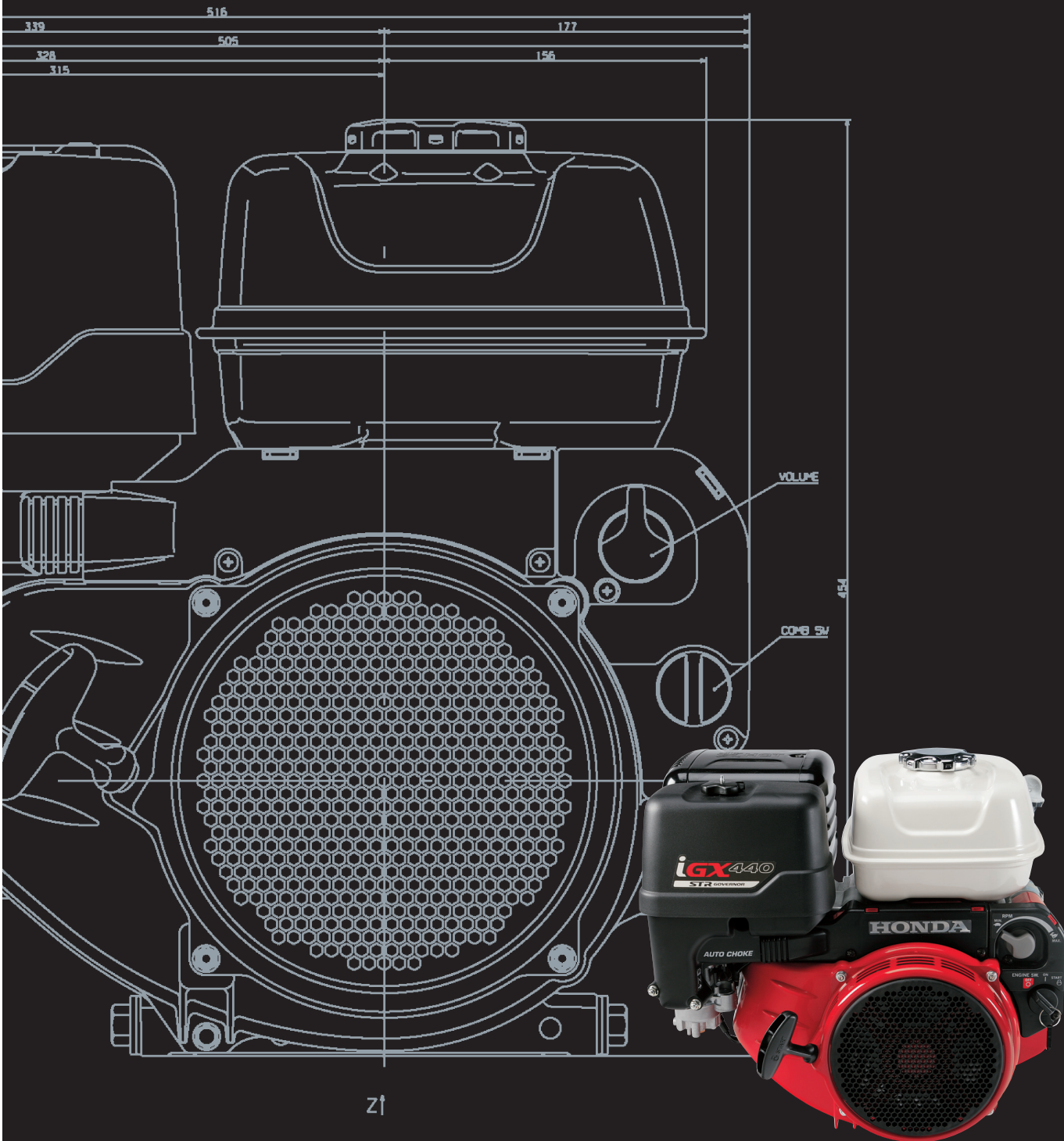


# HONDA

## iGX Series Engines





# GENUINE HONDA



**T**here are many reasons to insist on genuine Honda engines. As the world's largest engine manufacturer, Honda offers more engine experience than anyone. Experience born on racetracks and roadways around the globe. Experience that keeps us on the cutting edge of engine performance technology and crosses our entire product line. From automobiles, race cars, motorcycles and all-terrain vehicles to marine engines, power equipment products and general-purpose engines, Honda is committed to designing products that meet or exceed the demands of our customers across the board. Based on the wide variety of products we offer with our Honda engines, we're experts at matching the right engine for the right job and producing engines that will "get the job done".



Throughout our history, Honda has been dedicated to technological and environmental innovation, and today is no different. After all, we have a legendary reputation to live up to. A reputation for unsurpassed quality, performance and reliability. A reputation worth considering the next time you're in the market for an engine.



## Net Power - SAE J1349

The SAE J1349 standard measures net horsepower with the manufacturer's production muffler and air cleaner in place and therefore more closely correlates with the power the operator will experience when using a Honda engine powered product. The power ratings of the engines indicated in this document are the net power output tested on a production engine for the engine model and measured in accordance with SAE J1349 at the specified rpm. Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operation speed of the engine in the application, environmental conditions, maintenance and other variables.

*Pictured counter-clockwise from above: Honda FCX Hydrogen Fuel Cell Vehicle, Honda CBR, Honda Advanced Robotics - Asimo, MCHP (Micro-sized Combined Heat and Power System), Honda Aquatrax, Honda BF50 outboard, Honda Jet*

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# Honda takes intelligence to a whole new level.

**T**he standard for general purpose engines has just been raised with Honda's innovative iGX Series, a new generation of intelligent computer-controlled general purpose engines. The iGX 440 engine features an integrated electronic control unit that communicates with the application to achieve optimal performance. With their multi-function, high-performance design, iGX engines are the ultimate choice for a wide range of commercial and residential power equipment applications.



## **Technologically Advanced.**

Central to the iGX concept is an integrated ECU (electronic control unit) with a self-tuning regulator (STR) governor system that allows the engine to communicate with the machine it is powering. As the engine becomes intelligent, operation is automated and control becomes surer, faster and easier. The ECU enables drive-by-wire remote control operation of the engine, regulating functions such as starting, throttle, ignition timing and diagnostics. Therefore, engine speed can be programmed and varied based on the equipment application's load and speed requirement.

## **New applications made possible with this technology include:**

- Pressure washers that prolong pump life by automatically idling up or down when the user squeezes or releases the trigger handle
- Utility vehicles with smooth drivability and true "turnkey" operation using drive-by-wire and auto-choke features
- Water pumps that can be automatically activated based on water level by remote switch
- Lawn tractors that can automatically vary engine speed based on load so the engine does not slow in thick grass
- Generators/Welders that deliver consistent, steady frequency output and can auto-idle without an external solenoid

### No experience necessary.

iGX engines are easier for inexperienced users to operate, because the need for manual manipulation of the choke and throttle is eliminated. Ideal for rental applications, they are easily maintained.

### A powerful reputation.

The powerful iGX Series engines feature all-new architecture, but they are undoubtedly an extension of Honda's legendary GX series commercial grade engines which are known for their unparalleled durability, quality and reliability. Representing the pinnacle of Honda's general purpose engine line, the iGX series will set a new standard for ease of use, value, fuel efficiency and quiet operation.

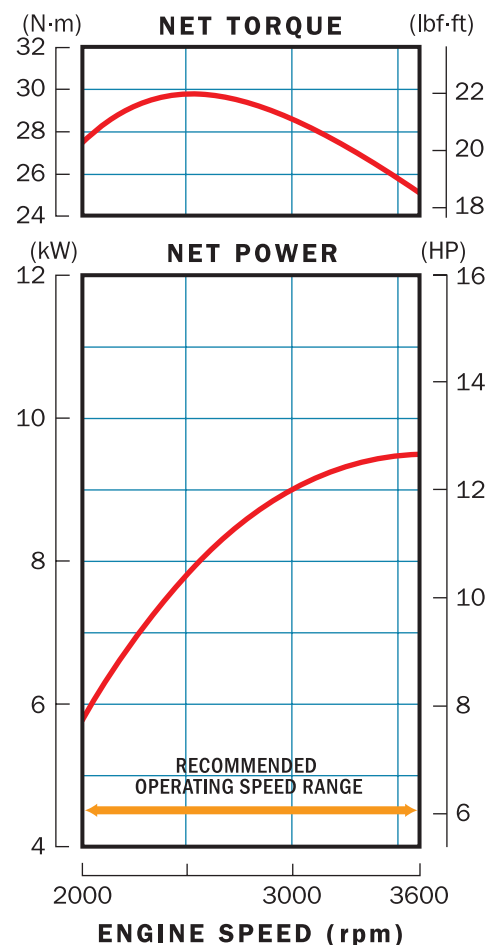
### More Thoughtful iGX Design Features

- Full auto choke
- Automatic shut-off fuel valve
- Digital ignition system
- Long-life oil-immersed timing belt
- Efficient muffler
- New long-life air filter
- Low effort recoil starter with automatic decompression
- Automotive style starter motor
- Multifunction oil alert
- Wide fuel filler mouth with ratchet-type fuel filler cap

## iGX440



Engine Type	Air-cooled, 4-Stroke, OHC, single cylinder
Bore x Stroke	3.46" x 2.84" (88.0 x 72.1 mm)
Displacement	26.7 cu in (438cm <sup>3</sup> )
Compression Ratio	8.1 : 1
Net Horsepower*	12.7hp (9.5kW) at 3,600 rpm's
Net Torque*	22.0 lbs ft (29.8 Nm) at 2,500 rpm's
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)
Ignition System	Transistorized Magneto
Starting System	Recoil and electric starter motor
Carburetor	Horizontal type butterfly valve
Lubrication System	Forced Splash
Cooling System	Forced-air
Governor System	STR (Self Tuning Regulator)
Air Cleaner	Dual element type
Oil Capacity	1.16 US qt (1.10l)
Fuel Tank Capacity (liter)	6.2 US qt (5.9l)
Dimensions (L x W x H)	17.0" (433mm) x 19.9" (505mm) x 17.9" (454mm)
Dry Weight	86 lbs (39 kg)



\* The power rating of the engine indicated in this document is the net power output tested on a production engine for the engine model and measured in accordance with SAE J1349 at 3600 rpm (7000 rpm for model GX50, GXV50, GX25 and GX35). Mass production engines may vary from this value. Actual power output for the engine installed in the final machine will vary depending on numerous factors, including the operating speed of the engine in application, environmental conditions, maintenance and other variables.

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