The SAE J1349 standard measures net horsepower with the manufacturer’s production muffler and air cleaner in place.

Net horsepower more closely correlates with the power the operator will experience when using a Honda Engine powered product. The power rating of the engines indicated in this document is the net power output tested on a production engine for the model noted and measured at the rpm specified. 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 application, environmental conditions, maintenance and other variables.
With a GC Series engine at the heart of your home-use power equipment, you’ll be in business.

The Honda GC Series offers powerful, versatile functionality that will add great competitive value to any engine-powered product. These compact, lightweight 4-stroke engines were specifically designed for home-use power equipment applications. Featured innovations include the world’s first internal timing belt, the superior efficiency and performance of an overhead cam layout and the durability and light weight of uniblock construction. Not to mention the same legendary reliability you’ve come to expect from the leader in 4-stroke engine technology. Put a Honda GC Series engine to work for you and you’ll quickly see why – when it comes to power, we mean business.

The lightest engines in their class
A revolutionary combination of the world’s first internal timing belt, a tough nylon overhead cam and uniblock construction has made the GC Series lighter and more compact than any engine in its class. Plus, simple construction has minimized the number of parts, making the engine reliable and easier to operate.

Dramatically improved sound quality
Power equipment users and their neighbors will prefer the quiet operation offered by the GC Series’ built-in timing belt. Valvetrain and gear noise have also been minimized for a better quality engine sound that is distinctly easier on the ears – a feature sure to be appreciated by users and bystanders alike.

Consistent, dependable power
The wide, flat, powerful torque offered by Honda’s GC Series engines helps reduce engine speed drop associated with sudden load increases for smoother, less-troublesome, all-around performance.

Fast, easy, reliable starting
GC Series engines feature a horizontal cross-flow intake port that smooths the flow of fuel into the combustion chamber for quick, reliable starts that require no special skills. Automatic mechanical decompression further ensures easy starting.
Honda Auto Choke System
This system has been developed for use on GVC160 and GVC190 engines in fixed-throttle lawn mower applications. This user-friendly system is truly automatic, eliminating levers and cables. The engine starts easily whether cold or hot and is ready to use immediately. Once the engine is up and running, the Auto Choke automatically returns to an optimal operating position.

Reduced maintenance and fuel consumption
A truly innovative combination of a compact combustion chamber, overhead cam configuration and uniblock construction significantly reduces fuel and oil consumption as compared to conventional side-valve engines. Honda’s Dualube™ System achieves full engine lubrication by combining governor slinger paddles and an oil-delivering timing belt. Also, simple construction reduces many potential maintenance needs, making Honda’s GC engine one of the most efficient and cost-effective engines available.

Superior efficiency and performance in a smaller package
As the name implies, overhead cam (OHC) engines have their camshafts positioned in the cylinder head above the combustion chamber. Valves are located in the roof of the combustion chamber (instead of at the side) to offer the same combustion-related advantages as OHV engines. The OHC layout builds on these advantages by reducing the number of valvetrain components and allowing them to be lighter and stronger, thereby making the engine more compact and lightweight overall.

Overhead Cam, Internal Timing Belt

![Diagram of overhead cam and internal timing belt](image)
Horizontal Shaft

Honda GC Engines provide an ideal source of reliable, lightweight power for a variety of consumer products including pressure washers, pumps, compressors and portable generators.

**GC160**

- **Engine Type**: Air-cooled, 4-Stroke, OHC, single cylinder
- **Bore x Stroke**: 2.5" x 2.0" (64 x 50 mm)
- **Displacement**: 9.8 cu in (160 cm³)
- **Compression Ratio**: 8.5 : 1
- **Net Power (kW/rpm)**: 4.6HP (3.4kW) at 3,600 rpm
- **Net Torque**: 6.9 lbs ft (9.4 Nm) at 2,500 rpm
- **PTO Shaft Rotation**: Counterclockwise (from PTO shaft side)
- **Ignition System**: Transistorized Magneto
- **Starting System**: Recoil or Electric Starter
- **Carburetor**: Horizontal type butterfly valve
- **Lubrication System**: Forced Splash
- **Governor System**: Centrifugal Mechanical
- **Air Cleaner**: Dry (paper) type
- **Oil Capacity**: 0.61 US qt (0.58 l)
- **Fuel Tank Capacity (liter)**: 1.9 US qt (1.8l)
- **Dimensions (L x W x H)**: 13.3" (337mm) x 14.5" (369mm) x 13.0" (331mm)
- **Dry Weight**: 25.4 lbs (11.5 kg)

**GC190**

- **Engine Type**: Air-cooled, 4-Stroke, OHC, single cylinder
- **Bore x Stroke**: 2.7" x 2.0" (69 x 50 mm)
- **Displacement**: 11.4 cu in (187 cm³)
- **Compression Ratio**: 8.5 : 1
- **Net Power (kW/rpm)**: 5.2HP (3.9kW) at 3,600 rpm
- **Net Torque**: 8.3 lbs ft (11.2 Nm) at 2,500 rpm
- **PTO Shaft Rotation**: Counterclockwise (from PTO shaft side)
- **Ignition System**: Transistorized Magneto
- **Starting System**: Recoil or Electric Starter
- **Carburetor**: Horizontal type butterfly valve
- **Lubrication System**: Forced Splash
- **Governor System**: Centrifugal Mechanical
- **Air Cleaner**: Dry (paper) type
- **Oil Capacity**: 0.61 US qt (0.58 l)
- **Fuel Tank Capacity (liter)**: 1.9 US qt (1.8l)
- **Dimensions (L x W x H)**: 13.6" (345mm) x 14.5" (369mm) x 13.0" (331mm)
- **Dry Weight**: 29.1 lbs (13.2 kg)

**Shaft Types**

* The power rating of the engines indicated in this document measures the net power output at 3600 rpm (7000 rpm for model GXH50, GXV50, GX25 and GX35) and net torque at 2500 rpm, as tested on a production engine. 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.

Specifications are subject to change without notice.
Vertical Shaft

Honda GCV Engines offer lawn mower users (and their neighbors!) a quiet, yet powerful and lightweight combination for a variety of demanding mowing applications. The GCV is also an excellent choice for residential-use pressure washers.

### GCV160

- **Engine Type**: Air-cooled, 4-Stroke, OHV, single cylinder
- **Bore x Stroke**: 2.5" x 2.0" (64 x 50 mm)
- **Displacement**: 9.8 cu in (160 cm³)
- **Compression Ratio**: 8.5 : 1
- **Net Power (kW/rpm)**: 4.4HP (3.3kW) at 3,600 rpm
- **Net Torque**: 6.9 lbs ft (9.4 Nm) at 2,500 rpm
- **PTO Shaft Rotation**: Counterclockwise (from PTO shaft side)
- **Ignition System**: Transistorized Magneto
- **Starting System**: Recoil or Electric Starter
- **Carburetor**: Horizontal type butterfly valve
- **Lubrication System**: Forced Splash
- **Governor System**: Centrifugal Mechanical
- **Air Cleaner**: Dry (paper) type
- **Oil Capacity**: 0.58 US qt (0.55 l)
- **Fuel Tank Capacity (liter)**: 0.98 US qt (0.93 l)
- **Dimensions (L x W x H)**: 15.5" (395mm) x 12.8" (327mm) x 13.9" (355mm)
- **Dry Weight**: 22.2 lbs (10.1 kg)

### GCV190

- **Engine Type**: Air-cooled, 4-Stroke, OHV, single cylinder
- **Bore x Stroke**: 2.7" x 2.0" (69 x 50 mm)
- **Displacement**: 11.4 cu in (187 cm³)
- **Compression Ratio**: 8.5 : 1
- **Net Power (kW/rpm)**: 5.1HP (3.8kW) at 3,600 rpm
- **Net Torque**: 8.3 lbs ft (11.3 Nm) at 2,500 rpm
- **PTO Shaft Rotation**: Counterclockwise (from PTO shaft side)
- **Ignition System**: Transistorized Magneto
- **Starting System**: Recoil or Electric Starter
- **Carburetor**: Horizontal type butterfly valve
- **Lubrication System**: Forced Splash
- **Governor System**: Centrifugal Mechanical
- **Air Cleaner**: Dry (paper filter)
- **Oil Capacity**: 0.58 US qt (0.55 l)
- **Fuel Tank Capacity (liter)**: 0.98 US qt (0.93 l)
- **Dimensions (L x W x H)**: 15.5" (395mm) x 12.8" (327mm) x 13.9" (355mm)
- **Dry Weight**: 27.6 lbs (12.5 kg)

### Shaft Types

- **N1-type**
- **N2-type**
- **N3-type**
- **N4-type**
- **N5-type**

*The power rating of the engines indicated in this document measures the net power output at 3600 rpm (7000 rpm for model GXH50, GXV50, GX25 and GX35) and net torque at 2500 rpm, as tested on a production engine. 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.*

Unique Honda blade brake clutch assembly is available as an option for use only on Honda GCV Series engines for lawn mower applications.
HONDA ENGINE DISTRIBUTORS

ALABAMA
R.W. DISTRIBUTORS, INC. SEE MISSISSIPPI

ALASKA
SCOTSCO, INC SEE OREGON

ARIZONA
TRU-POWER, INC. SEE SOUTHERN CALIFORNIA

ARKANSAS
R.W. DISTRIBUTORS, INC. SEE MISSISSIPPI

CALIFORNIA
Northern California
PACE WEST, INC.
www.pacelink.com
5850 Adler Circle
Sacramento, CA 95828
(734) 453-6258
FAX (913) 383-6550
BruceT@pacelink.com
Southern California
TRU-POWER, INC.
www.trupower.com
22520-A Temescal Canyon Rd.
Corona, CA 92883
(951) 277-3190
FAX (951) 277-3180
Corona, CA 92883

COLORADO
E. C. POWER SYSTEMS
www.ecpower.com
3233 Oakland Street
Winter Park, FL 32792
www.robertssupply.com
SEE VIRGINIA

CONNECTICUT
TIDEWATER
SEE VIRGINIA

DELAWARE
TIDEWATER
SEE VIRGINIA

DISTRICT OF COLUMBIA
TIDEWATER
SEE VIRGINIA

FLORIDA
ROBERTS SUPPLY, INC. www.robertssupply.com
4203 Metric Drive
Winter Park, FL 32792
(407) 657-5355
FAX (407) 657-4007
info@robertssupply.com

GEORGIA
M.T.A. DISTRIBUTORS SEE TENNESSEE

HAWAII
SCOTSCO, INC. SEE OREGON

IDAHO
E. C. POWER SYSTEMS www.ecpower.com
4499 Market Street
Boise, ID 83705
(208) 342-6541
FAX (208) 345-4308
wintons@e-c-c-o.com

ILLINOIS
POWER EQUIPMENT CO. SEE ILLINOIS

INDIANA
POWER EQUIPMENT CO. SEE ILLINOIS

IOWA
IOWA POWER PRODUCTS www.iowapower.com
522 Brooks Road
Iowa Falls, IA 50126
(641) 648-2507
FAX (641) 648-5013
iowapower@iowapower.com

KANSAS
ANDERSON INDUSTRIAL ENGINES www.ai-engines.com
80 S. James Street
Kansas City, KS 66118
(913) 321-7040
FAX (913) 321-7341
info@ai-engines.com

KENTUCKY
M.T.A. DISTRIBUTORS SEE TENNESSEE

LOUISIANA
R.W. DISTRIBUTORS, INC. SEE MISSISSIPPI

MAINE
EASTERN EQUIPMENT, INC. SEE NEW HAMPSHIRE

MARYLAND
TIDEWATER SEE VIRGINIA

MASSACHUSETTS
EASTERN EQUIPMENT, INC. SEE NEW HAMPSHIRE

MICHIGAN
PACE, INC.
www.pacelink.com
739 South Mill Street
Plymouth, MI 48170
(734) 453-6258
FAX (734) 453-5320
pace@pacelink.com
Northern Michigan ENGINE POWER INC. SEE WISCONSIN

MINNESOTA
GREAT NORTHERN DISTRIBUT.
www.gnedi.com
2019S South Diamond Lake Road
Rogers, MN 55744
(763) 428-2237
FAX (763) 428-4821
christ@gnedi.com

MONTANA
E. C. POWER SYSTEMS SEE IDAHO

NEBRASKA
ANDERSON INDUSTRIAL ENGINES www.ai-engines.com
5532 Center Street
Omaha, NE 68106
(402) 558-8700
FAX (402) 558-8249
info@ai-engines.com

NEVADA
PACE WEST INC. SEE NORTHERN CALIFORNIA
TRU-POWER, INC. SEE SOUTHERN CALIFORNIA
E. C. POWER SYSTEMS SEE UTAH

NEW HAMPSHIRE
EASTERN EQUIPMENT, INC. www.easternequipmentinc.com
6 “B” Street
Derry, NH 03038
(603) 437-0407
FAX (603) 437-0815
gmissoeastern@aol.com

NEW JERSEY
TIDEWATER SEE VIRGINIA

NEW MEXICO
LIGHBOURN EQUIPMENT SEE TEXAS (DALLAS)

NEW YORK
EASTERN EQUIPMENT, INC. SEE NEW HAMPSHIRE

NORTH CAROLINA
TIDEWATER SEE VIRGINIA

NORTH DAKOTA
GREAT NORTHERN EQUIPMENT SEE MINNESOTA

OHIO
HAYWARD DISTRIBUTING www.haydist.com
4061 Perimeter Drive
Columbus, OH 43228
(614) 272-5953
FAX (614) 272-5959
rstruthers@haydist.com

NEW JERSEY
TIDEWATER SEE VIRGINIA

NEW YORK
EASTERN EQUIPMENT, INC. SEE NEW HAMPSHIRE

OKLAHOMA
LIGHTBOURN EQUIPMENT SEE TEXAS

OREGON
SCOTSCO, INC. www.scotcco.com
16750 S.E. Kens Ct.
Milwaukie, OR 97267
(503) 653-7791
FAX (503) 653-7838
info@scotcco.com

Pennsylvania
PAUL B. MOYER & SONS, INC. www.paulbmoyer.com
190 S. Clinton Street
Doyelstown, PA 18901
(215) 348-1270
FAX (215) 348-7651
information@paulbmoyer.com

RHODE ISLAND
EASTERN EQUIPMENT, INC SEE NEW HAMPSHIRE

SOUTH CAROLINA
TIDEWATER SEE VIRGINIA

SOUTH DAKOTA
GREAT NORTHERN EQUIPMENT SEE MINNESOTA

TEXAS
LIGHTBOURN EQUIPMENT www.lightbournequipment.com
SEE TEXAS (DALLAS)

VIRGINIA
TIDEWATER POWER EQUIP. CO. www.tpeco.com
SEE VIRGINIA

WASHINGTON
SCOTSCO, INC. SEE OREGON

WEST VIRGINIA
HAYWARD DISTRIBUTING SEE OHIO

WISCONSIN
ENGINE POWER, INC. www.enginepower.com
SEE VIRGINIA

WYOMING
E. C. POWER SYSTEMS SEE COLORADO
Honda. The largest manufacturer of gasoline engines in the world.

Visit us at engines.honda.com

For optimum performance and safety we recommend you read the owner’s manual before operating your Honda Power Equipment. Specifications subject to change without notice.

All images contained herein are either owned by American Honda Motor Co., Inc., or used under a valid license. It is a violation of federal law to reproduce these images without express written permission from American Honda Motor Co., Inc., or the individual copyright owner of such images. All rights reserved. Honda, the Honda Engines logo, Honda engine model names and their trade dress are trademarks of Honda Motor Co., Ltd. used under license from American Honda Motor Co., Inc. Many Honda engine and vehicle model names, and associated trade dress may be seen at www.honda.com.

©2015 American Honda Motor Co., Inc. C0314