

# Self Priming Centrifugal Pump

## Models 82E-GX270 and 82E2-GX270

### Size 2" x 2"



| Total Head          |      | Capacity Of Pump In U.S. Gallons Per Minute (GPM) At Continuous Performance |            |            |            |           |
|---------------------|------|---|------------|------------|------------|-----------|
| P.S.I.              | Feet |   |            |            |            |           |
| 58.0                | 135  | 46  | 46         | 46         | 46         | 46        |
| 52.0                | 120  | 76  | 96         | 102        | 102        | 102       |
| 43.4                | 100  | 80  | 111        | 139        | 156        | 158       |
| 34.7                | 80   | 80  | 115        | 142        | 172        | 190       |
| 26.0                | 60   | 81  | 117        | 144        | 176        | 202       |
| 17.5                | 40   | 81  | 118        | 145        | 178        | 209       |
| 8.7                 | 20   | 81  | 118        | 146        | 179        | 213       |
| <b>Suction Lift</b> |      | <b>25'</b>  | <b>20'</b> | <b>15'</b> | <b>10'</b> | <b>5'</b> |



#### PUMP SPECIFICATIONS

**Size:** 2" x 2" (51 mm x 51 mm) NPT - Female.

#### Casing:

**(82E-GX270)** Aluminum Alloy 356-T6  
w/Gray Iron 30 Cutwater Insert.

**(82E2-GX270)** Gray Iron 30.

Maximum Operating Pressure 94 psi (648 kPa).\*

**Semi-Open Type, Four Vane Impeller:** Gray Iron 30.

Handles 3/4" (19,1 mm) Diameter, Spherical Solids.

**Replaceable Wear Plate:** Carbon Steel ASTM A36.

**Intermediate Bracket:** Gray Iron 30.

**Seal:** Double, Grease-Lubricated w/Spring-Loaded Grease Cup. Sintered Bronze Stationary Seal Seats. Steel Rotating Faces. Neoprene Packing Rings. Maximum Temperature of Liquid Pumped, 110°F (43°C). Maximum Suction Pressure 10 psi (69 kPa).\*

**Seal Liner:** Copper Alloy C26000.

**Flap Valve:** Buna-N w/Nylon Reinforcement, Gray Iron 30 and Sintered Powdered Steel.

#### Suction Flange:

**(82E-GX270)** Aluminum Alloy 356-T6.

**(82E2-GX270)** Gray Iron 30.

**Gaskets:** Vegetable Fiber.

**Hardware:** Standard Plated Steel.

**Standard Equipment:** Roll Cage w/Rubber Feet. Strainer. 90° Discharge Elbow.

**Optional Equipment:** Wheel Kit w/Semi-Pneumatic Tires.

\*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.



#### ENGINE SPECIFICATIONS:

**Model:** Honda GX270

**Type:** Single Cylinder, Four Cycle, Air Cooled, Overhead Valve, Gasoline Engine.

**Displacement:** 16.5 Cu. In. (270 cc).

**Carburetor:** Horizontal Type.

**Cylinder:** Aluminum Alloy w/Cast Iron Liner.

**Lubrication:** Splash System.

**Air Cleaner:** Dry Type, Dual Element.

**Fuel Tank:** 1.4 U.S. Gallons (5,3 Liters)

**Full Load Operating Time:** Unavailable.\*\*

**Ignition System:** Transistorized Magneto.

**Standard Equipment:** Muffler w/Guard.

Manual Throttle Control with Top Speed Limit. Manual Choke. "Oil Alert™" Low Oil Shut Down.

\*\* Fuel Consumption Data Not Available From Engine Manufacturer.



## GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

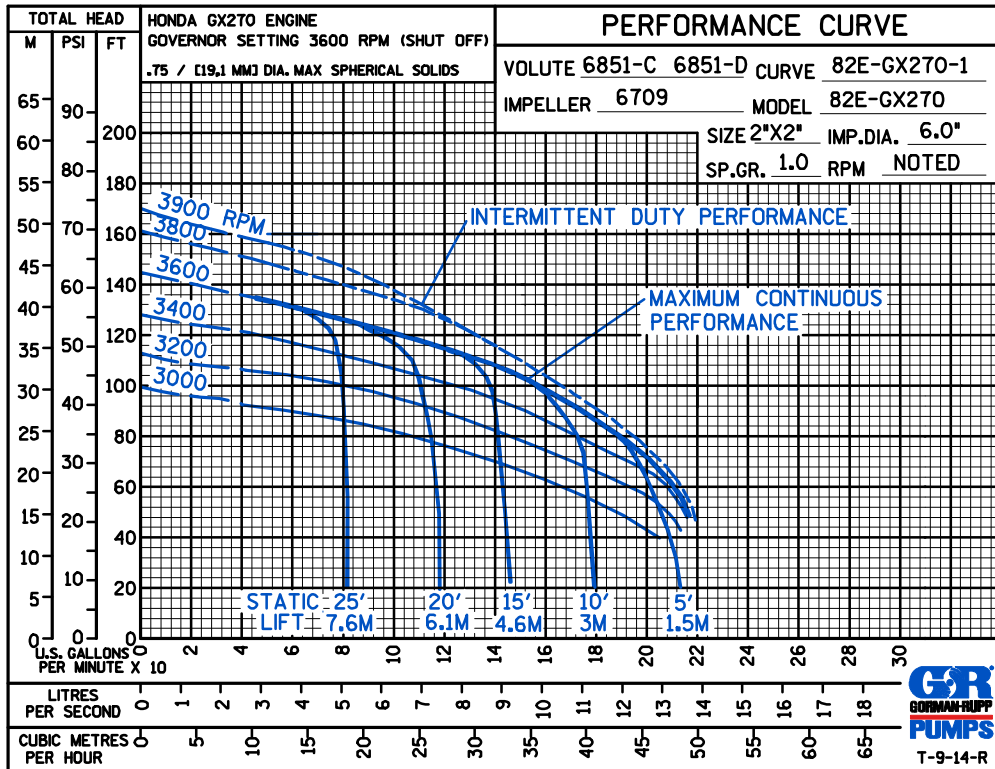
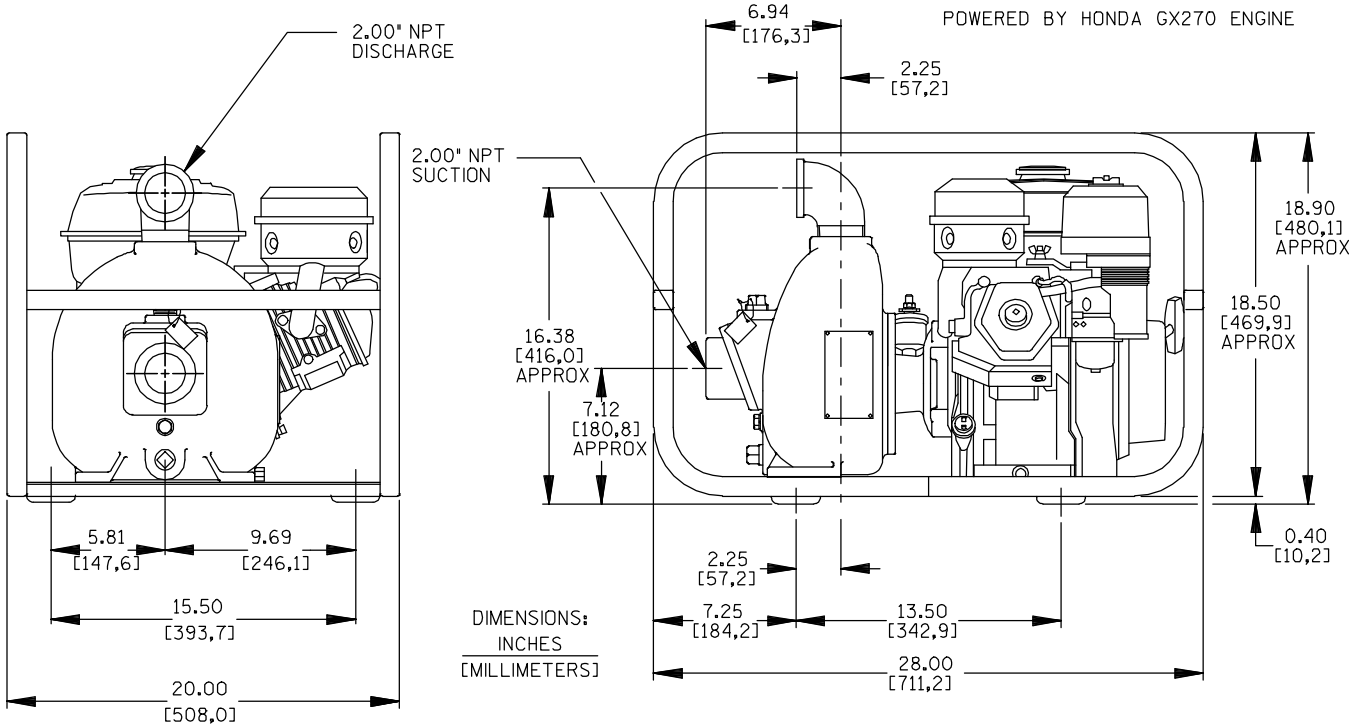
Printed in U.S.A.

**Specification Data**

SECTION 40, PAGE 675

APPROXIMATE DIMENSIONS and WEIGHTS

|   |                          |                   |
|---|--------------------------|-------------------|
| <b>MODEL</b>  | <b>82E</b>               | <b>82E2</b>       |
| <b>NET WEIGHT:</b>  | 118 LBS. [54 KG.]        | 148 LBS. [67 KG.] |
| <b>SHIPPING WEIGHT:</b>   | 130 LBS. [59 KG.]        | 160 LBS. [73 KG.] |
| <b>EXPORT CRATE SIZE:</b>   | 7.0 CU. FT. [.20 CU. M.] |                   |
| <b>WHEEL KIT ADD 25 LBS. (11,3 KG.); CRATE (SEPARATE) 3 CU.FT. (0,1 CU. M.)</b> |                          |                   |



**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.