEL EFFICIENCY

It uses an oxygen sensor to automatically adjust the air/fuel mix according to speed and load. It can provide up to 20% greater fuel economy in the cruise mode from 2000 to 4500 rpm.

3-Way Cooling System

The first individually controlled cooling system for outboards. This reduces engine heat and greatly reduces engine wear.

Multi-Port EFI

Provides precise amounts of air and fuel to each cylinder, meaning quick starts, instant throttle response and low fuel consumption.



Action Craft 1720/Honda BF90

The top mid-range from the leader in four-stroke innovation.



Starcraft Starfire 1600/Honda BF60

Meet the sleek addition to our legendary line-up: **the Honda BF60**. It gives you the best maneuverability and highest speed in its class, the best fuel economy and is one of the lightest and most compact mid-ranges available. From fishing boats to pontoons, inflatables to skiffs, the BF60 has been engineered to be powerful, fuel-efficient, easy to operate, and is packed with exclusive features.

The **BFP60 Power Thrust** model with a unique gear case and larger propeller is ideal for pontoons and larger-hulled boats. This model also introduces **Easy Dock™ Steering†**, which has a full 50° of rudder angle to port and again to starboard. Add the optional **Rudder Angle Indicator†** and **Trim Limit Switch** for unmatched maneuvering and convenience.

With **BLAST™ Technology** a quick movement of the throttle advances the ignition curve aggressively. Combined with **Programmed Electronic Fuel Injection (PGM-FI)** and our redesigned **high performance heavy-duty gear case**, which reduces drag, spray and hull porpoising, the result is superior hole shot acceleration that gets the hull up on plane quickly and smoothly.

Optimal fuel efficiency is achieved with **Lean Burn Control™** giving a leaner air-to-fuel mixture. At cruising speed, the BF60 can run on up to 10% less fuel than comparable outboards, making it the **Best-In-Class** for fuel economy. Also Best-In-Class is the **High Output Charging** that delivers more power for all your electronics.

The new **BF60 Tiller** model is ergonomically designed, has an **Integrated 4-Lamp Alert System** and features our **Variable Trolling Control**, which allows for 50 rpm



adjustments, up or down, at the touch of a button. This feature is also optional on remote models.

†BFP60 and BF60 tiller models only.

Features Include: BLAST™ • LEAN BURN CONTROL™ • NMEA 2000® • EASY DOCK™ STEERING • PGM-FI (PROGRAMMED FUEL INJECTION) • HIGH OUTPUT ALTERNATOR POWER THRUST DESIGN (BFP60) • 4-FRONT CORROSION PROTECTION SYSTEM™ • VARIABLE TROLLING CONTROL (OPT)† • RUDDER ANGLE INDICATOR & TRIM LIMIT SWITCH (OPT) FRESHWATER FLUSH PORT • ENGINE ALERT SYSTEM • NON-LINEAR MOUNTING SYSTEM • TILLER MODEL AVAILABLE

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.

BF60 & BFP60

BLAST™ BOOSTED LOW SPEED TORQUE

BLAST™ stands for Boosted Low Speed Torque, meaning quick performance and acceleration when making hole shots.

LEANburnCONTROL™ OPTIMAL FUEL EFFICIENCY

It uses an oxygen sensor to automatically adjust the air/fuel mix according to speed and load. It can provide up to 10% greater fuel economy in the cruise mode from 2000 to 4500 rpm.

Easy Dock™ STEERING

Easy Dock™ Steering takes the anxiety out of maneuvering your pontoon into the marina. Available on the Power Thrust BFP60, Easy Dock Steering has a full 50° of rudder angle.

Power Thrust BFP60

Power Thrust is a model that comes with a different gear case and larger propeller. Designed specifically for larger boats like pontoons, Power Thrust gives you plenty of pushing power for heavier displacement hulls.

Variable Trolling Control

Allows you to reduce your trolling speed in 50 rpm increments simply by touching a button—from 1000 all the way down to 750 rpm.



Sylvan Mirage/Honda BF60

Our BF40 EFI and BF50 EFI will take you places, like the head of the class.



Alumacraft Classic 165/Honda BF40

The BF40 and BF50 are an outstanding combination of our legendary four-stroke engineering and our latest outboard innovations. **The result is the lightest, most compact engines in their class.** On average, they're up to 27 pounds lighter than all engines in their horsepower class, and because they're from Honda, they're loaded with extras.

Features like **BLAST™** (Boosted Low Speed Torque). It's activated by a quick

movement of the throttle for vastly improved hole shots. This Honda exclusive is also available on the BF60 through BF250.

Then there's **Programmed Electronic Fuel Injection (PGM-FI)** for easy starts, instant throttle response, slower trolling speeds and overall better fuel economy.

Stretching gas even further is our **Lean Burn Control™**, which increases

fuel economy by allowing a leaner air-to-fuel mixture. At cruising speeds, these engines burn up to 20% less fuel than comparatively sized outboards.

They're perfect for pontoon boats or inflatables; fishing boats from bass, pike, and walleye to flats and bay boats. Come to think of it, the redesigned BF40 and BF50 aren't just at the head of the class, they're in a class by themselves.



Caribe CL14/Honda BF50

**Features Include: BLAST™ • LEAN BURN CONTROL™ • NMEA 2000® • PGM-FI (PROGRAMMED FUEL INJECTION) • HIGH OUTPUT ALTERNATOR
4-FRONT CORROSION PROTECTION™ • ENGINE ALERT SYSTEM • NON-LINEAR MOUNTING SYSTEM • GAS ASSIST TILT AVAILABLE • TILLER MODELS AVAILABLE**

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Caimen East Cape/Honda BF50

Brawn doesn't have to be big. Just dependable.



Honda BF30

For mid and smaller horsepower needs, there's plenty of punch in the Honda BF30 and BF25. They're packed with dependable power, but it's power you'll feel and never hear. That's because all Hondas are whisper quiet. So quiet we don't have to put extra dampening insulation in the cowl like most manufacturers do.

Both engines come with a bevy of features. Like a **Center Mount Tiller** with up-front controls. Then there's

3 to 3 Induction System that provides smooth, quiet operation.

The BF25/BF30 are also some of **the lightest engines in their class** and come with a built-in pitot tube that eliminates the need to drill holes for engine installation. BF25/BF30 are a 3-cylinder design available with **Power Trim/Tilt** or **Gas Assist Tilt** for shallow running.

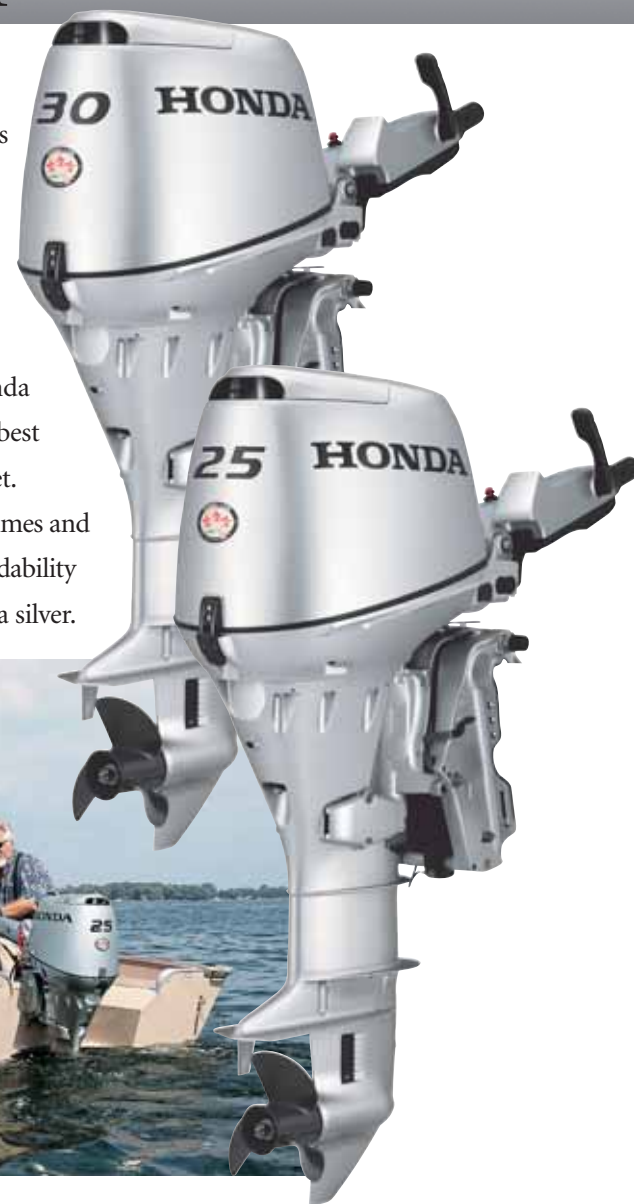
Both also feature **Autostart Enrichment**. Just like a fuel injection

system, it automatically adjusts the air/fuel mixture for easy starting and warm-up.

As you can see, a lot is built into these brawny but quiet, reliable engines. Plus, all Honda outboards are backed by the best standard warranty you can get. The end result is more good times and less worry and stress. If dependability has a color, it has to be Honda silver.



Polar Kraft 1578WT/Honda BF25



**Features Include: 3-CYLINDER DESIGN • AUTOSTART ENRICHMENT • LARGE DISPLACEMENT • NON-LINEAR MOUNTING SYSTEM • 4-FRONT CORROSION PROTECTION SYSTEM™
BUILT-IN PITOT TUBE • POWER TRIM AND TILT • GAS ASSIST TILT AVAILABLE • TILLER MODELS AVAILABLE**

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Apex Quest/Honda BF25

Portable, fuel efficient and powerful.

For smaller 12- to 16-foot boats, the Honda BF20 or BF15 are as convenient as you can get. At just 104 pounds, they're the first outboards to weigh less than most conventional 9.9 HP engines. Yet they're all Honda, meaning quiet, reliable, fuel efficient and loaded with features.

Both feature fully regulated charging systems. With the largest alternator in their class, you'll have plenty of power for all your electronics, even when trolling. Both also offer



Honda BF20



Apex Gill Getter/Honda BF20

Auto Start Enrichment to ensure easy starting and quick warm-up.

Meanwhile, all four engines are available with **Power Thrust Design**. The combination of a low gear ratio and the 10" x 6.5" power thrust 4-blade propeller creates **60% more thrust in reverse** and **15% more in forward**.

Power Thrust is standard on the BFP20, BFP15, BFP9.9 and BFP8.

The BF9.9 and BF8 also offer most of the features listed for the BF20 and BF15, as well as **Power Tilt, Up Front Tiller Controls, Easy One-Hand Starting** and an **Integrated Carrying Handle** for level carrying.



**Features Include: AUTOSTART ENRICHMENT • LARGE DISPLACEMENT • REVERSE EXHAUST RELIEF • REGULATED CHARGING SYSTEM • 4-FRONT CORROSION PROTECTION™
POWER THRUST MODELS (BFP MODELS) • POWER TILT AVAILABLE • SHALLOW WATER DRIVE • FORWARD MOUNT SHIFT LEVER • PROP, TANK & FUEL LINE INCLUDED**

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Caribe L-9/Honda BF9.9

They look good. But they run even better.

You know the old saying about how the best things come in small packages. Never was that more true than with the BF5 and new BF2.3. The BF2.3, for instance, is **one of the world's lightest four-stroke outboards** and it rivals many two-stroke 2 HP engines and electric motors, without the battery!

Both the BF5 and BF2.3 provide quiet rides and reliability for small tenders, canoes and jon boats and both are incredibly lightweight and compact.



Honda BF5

Pack 'em for anywhere and they're ready to take you everywhere.

The new BF2.3 features **15% more power** over its BF2 predecessor and a **12% larger internal gas tank**, which provides for approximately one hour of operation at wide open throttle.

The BF5 features a **Low Oil Pressure Warning System**, a **Forward-Neutral-Reverse Gearshift**, **Positive Lubrication** and **Overrev Protection** to ensure long-term durability. The BF2.3 features a Forced



Air Cooled Engine, meaning there's no water pump to worry about getting clogged when you're in the weeds or shallows. It also features **360-degree Swivel Steering** for improved maneuverability in tight areas. Another BF2.3 feature is its **Centrifugal Clutch**. It maintains a smooth idle, then, when the throttle is advanced, it automatically engages the prop above idle speed. It's like having a neutral position. Both the BF5 and BF2.3 come with **Twist Grip Throttles** for precise control and are backed by Honda's True 5 Warranty.



**Features Include: SHALLOW WATER DRIVE • FOLD-DOWN TILLER HANDLE • FUEL TANK & FUEL HOSE (BF5) • INTEGRAL FUEL TANK (BF2.3) • TWO SHAFT LENGTHS
EMERGENCY STOP SWITCH • FRONT MOUNT CARRYING HANDLE • LOCKABLE CLAMP HANDLES**

For a complete explanation of features, please refer to the technology section on pages 4-7. All boaters shown are wearing personal flotation devices.



Honda BF2.3

Honda Marine

LARGE MOTOR SERIES

	BF250	BF225	BF200	BF150	BF135	BF115
Type	4-Stroke SOHC 60° V6	4-Stroke SOHC 60° V6	4-Stroke SOHC 60° V6	4-Stroke DOHC 4 Cylinders/16 Valves	4-Stroke DOHC 4 Cylinders/16 Valves	4-Stroke SOHC 4 Cylinders/16 Valves
Displacement	3,583 cc (219 cubic inches)	3,471 cc (212 cubic inches)	3,471 cc (212 cubic inches)	2,354 cc (144 cubic inches)	2,354 cc (144 cubic inches)	2,354 cc (144 cubic inches)
Bore & Stroke	89 mm x 96 mm (3.5 x 3.8 inches)	89 mm x 93 mm (3.5 x 3.7 inches)	89 mm x 93 mm (3.5 x 3.7 inches)	87 mm x 99 mm (3.4 x 3.9 inches)	87 mm x 99 mm (3.4 x 3.9 inches)	87 mm x 99 mm (3.4 x 3.9 inches)
Full Throttle RPM Range	5,300-6,300 RPM	5,000-6,000 RPM	5,000-6,000 RPM	5,000-6,000 RPM	5,000-6,000 RPM	4,500-6,000 RPM
Rated Power	250 HP @ 5,800 RPM	225 HP @ 5,500 RPM	200 HP @ 5,500 RPM	150 HP @ 5,500 RPM	135 HP @ 5,500 RPM	115 HP @ 5,250 RPM
Cooling System	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Fuel Delivery	Programmed Fuel Injection	Programmed Fuel Injection	Programmed Fuel Injection	Programmed Fuel Injection	Programmed Fuel Injection	Programmed Fuel Injection
Ignition System	MicroComputer Programmed	MicroComputer Programmed	MicroComputer Programmed	MicroComputer Programmed	MicroComputer Programmed	MicroComputer Programmed
Starting System	Electric	Electric	Electric	Electric	Electric	Electric
Exhaust	Through Hub	Through Hub	Through Hub	Through Hub	Through Hub	Through Hub
Octane	86	86	86	86	86	86
Drive						
Gear Ratio	2.00:1	1.86:1	1.86:1	2.14:1	2.14:1	2.14:1
Gear Shift	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
Equipment						
Alternator w/voltage regulator	(Electric start) 90A (60A charging), AMP+ (Manual start)	90A (60A charging)	90A (60A charging)	55A (40A charging)	55A (40A charging)	55A (40A charging)
Propeller	Optional	Optional	Optional	Optional	Optional	Optional
Diameter x Pitch	Standard Power Thrust	- -	- -	- -	- -	- -
Power Tilt	NA	NA	NA	NA	NA	NA
Power Trim & Tilt	Standard	Standard	Standard	Standard	Standard	Standard
Gas-Assisted Tilt	NA	NA	NA	NA	NA	NA
Oil Pressure Alert	Standard	Standard	Standard	Standard	Standard	Standard
Temperature Alert	Standard	Standard	Standard	Standard	Standard	Standard
Rev-Limiter	Standard	Standard	Standard	Standard	Standard	Standard
Speedometer Pickup	Standard	Standard	Standard	Standard	Standard	Standard
Dimensions						
Overall Width	625 mm/24.6 inches	625 mm/24.6 inches	625 mm/24.6 inches	580 mm/22.8 inches	580 mm/22.8 inches	580 mm/22.8 inches
Recommended Transom Height	(S-type) (L-type) (X-type) ⁱ (XX-type) ^j	- 508 mm/20 inches 635 mm/25 inches 762 mm/30 inches	- 508 mm/20 inches 635 mm/25 inches 762 mm/30 inches	- 508 mm/20 inches 635 mm/25 inches -	- 508 mm/20 inches 635 mm/25 inches -	- 508 mm/20 inches 635 mm/25 inches -
Dry Weight	(S-type) (L-type) (X-type) (XX-type)	- 272 kg/600 lbs. 278 kg/613 lbs. 282 kg/622 lbs.	- 267 kg/589 lbs. 272 kg/599 lbs. 277 kg/610 lbs.	- 267 kg/588 lbs. 277 kg/610 lbs. -	- 217 kg/478 lbs. 220 kg/485 lbs. -	- 217 kg/478 lbs. 220 kg/485 lbs. -
CARB 2013 RATING	★★★	★★★	★★★	★★★	★★★	★★★

ⁱBF250, BF225, BF200, BF150, BF135 and BF115 counter rotation models available.
All Honda outboards are power rated with NMMA procedures. Specifications are subject to changes.

MID-RANGE SERIES

BF90	BF75	BF60	BFP60	BF50	BF40	BF30	BF25
4-Stroke SOHC 4 Cylinders/16 Valves	4-Stroke SOHC 4 Cylinders/16 Valves	4-Stroke SOHC 3 Cylinders/12 Valves	● ●	4-Stroke SOHC 3 Cylinders/6 Valves	4-Stroke SOHC 3 Cylinders/6 Valves	4-Stroke SOHC 3 Cylinders/6 Valves	4-Stroke SOHC 3 Cylinders/6 Valves
1,496 cc (91.4 cubic inches)	1,496 cc (91.4 cubic inches)	998 cc (61.0 cubic inches)		808 cc (49.3 cubic inches)	808 cc (49.4 cubic inches)	552 cc (33.7 cubic inches)	552 cc (33.7 cubic inches)
73 mm x 89.4 mm (3.0 x 3.5 in.)	73 mm x 89.4 mm (3.0 x 3.5 in.)	73 mm x 79.5 mm (2.9 x 3.1 in.)		70 mm x 70 mm (2.8 x 2.8 in.)	70 mm x 70 mm (2.8 x 2.8 in.)	61 mm x 63 mm (2.4 x 2.5 in.)	61 mm x 63 mm (2.4 x 2.5 in.)
5,300-6,300 RPM	5,000-6,000 RPM	5,000-6,000 RPM		5,500-6,000 RPM	5,000-6,000 RPM	5,000-6,000 RPM	5,000-6,000 RPM
90 HP @ 5,800 RPM	75 HP @ 5,500 RPM	60 HP @ 5,500 RPM	See BF60	50 HP @ 6,000 RPM	40 HP @ 5,500 RPM	30 HP @ 6,000 RPM	25 HP @ 5,500 RPM
Water Cooled	Water Cooled	Water Cooled	● ●	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Programmed Fuel Injection	Programmed Fuel Injection	Programmed Fuel Injection		Programmed Fuel Injection	Programmed Fuel Injection	3 Carburetors	3 Carburetors
MicroComputer Programmed	MicroComputer Programmed	MicroComputer Programmed		MicroComputer Programmed	MicroComputer Programmed	PGM-IG	PGM-IG
Electric	Electric	Electric		Electric	Electric	Electric/Recoil	Electric/Recoil
Through Hub	Through Hub	Through Hub		Through Hub	Through Hub	Through Hub	Through Hub
86	86	86		86	86	86	86
2.33:1	2.33:1	2.07:1	2.33:1	2.08:1	2.08:1	2.08:1	2.08:1
F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	F-N-R
44A (35A Charging)	44A (35A Charging)	22A (17A Charging)	27A (22A Charging)	22A (17A Charging)	22A (17A Charging)	10A	10A
-	-	-	-	-	-	-	-
Optional	Optional	Optional	Optional	Optional	Optional	3-Blade Aluminum	3-Blade Aluminum
-	-	-	-	-	-	9-7/8 x 12 inches	9-1/4 x 12 inches
-	-	-	-	-	-	-	-
NA	NA	NA	NA	NA	NA	NA	NA
Standard	Standard	Standard	Standard	Available	Available	Available	Available
NA	NA	NA	NA	Available	Available	Available	Available
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	Standard	Standard	-	-
480 mm/18.9 inches	480 mm/18.9 inches	417 mm/16.4 inches	417 mm/16.4 inches	372 mm/14.7 inches	372 mm/14.7 inches	375 mm/14.8 inches	375 mm/14.8 inches
-	-	-	-	-	-	381 mm/15 inches	381 mm/15 inches
508 mm/20 inches	508 mm/20 inches	521 mm/20 inches	531 mm/20 inches	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches
635 mm/25 inches	-	-	658 mm/25 inches	635 mm/25 inches	-	-	-
-	-	-	-	-	-	-	-
163 kg/359 lbs.	163 kg/359 lbs.	108 kg/239 lbs.	116 kg/256 lbs.	97 kg/214 lbs.	97 kg/214 lbs.	70.5 kg/155 lbs.	70.5 kg/155 lbs.
166 kg/365 lbs.	166 kg/365 lbs.	-	123 kg/270 lbs.	101 kg/223 lbs.	-	72.5 kg/160 lbs.	72.5 kg/160 lbs.
-	-	-	-	-	-	-	-
★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★

Honda Marine

PORTABLE SERIES

		BF20	BF15	BF9.9	BF8	BF5	BF2.3
Type		4-Stroke SOHC 2 Cylinders/4 Valves	4-Stroke SOHC 2 Cylinders/4 Valves	4-Stroke SOHC 2 Cylinders/4 Valves	4-Stroke SOHC 2 Cylinder/4 Valves	4-Stroke OHV 1 Cylinder/2 Valves	4-Stroke OHV 1 Cylinder/2 Valves
Displacement		350 cc (21.5 cubic inches)	350 cc (21.4 cubic inches)	222 cc (13.5 cubic inches)	222 cc (13.5 cubic inches)	127 cc (7.8 cubic inches)	57.2 cc (3.49 cubic inches)
Bore & Stroke		59 mm x 64 mm (2.3 x 2.5 in.)	59 mm x 64 mm (2.3 x 2.5 in.)	58 mm x 42 mm (2.3 x 1.7 in.)	58 mm x 42 mm (2.3 x 1.7 in.)	60 mm x 45 mm (2.4 x 1.8 in.)	45 mm x 36 mm (1.8 x 1.4 in.)
Full Throttle RPM Range		5,000-6,000 RPM	4,500-5,500 RPM	5,000-6,000 RPM	4,500-5,500 RPM	4,500-5,500 RPM	5,000-6,000 RPM
Rated Power		20 HP @ 5,500 RPM	15 HP @ 5,000 RPM	9.9 HP @ 5,500 RPM	8 HP @ 5,000 RPM	5 HP @ 5,000 RPM	2 HP @ 5,500 RPM
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Forced Air
Fuel Delivery		1 Carburetor	1 Carburetor	1 Carburetor	1 Carburetor	1 Carburetor	1 Carburetor
Ignition System		PGM-IG	PGM-IG	PGM-IG	PGM-IG	Digital CDI	Transistorized Pointless
Starting System		Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Recoil	Recoil
Exhaust		Through Hub	Through Hub	Through Hub	Through Hub	Under Water; Above Propeller	Under Water; Above Propeller
Octane		86	86	86	86	86	86
Drive							
Gear Ratio		2.08:1	2.08:1	2.33:1	2.33:1	2.08:1	2.42:1
Gear Shift		F-N-R	F-N-R	F-N-R	F-N-R	F-N-R	360° Pivot
Equipment							
Alternator	(Electric Start)	12A	12A	12A	12A	-	-
w/voltage regulator	(Manual Start)	6A	6A	6A	6A	Optional 3A (No Regulator)	-
Propeller		4-Blade Aluminum	4-Blade Aluminum	4-Blade Aluminum	4-Blade Aluminum	3-Blade Aluminum	3-Blade Plastic
Diameter x Pitch	Standard	9-1/4 x 10 inches	9-1/4 x 10 inches	9-1/4 x 8 inches	9-1/4 x 8 inches	7-7/8 x 7-1/2 inches	7-1/4 x 7-1/2 inches
	Power Thrust	10 x 7-5/8 inches	10 x 7-5/8 inches	10 x 6.5 inches	10 x 6.5 inches	-	-
Power Tilt		Available	Available	Available	Available	NA	NA
Power Trim & Tilt		NA	NA	NA	NA	NA	NA
Gas-Assisted Tilt		-	-	-	-	NA	NA
Oil Pressure Alert		Standard	Standard	Standard	Standard	Standard	-
Temperature Alert		Standard	Standard	Standard	Standard	-	-
Rev-Limiter		Standard	Standard	Standard	Standard	Standard	-
Speedometer Pickup		-	-	-	-	-	-
Dimensions							
Overall Width		350 mm/13.8 inches	350 mm/13.8 inches	345 mm/13.6 inches	345 mm/13.6 inches	340 mm/13.4 inches	285 mm/11.2 inches
Recommended	(S-type)	381 mm/15 inches	381 mm/15 inches	381 mm/15 inches	381 mm/15 inches	381 mm/15 inches	381 mm/15 inches
Transom Height	(L-type)	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches	508 mm/20 inches
	(X-type)	-	635 mm/25 inches	635 mm/25 inches	635 mm/25 inches	-	-
Dry Weight	(S-type)	47 kg/104 lbs.	47 kg/104 lbs.	42 kg/92 lbs.	42 kg/92 lbs.	27 kg/60 lbs.	13 kg/29.5 lbs.
	(L-type)	50 kg/110 lbs.	50 kg/110 lbs.	44 kg/98 lbs.	44 kg/98 lbs.	27.5 kg/61 lbs.	14 kg/31 lbs.
	(X-type)	-	52 kg/115 lbs.	48 kg/107 lbs.	48 kg/107 lbs.	-	-
CARB 2013 RATING		★★★	★★★	★★★	★★★	★★★	★★★

All Honda outboards are power rated with NMMA procedures. Specifications are subject to changes.



Smoker Craft 172 Ultima/Honda BF90

Genuine Honda Accessories

Honda Marine offers a wide variety of accessories for our engines. From controls and flush kits to gauge sets, harnesses and propellers, we have the parts and accessories you require.

All accessories are available to purchase through any authorized Honda Marine dealer.



For more information on Honda's complete line of Parts & Accessories, see your Honda Marine dealer or go to hondamarine.com.

GAUGES • CONTROL BOXES • CONTROL CABLES • KEY SWITCH PANELS • ELECTRIC HARNESSES

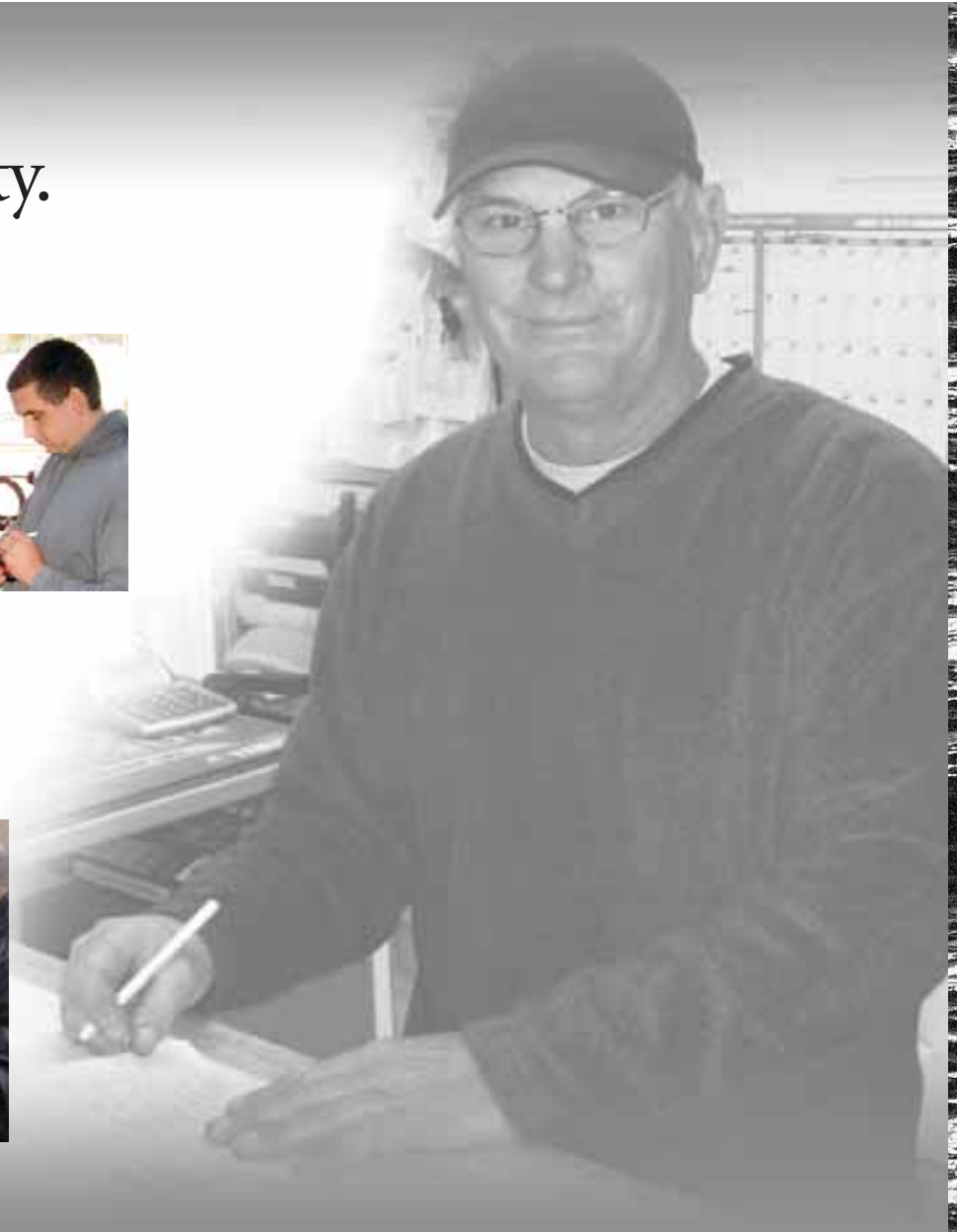
CHARGING SYSTEMS • FUEL SYSTEM COMPONENTS • WATER PUMP KITS • HARDWARE • CONVERSION KITS • CHEMICALS • PROPELLERS

Silver means more than reliability. It also means your satisfaction.

When you power up with a Honda behind you, you're getting more than a lovingly crafted piece of machinery. You're also getting the support of over 1,000 Honda Marine dealers.

Our dealers and staff go through training and receive updates to tune-up their knowledge of the entire Honda outboard line. Honda Marine authorized dealers are ready to provide you with the highest level of service and have the equipment and expertise to help you get the most out of your Honda engine.

Combine this with the best standard non-declining warranty in the outboard industry and you've got a team behind you that is second to none.





Visit us at
www.hondamarine.com

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