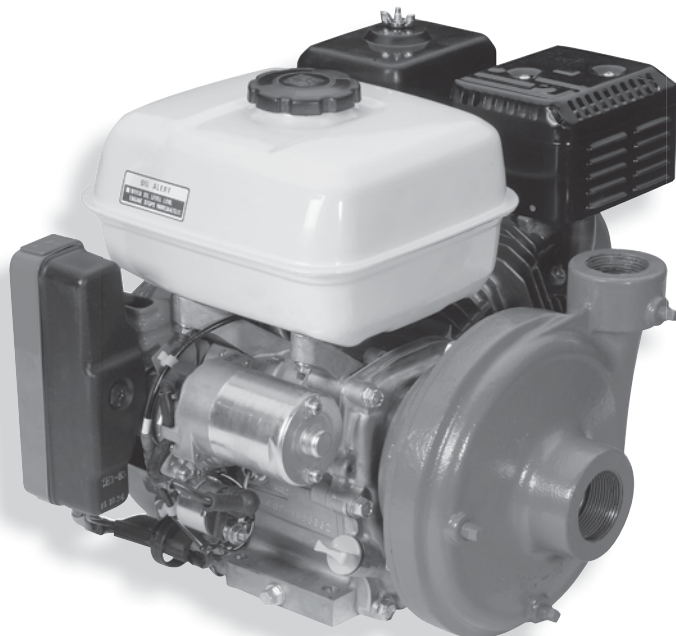




High Performance Gas Engine Driven Centrifugal Pump



Do not use with flammable liquids.

GE-660

- Suction 1-1/2" NPT x Discharge 1-1/4" NPT
- Maximum Pressure 115 PSI and Maximum Flow 110 GPM
- Impeller attaches directly to 3/4" keyed shaft on 5.5 HP engine
- Large vent area between pump and engine
- Standard Viton® Carbon/Ceramic seal or Optional Severe Duty Silicon Carbide Mechanical Seal
- Optional electric start engine
- Available Complete or Less Engine

GE-660-LE

Less Engine

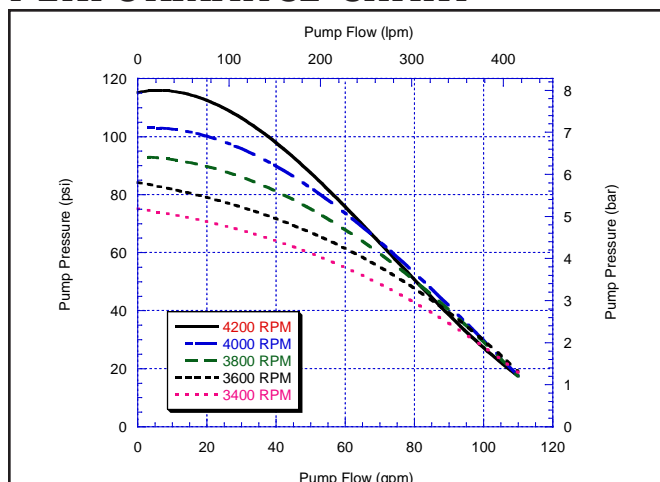
GE-660-HONDA

Pull start

GE-660-HONDA-ES

Electric start

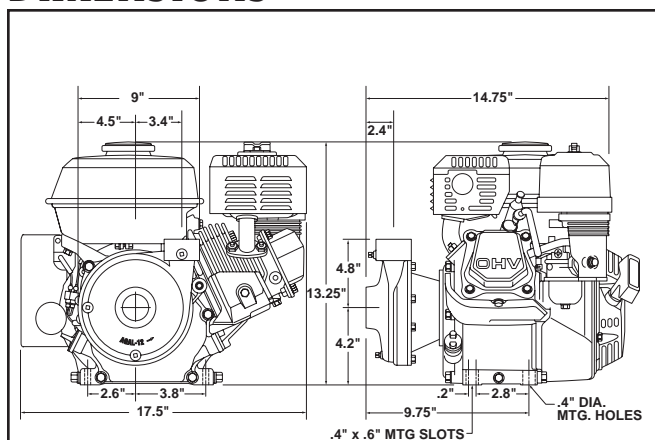
PERFORMANCE CHART



* Engine shaft speed at shut-off.

Performance data of pump mounted on Honda® GX-160.

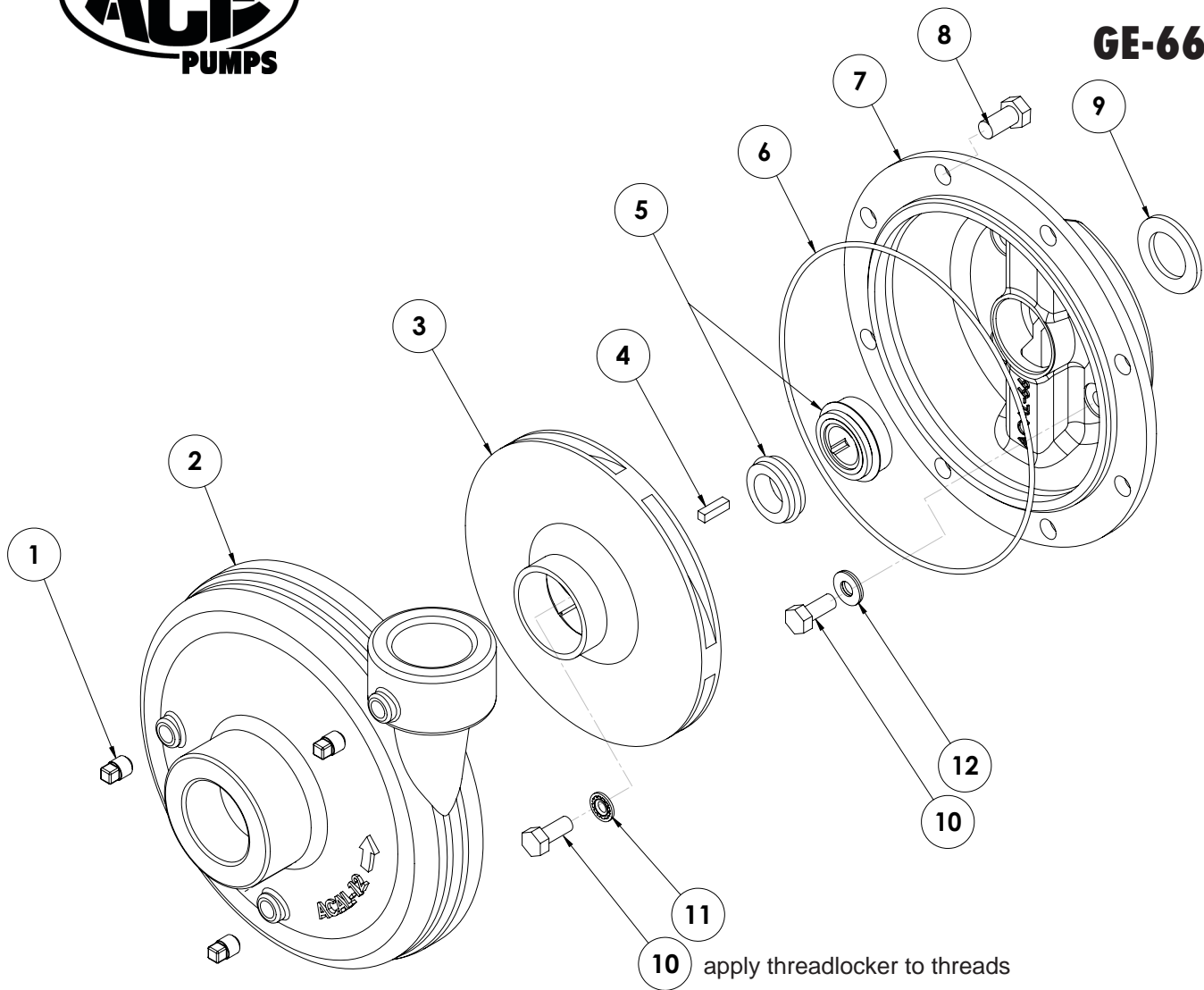
DIMENSIONS



Note: GE-660-HONDA-ES pictured. Dimensions may vary depending on make and size of engine. Use only for reference.



GE-660



10 apply threadlocker to threads

REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53	41110	Pipe plug, 1/8" NPT	3
1	41120	41120	Pipe plug, 1/8" NPT, stainless steel (optional)	3
2	ACAL-12	30161	Volute, 1 1/2" x 1 1/4", clockwise rotation	1
2	ACAL-12-EC	30196	Volute, 1 1/2" x 1 1/4", clockwise rotation, e-coated (optional)	1
3	ACAL-28-660	30171	Impeller, cast iron, 3/4" keyed shaft	1
3	ACAL-28-660-EC	30195	Impeller, cast iron, 3/4" keyed shaft, e-coated (optional)	1
4	41081	41081	Key, impeller, 3/16" x 3/16" x 3/4"	1
5 ^①	BAC-7-660V	30225	Seal, Type 6A-3/4, carbon/ceramic/Viton	1
5 ^②	BAC-7SC-660V	30226	Seal, Type 6A-3/4, silicon carbide/Viton	1
6 ^{①②}	BAC-4-150	40015	O-ring, volute seal	1
7	ACAL-66	30186	Bracket, GE-660 keyed shaft	1
7	ACAL-66-EC	30197	Bracket, GE-660 keyed shaft, e-coated (optional)	1
8	40950	40950	Cap screw, 3/8" NC x 3/4" hex head	8
8	40930	40930	Cap screw, 3/8"NC x 3/4", stainless steel (optional)	8
9	GE-54-660	42222	Slinger	1
10	GE-60-SS	42235	Cap screw, 5/16" NF x 3/4", stainless steel	5
11 ^{①②}	30031	30031	Washer, Stat-O-Seal®, 5/16" ID, impeller attachment (effective Oct. 2011)	1
12 ^{①②}	30028	30028	Washer, sealing, 5/16" ID, bracket attachment	4
* ^{①②}	30035	30035	Threadlocker, removable	-
*	42062	42062	Engine, 5.5 HP Honda, pull start, (GX160UT1QX2)	1
*	42064	42064	Engine, 5.5 HP Honda, electric start, (GX160K1QXE2)	1
①	RK-GE-660	61162	Repair kit	-
②	RK-GESC-660	61167	Repair kit with silicon carbide shaft seal	-

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Stat-O-Seal® is a registered trademark of Parker Hannifin Corp.

Honda® is a registered trademark of American Honda Motor Company.

Loctite® is a registered trademark of Henkel Corporation.



NOTE: Refer to the engine Owner's Manual for proper operation and safety precautions.

ASSEMBLY INSTRUCTIONS CONTINUE ON FOLLOWING PAGE



SEAL REPLACEMENT INSTRUCTIONS

- 9) Place the BAC-4-150 housing seal O-ring onto the ACAL-66 pump bracket around the pilot.
- 10) Install ACAL-12 volute to ACAL-66 bracket with (8) 40950 3/8" cap screws.
Note: Apply removable threadlocker (Ex. Loctite® 242) to the bolt threads at the discharge throat to prevent leakage. Tighten bolts to 20 foot pounds of torque.
- 11) Pump assembly complete. Allow proper cure time for removable threadlocker to cure (minimum of 10 minutes).
- 12) Follow engine manufacturers instructions for engine startup procedures.

Disassembly:

- 1) Remove (8) 40950 3/8" cap screws.
- 2) Remove ACAL-12 volute.
- 3) Remove the GE-60-SS 5/16" cap screw and 30031 Stat-O-Seal® washer from inside the impeller suction port. A screwdriver or file may be placed in an impeller vane to prevent rotation during removal. Discard the used Stat-O-Seal® washer.
- 4) Remove the impeller from the shaft by prying on opposite sides between the bracket and impeller. If the impeller is difficult to remove:
 - a. Spray joint between impeller and shaft with penetrating oil.
 - b. Install a 5/16"-24 x 2" cap screw into the engine shaft.
 - c. Remove the impeller using a 3 jaw puller(7" spread, 3-1/4" reach).
 - d. Remove the 2" cap screw.
- 5) Remove the rotating seal face from the impeller hub by prying with a screwdriver inside the seal ID. Verify that the key is in place in the impeller keyway.
Note: If the key is loose apply silicone and reinstall in the keyway.
- 6) Clean the impeller bore and install the new seal face with the smooth side facing out.
Caution: Be careful not to touch or contaminate the seal face.
- 7) Remove the ACAL-66 bracket from the engine by removing (4) GE-60-SS 5/16" cap screws and (4) 30028 sealing washers. Discard the used sealing washers.
- 8) Turn the bracket over and press or tap out the stationary seal.
- 9) Clean the seal bore. Apply silicone or permatex to the OD of the seal cup. Press or tap the seal cup evenly into the seal bore with a 1-1/2" pipe nipple.
Caution: Be careful not to touch or contaminate the seal face.
- 10) Refer to the pump assembly instructions on the prior page for re-assembly.