

Gasoline Engine Driven

# Self Priming Centrifugal Pump

Models 13D-GX270 and 13D1-GX270

Size 3" x 3"



| Total Head          |      | Capacity Of Pump In U.S. Gallons Per Minute (GPM) At Continuous Performance |            |            |            |           |
|---------------------|------|---|------------|------------|------------|-----------|
| P.S.I.              | Feet |   |            |            |            |           |
| 35.9                | 83   | 87  | 87         | 87         | 87         | 87        |
| 34.7                | 80   | 100   | 140        | 149        | 150        | 150       |
| 30.3                | 70   | 138   | 182        | 205        | 205        | 205       |
| 26.0                | 60   | 165   | 210        | 242        | 255        | 258       |
| 21.7                | 50   | 177   | 227        | 266        | 292        | 302       |
| 17.3                | 40   | 182   | 240        | 282        | 315        | 335       |
| 13.0                | 30   | 184   | 249        | 292        | 328        | 356       |
| 8.7                 | 20   | 185   | 252        | 300        | 338        | 370       |
| <b>Suction Lift</b> |      | <b>25'</b>  | <b>20'</b> | <b>15'</b> | <b>10'</b> | <b>5'</b> |



**PUMP SPECIFICATIONS**

- Size:** 3" x 3" (76 mm x 76 mm) NPT - Female.
- Casing:** Aluminum Alloy 356-T6 w/Gray Iron 30 Cutwater Insert.  
Maximum Operating Pressure 66 psi (455 kPa).\*
- Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12.  
Handles 1 1/2" (38,1 mm) Diameter Spherical Solids.
- Replaceable Wear Plate:** Carbon Steel ASTM A36.
- Removable Cover Plate:** Aluminum Alloy 356-T6; 4 lbs. (1.8 kg.).
- Intermediate Bracket:** Aluminum Alloy 356-T6.
- Seal:**
  - (13D)** 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).\*
  - (13D1)** Type 31, Mechanical, Self-Lubricated. Silicon Carbide Rotating and Stationary Faces. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).\*
- Seal Liner: (13D)** Copper Alloy C26000.
- Shaft Sleeve: (13D1)** Alloy Steel 4130.
- Flap Valve:** Buna-N w/Nylon Reinforcing; Steel and Brass.
- Suction Flange:** Aluminum Alloy 356-T6.
- Gaskets:** Cork w/Nitrile Binder (NC710).
- O-Ring:** Buna-N.
- Hardware:** Standard Plated Steel.
- Roll Cage with Rubber Feet.**
- 90° Discharge Elbow.**
- Strainer.**

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

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

**WARNING!**

Do not use in explosive atmosphere or for pumping volatile flammable liquids.

**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

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Specifications Subject to Change Without Notice

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