



## HONDA Outboard BF 80 LRTU Long Shaft Remote Command 58.8 kW 1496 cm<sup>3</sup>

Reference: BF 80A K1 LRTU

### HONDA BF80AK1 LRTU Long Shaft Outboard

Honda BF80AK1 LRTU are outboard engines perfect for professional use, they are reliable, compact and lightweight complete with PGM-Fi electronic fuel injection system.

The PGM-Fi electronic fuel injection system featured on the Honda BF80AK1 LRTU outboard allows for easy starting, powerful acceleration and exceptionally low fuel consumption. The VTEC™ system is also available on the BF100. When combined with the ECOmo system, it not only offers outstanding economy, but also remarkable high-rpm performance. These outboards are lightweight and compact, and with NMEA2000® connectivity, they're a big favorite with marine enthusiasts.

Honda BF80AK1 LRTU comes complete with the VTEC, which keeps consumption down while offering an exciting increase in power. First used on Honda BF80AK1 LRTU Formula One cars, it delivers increased power and torque at all engine speeds.

1) When the engine is running at low rpm, the valves are operated less aggressively by a cam for low consumption and performance.

2) When more power is desired, as the engine speed increases to 4500 rpm, the VTEC™ hydraulically operates a cam with a higher lift profile. This keeps the valves open longer, pushing more air into the combustion chamber to produce optimum power, like a Formula One race car. At this point, the engine takes on a completely different personality that will be evident both to the ear and in performance.

Honda BF80AK1 LRTU triple cooling system keeps the exhaust manifold and cylinder head cooler than the cylinder block. Controlled by two separate thermostats, this innovative technology delivers more power with superior cooling and excellent fuel efficiency.

Honda BF80AK1 LRTU dual-stage air induction works with a shuttle valve built into the Variable Air Intake (VAI) manifold. When fully open, this valve changes the resonance and airflow generating more torque at low rpm. When the throttle valve is fully open and revs up, the cooling valve closes and creates a direct airflow to the engine. This delivers more power above 3500 rpm. Combined with the BLAST™, you get a disruptive effect.

The special ECOmo poor-blend combustion control system delivers significant fuel economy right through and performance. Once up to speed, much less fuel is consumed. Maintaining this staying there gives the best results. Once you reach cruising speed, ECOmo automatically and intelligently adjusts the correct air/fuel ratio for that speed. Normally it comes into operation in the green zone (shown on the dial) or when the green Eco light comes on (in case you have multifunctional indicators). Therefore, once you are in the green zone, you can save up to 20% of your fuel. This savings, for a long trip, means a lot of extra sea.

The Honda BF80AK1 LRTU models are NMEA2000® compliant. There is no need to modify the wiring because everything is set up. Simply plug the engine into the CANbus network - the boat's nervous system - for total connectivity and control. Then the outboard can be connected to other NMEA devices such as the navigation system, GPS, sonar devices, sounder and chartplotter. All information, including engine data, will be displayed via the multifunctional gauges. It's like having a first mate on board, 24 hours a day.

Precise low-speed control is just as important as high-speed handling, especially while fishing. The optional rudder control, through the control bar, simply adjusts the speed in 50 rpm increments, making it ideal for fishing.

## HONDA BF80AK1 LRTU TECHNICAL SPECIFICATIONS

Net Power (kW): 58.8  
Net Power (Hp): 80  
Displacement: 1496 cm<sup>3</sup>  
Shaft Length: Long  
Dry Weight (Kg) : 165  
Firing: Electric  
Initiation System: Electronic PGM-IG  
Control Type: Remote  
Engine trim and lift: Electric  
Transom height (mm): 664  
Length (mm): 748  
Width (mm): 449  
Height (mm): 1566  
Bore x stroke: 73 x 89.4 mm  
Brand Engine: Honda  
Engine Type: SOHC, 4-stroke  
Number of Cylinders: 4  
RPM at full throttle (rpm): 5000-6000  
Cooling System: Water  
Battery Charging Capacity (A): 35

Are you looking for an outboard with different specifications? [Here](#) you can find the entire Honda range or other brands that specialize in the field.

The images are purely indicative.

### Technical Sheet

Fuel	Gasoline
Engine	SOHC, 4 tempi
Ignition	Electronic PGM-IG
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	1496
Number cylinders	4
Cylinders' position	In line
Cooling	Water (with thermostat)
Bore x stroke (mm)	73 x 89.4
Reduction ratio	2.33
Rpm at full throttle (rpm)	5000 - 6000
Appearance and engine lifting	Electric
Transom height (mm)	537
Net power (kW)	58.8

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Length (mm)	746
Width (mm)	449
Height (mm)	1566
Dry weight (Kg)	165
Shaft Length	L
Controls	Remote

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