

Honda GX Series Engines



HONDA

GX Series Engines

Honda GX Series Engines have long been recognized as the industry leader in providing reliable, easy-starting and fuel efficient small engines. You'll find Honda GX Series overhead valve engines on a wide variety of construction, maintenance and premium power equipment. The rental industry, where power equipment is subjected to the ultimate test of durability, relies heavily on Honda OHV engines to ensure customer satisfaction and a minimal level of maintenance and repair.



Quality and performance are standard with Honda GX Series engines. From cast iron cylinder sleeves to Automatic Decompression, Honda offers a variety of power solutions to meet your specific application. Choose from over 60 standard engine variations in the 2.5 to 13 horsepower range. A variety of features are available, depending on the specific model* and application, including four types of air filtration systems and Oil Alert® which warns the user before oil reaches an unsafe operating level. Other options include 2-to-1 and 6-

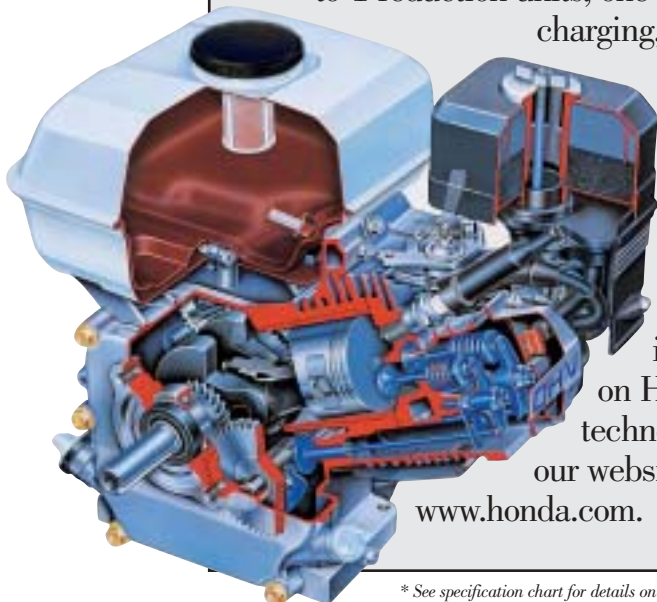
to-1 reduction units, one to 18 amp charging, lamp coils and shaft

variations to suit every standard application.

For the most current information

on Honda engine technologies, visit our website at

www.honda.com.



Environmental responsibility has been an integral part of our product development philosophy years before emission levels were established. In fact, with minor modifications, the same GX Series engine design introduced in 1983 meets today's EPA and CARB emission level standards. Honda's advanced engine technology offers a number of distinct advantages including fuel savings, lower emissions and standardized replacement parts readily available through your local Honda Engine dealer.

Prove it to yourself. Next time you visit a rental center, see a landscape truck or pass by a construction site, you'll probably see a Honda GX engine-powered piece of equipment. Stop and ask them what they think of the Honda engine. Chances are they'll tell you they wouldn't use anything else. Sure, you can find a less expensive engine, but you won't find a more reliable one.

**Honda —
Power With a Clear Advantage.**

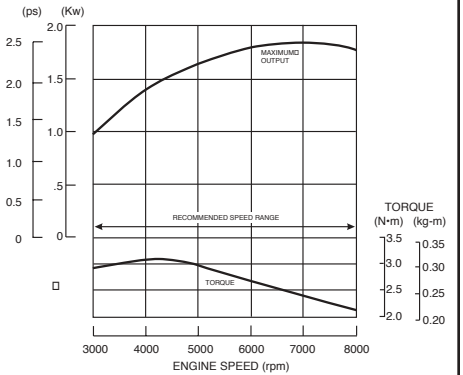
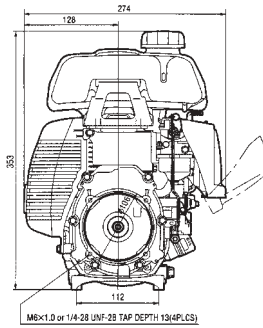


* See specification chart for details on engine variations and available options.

Horizontal Shaft

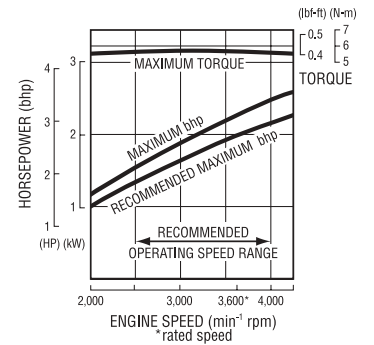
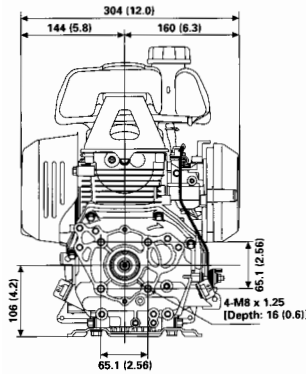
GXH50

A 2.5HP horizontal shaft 4-stroke OHV engine provides an excellent power source for generators, pumps, tillers, and small construction equipment.



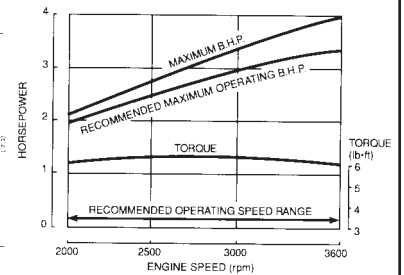
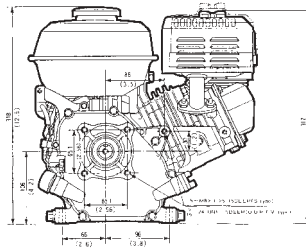
GX100

A 3.0HP horizontal-shaft lightweight, OHC engine. Includes mechanical governor and electronic ignition. Perfect for edgers, pumps and concrete finishing equipment.



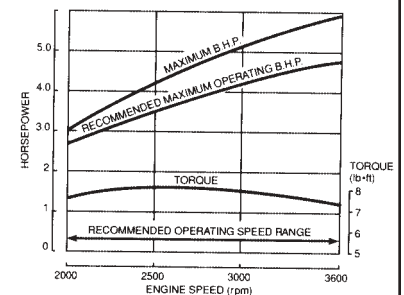
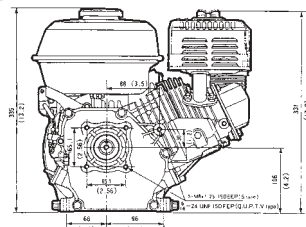
GX120

A 4HP OHV horizontal-shaft lightweight engine. Includes Automatic Decompression and Oil Alert® for edgers, pumps, small construction equipment and reel-type lawn mowers.



GX160

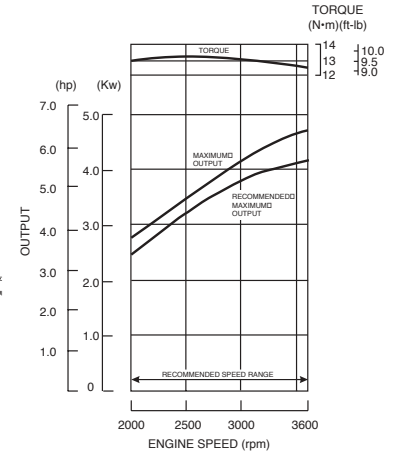
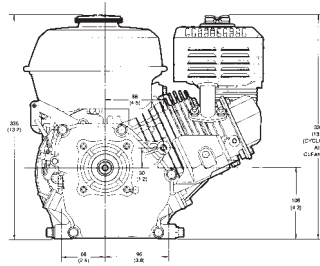
A 5.5HP OHV horizontal-shaft engine with electronic ignition and Oil Alert. Usage includes powering air compressors, generators, pumps, pressure washers, reel-type lawn mowers, cement trowels, and construction equipment.



Horizontal Shaft

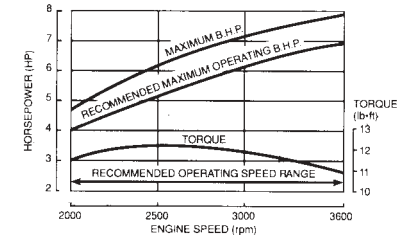
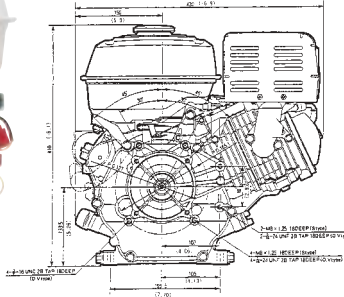
GX200

A 6.5HP OHV horizontal-shaft engine with electronic ignition and Oil Alert®. It has the same variety of uses as the GX160, with the addition of one more horsepower for more rigorous applications.



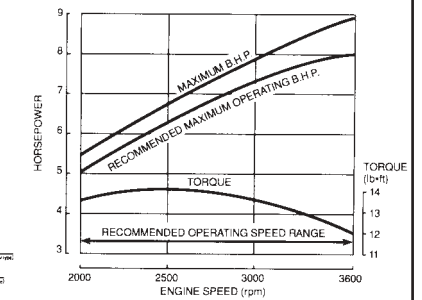
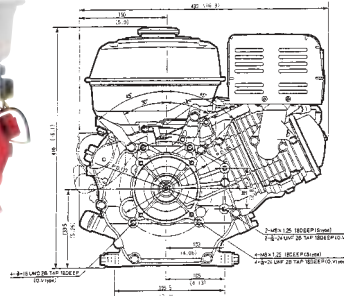
GX240

An 8HP OHV horizontal-shaft engine with electronic ignition and Oil Alert. Its uses include powering cement mixers, air compressors and water pumps, as well as many other construction applications.



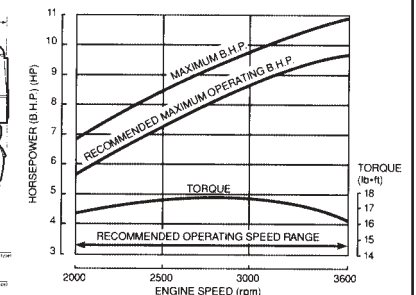
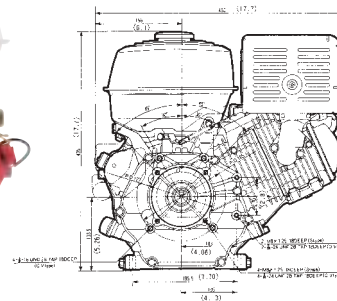
GX270

A 9HP OHV horizontal-shaft engine with electronic ignition and Oil Alert. It has the same variety of uses as the GX240. With one more horsepower, this engine can make difficult jobs seem easy.



GX340

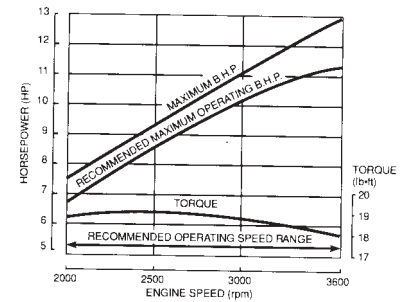
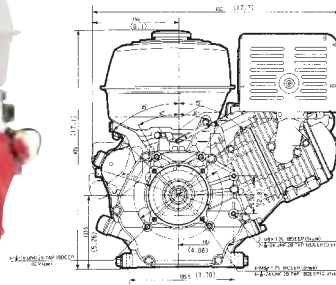
An 11HP OHV horizontal-shaft engine with 25° tilted cylinder, Oil Alert, electronic ignition, available with varying shaft and reduction ratios. It's used for lawn mowers, pressure washers and a variety of construction equipment.



Horizontal Shaft

GX390

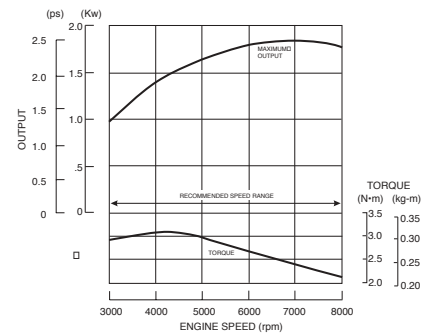
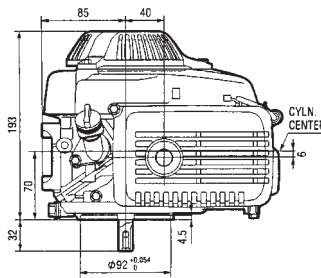
A 13HP OHV horizontal shaft engine with automatic decompression for easy starting. The 13HP is the largest work-horse in our line of industrial engines.



Vertical Shaft

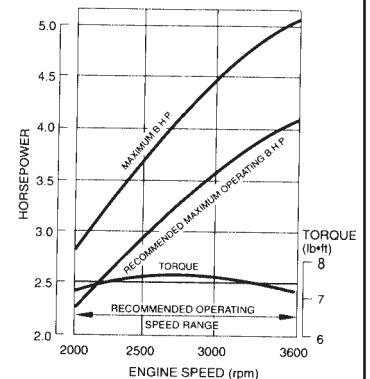
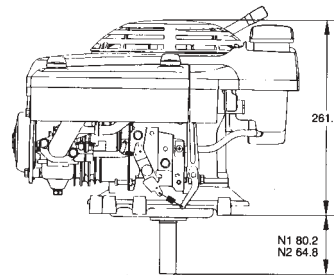
GXV50

A 2.5HP vertical shaft 4-stroke OHV engine offering a rugged, reliable source of power for a variety of small industrial and construction equipment.



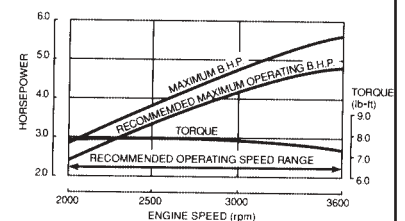
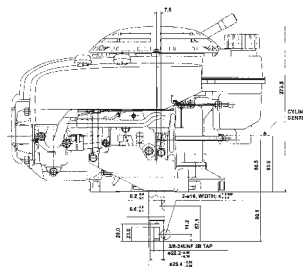
GXV140

A 5HP OHV vertical shaft engine with electronic ignition and dual element air cleaner. Primary application is for lawn mowers (but can be used for a variety of applications).



GXV160

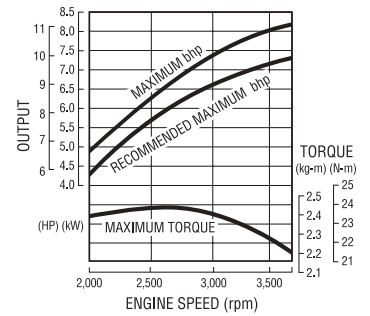
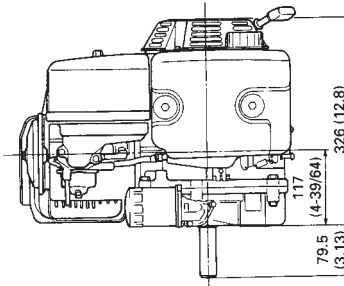
A 5.5HP OHV vertical shaft engine with electronic ignition and dual element air cleaners. Uses include commercial lawn mowers and a variety of industrial products.



Vertical Shaft

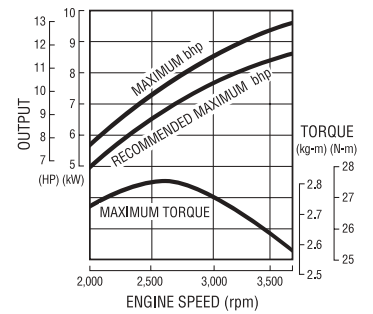
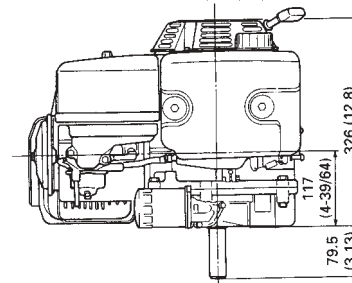
GXV340

An 11HP OHV vertical-shaft engine with easy-maintenance features, Oil Alert® and electronic ignition. Used for powering turf equipment and floor buffers.



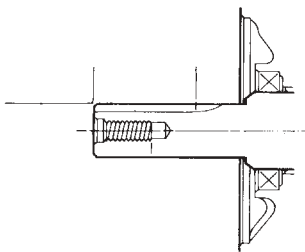
GXV390

A 13HP OHV vertical-shaft engine with features like Oil Alert and electric start capabilities. Designed with commercial lawn & garden and floor care equipment in mind.

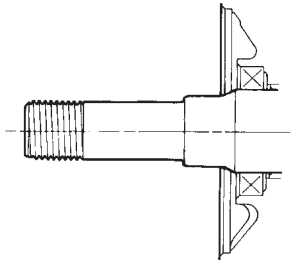


PTO Shaft Variations

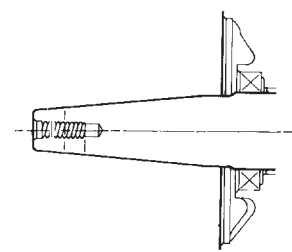
Horizontal



Q-Type Shaft-Flat Key For General Purpose—
See each model for specifications.



P-Type and T-Type Threaded Crankshaft—
See each model for specifications.

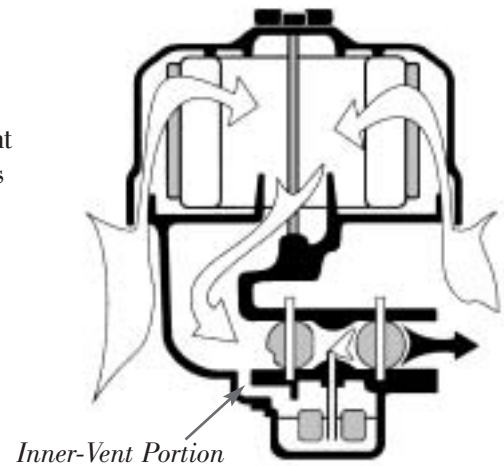


V-Type/Taper—
See each model for specifications.

Air Filtration Systems

Honda offers a variety of air filters to match your application, including dual-element, semi-dry, oil-bath, and Cyclone Air Cleaner with inner-vent carburetor. "Inner-vent" carburetors are now available on specific models with dual-element filters.

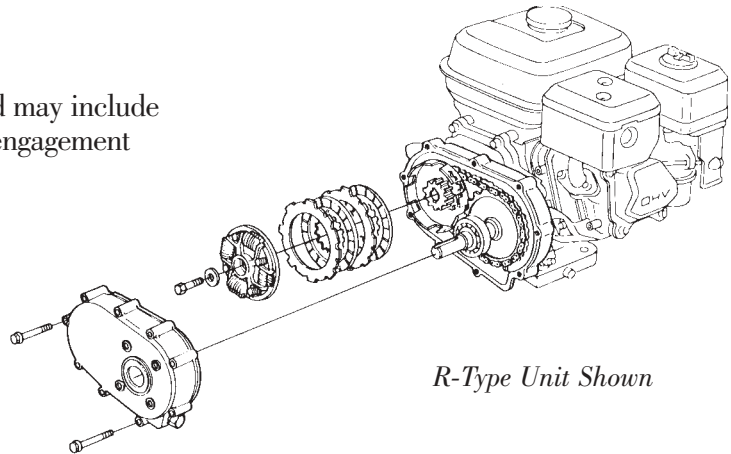
Honda's inner-vent carburetor places the float bowl vent on the "clean side" of the air filter elements so that the air/fuel ratio remains more constant as the elements become dirty. This allows the length of the service interval for air filter maintenance to be more than doubled.



Reduction Units

The 2-to-1 reduction unit is chain or gear driven and may include an automatic, centrifugally operated clutch. Clutch engagement occurs at 1800 rpm and clutch lock occurs at 2200.

The 6-to-1 gear reduction is gear driven and does not include a clutch.



R-Type Unit Shown

Specifications

GX Series Vertical Shaft Engine Specifications

(For additional engine variations, contact your local Honda engine distributor.)

| HORSEPOWER | MODEL | TYPE | VARIATION | OIL ALERT® | CRANKSHAFT P.T.O. | TOP GOVERNED SPEED-NO LOAD | RECOIL STARTER | 12V STARTER | TRANSISTOR IGNITION | AIR CLEANER | FUEL TANK (QT.) | NET WEIGHT |
|------------|--------|------|-----------|------------|---|----------------------------|----------------|-------------|---------------------|-------------|-----------------|------------|
| 2.5 | GXV50 | | VA2 | | ²⁹ / ₃₂ x 17 taper M8 x 1.25 | 4800 | • | | • | SD | .5 | 12 |
| 5.0 | GXV140 | | A1(1) | | 3 ⁵ / ₃₂ x 7/8 dia. tapped 3/8 24 UNF | 3600 | • | | • | DE | 1.16 | 26 |
| | GXV140 | | N1 | | 3 ⁵ / ₃₂ x 7/8 dia. tapped 3/8 24 UNF | 3600 | • | | • | DE | 1.16 | 26 |
| 5.5 | GXV160 | K1 | N12 | | 3 ³ / ₁₆ x 7/8-1 dia. tapped 7/8 24 UNF | 3600 | • | | • | DE | 2.01 | 35 |
| | GXV160 | K1 | A1(1) | | 3 ³ / ₁₆ x 7/8-1 dia. tapped 3/8 24 UNF | 3600 | • | | • | DE | 2.01 | 40 |
| 11 | GXV340 | K2 | DA33 | • | 3 ³ / ₈ x 1 dia. tapped 7/16 20 UNF | 3600 | • | | • | DE | W/O | 72 |
| | GXV340 | K2 | DE33 | | | 3600 | • | • | • | DE | 2.2 | 78 |
| | GXV340 | K2 | DAP2(2) | | | 3600 | • | (2) | • | DE | W/O | 72 |
| 13 | GXV390 | K1 | DA33 | • | 3 ³ / ₈ x 1 dia. tapped 7/16 20 UNF | 3600 | • | | • | DE | W/O | 73 |
| | GXV390 | K1 | DE33 | | | 3600 | • | • | • | DE | 2.2 | 79 |

NOTES: (1) Flywheel brake model (2) Provision for electric starter
SD-Semi dry OB-Oil bath DE-Dual element CY-Cyclone W/O-Without

GX Series Horizontal Shaft Engine Specifications

(For additional engine variations, contact your local Honda engine distributor.)

| HORSEPOWER | MODEL | TYPE | VARIATION | OIL ALERT* | CRANKSHAFT P.T.O. | 6 TO 1 REDUCTOIN (NO CLUTCH) | 2 TO 1 REDUCTOIN • W/CLUTCH ◦ NO CLUTCH | TOP GOVERNED SPEED—NO LOAD | RECOIL STARTER | 12V STARTER | TRANSISTOR IGNITION | AIR CLEANER | FUEL TANK (QT.) | WEIGHT (LBS.) | |
|------------|--------|------|-----------|--|---|---|---|-------------------------------|----------------|-------------|---------------------|-------------|-----------------|---------------|----|
| 2.5 | GXH50 | | QXA | • | 1¼ x ⅝ dia. tapped ¼ 28 UNF | | | 7800 | • | | • | SD | 1.27 | 12 | |
| 3 | GX100 | | QA2 | | 2 ¹⁹ / ₆₄ x ⅝ dia. tapped ¼ 28 UNF | | | 4000 | • | | • | DE | 1.26 | 23 | |
| 4 | GX120* | K1 | QA2 | | 2 ⁷ / ₁₆ x ¾ dia. tapped ⅝ ₁₆ 24 UNF | | | 3900 | • | | • | OB | 2.64 | 29 | |
| | GX120 | K1 | QX2 | • | | | | 3900 | • | | • | DE | 2.64 | 29 | |
| | GX120 | K1 | QXC9 | • | | | | 3900 | • | | • | CY | 2.64 | 30 | |
| | GX120 | K1 | QXS2(1) | • | | | | 3900 | • | | • | DE | 2.64 | 29 | |
| | GX120* | K1 | HX2 | • | | 2 ³ / ₆₄ x ¾ dia. | • | | 3900 | • | | • | DE | 2.64 | 35 |
| | GX120 | K1 | TX2 | • | | 2 ⁷ / ₁₆ x ⅝ threaded | | | 3900 | • | | • | DE | 2.64 | 29 |
| 5.5 | GX160 | K1 | QA2 | | 2 ⁷ / ₁₆ x ¾ dia. tapped ⅝ ₁₆ 24 UNF | | | 3900 | • | | • | OB | 3.88 | 34 | |
| | GX160* | K1 | QX2 | • | | | | 3900 | • | | • | DE | 3.88 | 34 | |
| | GX160 | K1 | QXS2(1) | • | | | | 3900 | • | | • | DE | 3.88 | 34 | |
| | GX160 | K1 | QXC9 | • | | | | 3600 | • | | • | CY | 3.88 | 34 | |
| | GX160 | K1 | VX2 | • | | 2 ⁵³ / ₆₄ x ¾ dia. taper 2¼" per ft. | | | 3900 | • | | • | DE | 3.88 | 33 |
| | GX160 | K1 | TX2 | • | | 2 ⁷ / ₁₆ x ⅝ threaded | | | 3900 | • | | • | DE | 3.88 | 33 |
| | GX160 | K1 | RH2 | | | 2 ³ / ₃₂ x 22 mm tapped M8 x 1.25 | • | | 3900 | • | | • | DE | 3.88 | 45 |
| | GX160 | K1 | QXE2 | • | | 2 ⁷ / ₁₆ x ¾ dia. tapped ⅝ ₁₆ 24 UNF | | | 3900 | • | • | • | DE | 3.88 | 39 |
| | GX160 | K1 | LX2 | • | | 2 ³ / ₃₂ x 20 mm dia. tapped M8 x 1.25 | | ◦ | 3900 | • | | • | DE | 3.88 | 35 |
| GX160* | K1 | HX2 | • | 2 ³ / ₆₄ x ¾ dia. | • | | 3900 | • | | • | DE | 3.88 | 39 | | |
| 6.5 | GX200 | | QX2 | • | 2 ⁷ / ₁₆ x ¾ dia. tapped ⅝ ₁₆ 24 UNF | | | 3900 | • | | • | DE | 3.8 | 36 | |
| | GX200 | | HX2 | • | | 1 ³¹ / ₃₂ x ¾ dia. | • | | 3900 | • | | • | DE | 3.8 | 41 |
| | GX200 | | RH2 | | | 2 ³ / ₃₂ x 22 mm dia. tapped M8 x 1.25 | • | | 3900 | • | | • | DE | 3.8 | 46 |
| | GX200 | | VX2 | • | | 2 ⁵³ / ₆₄ x ¾ dia. taper 2¼" per ft. | | | 3900 | • | | • | DE | 3.8 | 35 |
| | GX200 | | VA2 | • | | 2 ⁵³ / ₆₄ x ¾ dia. taper 2¼" per ft. | | | 3900 | • | | • | DE | 3.8 | 35 |
| | GX240* | K1 | QA2 | • | | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 20 UNF | | | 3900 | • | | • | DE | 6.4 | 56 |
| 8 | GX240 | K1 | QAE2 | • | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 20 UNF | | | 3900 | • | • | • | DE | 6.4 | 63 | |
| | | | | | | | | 3900 | • | | • | CY | N/A | 54 | |
| | GX240 | K1 | QXC9 | • | | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 20 UNF | | | 3900 | • | | • | CY | 6.4 | 56 |
| | GX240* | K1 | HA2 | • | | 3 ⁵ / ₃₂ x 1 dia. | • | | 3900 | • | | • | DE | 6.4 | 59 |
| | GX240 | K1 | LX2 | • | | 2 ²³ / ₆₄ x 25 mm tapped M8 x 1.25 | | ◦ | 3900 | • | | • | DE | 6.4 | 59 |
| | GX240 | K1 | PA2 | • | | 3½ x 1 dia. 14 NF threaded | | | 3900 | • | | • | DE | 6.4 | 56 |
| | GX240 | K1 | RA2 | • | | 2 ³ / ₃₂ x 22 mm tapped M8 x 1.25 | • | | 3900 | • | | • | DE | 6.4 | 62 |
| | GX240 | K1 | VA2 | • | | 4 ¹ / ₆₄ x 22.2 mm taper 2¼" per ft. | | | 3900 | • | | • | DE | 6.4 | 56 |
| | GX270* | | QA2 | • | | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 24 UNF | | | 3900 | • | | • | DE | 6.4 | 56 |
| | GX270 | | QAE2 | • | | | | | 3900 | • | • | • | DE | 6.4 | 62 |
| GX270 | | QXC9 | • | | | | 3900 | • | | • | CY | 6.4 | 56 | | |
| GX270* | | HA2 | • | 3 ⁵ / ₃₂ x 1 dia. | • | | | 3900 | • | | • | DE | 6.4 | 59 | |
| GX270 | | RA2 | • | 2 ²³ / ₆₄ x 22 mm tapped M8 x 1.25 | • | | | 3900 | • | | • | DE | 6.4 | 67 | |
| GX270 | | PA2 | • | 3½ x 1 dia. 14 NF threaded | | | | 3900 | • | | • | DE | 6.4 | 56 | |
| GX270 | | VA2 | • | 4 ¹ / ₆₄ x 22.2 mm taper 2¼" per ft. | | | | 3900 | • | | • | DE | 6.4 | 56 | |
| 11 | GX340* | K1 | QA2 | • | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 24 UNF | | | | 3900 | • | | • | DE | 6.9 | 69 |
| | GX340 | K1 | QAE2 | • | | | | | 3900 | • | • | • | DE | 6.9 | 75 |
| | GX340 | K1 | QXC9 | • | | | | | 3900 | • | | • | CY | 6.9 | 75 |
| | GX340 | K1 | QNE2(2) | • | | | | 3900 | • | • | • | DE | 6.9 | 75 | |
| | GX340 | K1 | VA2 | • | | 4 ¹ / ₆₄ x ⅞ taper 2¼" per ft. | | | 3900 | • | | • | DE | 6.9 | 69 |
| | GX340 | K1 | VXE2 | • | | | | 3900 | • | • | • | DE | 6.9 | 75 | |
| | GX340* | K1 | HA2 | • | | 3 ⁵ / ₃₂ x 1 dia. | • | | 3900 | • | | • | DE | 6.9 | 78 |
| | GX340 | K1 | LX2 | • | | 2 ²³ / ₆₄ x 25 mm tapped M8 x 1.25 | | ◦ | 3900 | • | | • | DE | 6.9 | 77 |
| 13 | GX390* | K1 | QA2 | • | 3 ³ / ₆₄ x 1 dia. tapped ⅞ ₁₆ 24 UNF | | | 3900 | • | | • | DE | 6.9 | 69 | |
| | GX390 | K1 | QXC9 | • | | | | 3900 | • | | • | CY | 6.9 | 69 | |
| | GX390 | K1 | QAE2 | • | | | | 3900 | • | • | • | DE | 6.9 | 75 | |
| | GX390 | K1 | QNE2(2) | • | | | | 3900 | • | • | • | DE | 6.9 | 75 | |
| | GX390 | K1 | VA2 | • | | 4 ¹ / ₆₄ x 22.2 mm taper 2¼" per ft. | | | 3900 | • | | • | DE | 6.9 | 69 |
| | GX390 | K1 | VXE2 | • | | | | 3900 | • | • | • | DE | 6.9 | 75 | |
| | GX390 | K1 | HA2 | • | | 3 ¹⁵ / ₁₆ x 1 dia. | • | | 3900 | • | | • | DE | 6.9 | 78 |
| | GX390 | K1 | LX2 | • | | 2 ²³ / ₆₄ x 25 mm tapped M8 x 1.25 | | ◦ | 3900 | • | | • | DE | 6.9 | 77 |

NOTES: (1) 12V (AC)-50w. lamp coil (2) 10 amp charging
SD-Semi dry OB-Oil bath DE-Dual element CY-Cyclone W/O-Without *These models can also be ordered with inner-vent carburetors.

