



# Priming Assisted Centrifugal Pump

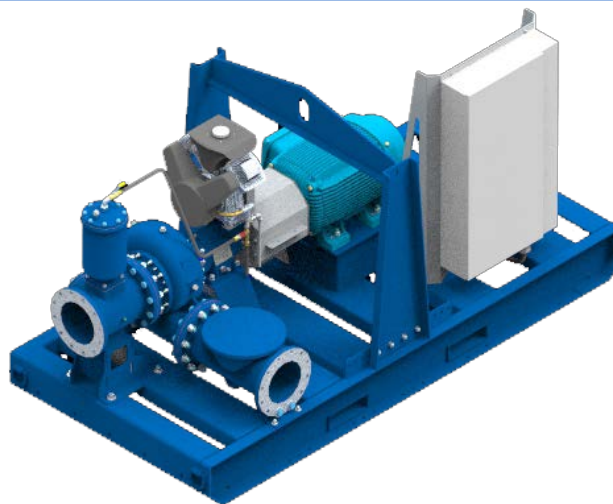
## Model PA10A60C-B-E100 460/3

## and PA10A60C-B-E100 575/3

### Size 10" x 10"



| Total Head          |      | Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance |            |            |            |           |
|---------------------|------|-----------------------------------------------------------------------------|------------|------------|------------|-----------|
| P.S.I.              | Feet |                                                                             |            |            |            |           |
| 49.4                | 114  | 1000                                                                        | 1000       | 1000       | 1000       | 1000      |
| 47.7                | 110  | 1220                                                                        | 1220       | 1220       | 1220       | 1220      |
| 43.3                | 100  | 1660                                                                        | 1820       | 1820       | 1820       | 1820      |
| 39.0                | 90   | 1860                                                                        | 2260       | 2560       | 2560       | 2560      |
| 34.7                | 80   | 1930                                                                        | 2460       | 2940       | 3080       | 3080      |
| 30.3                | 70   | 1980                                                                        | 2540       | 3050       | 3440       | 3480      |
| 26.0                | 60   | 2020                                                                        | 2580       | 3100       | 3600       | 3720      |
| 21.7                | 50   | 2060                                                                        | 2610       | 3140       | 3680       | 3880      |
| 17.3                | 40   | 2100                                                                        | 2640       | 3180       | 3720       | 3980      |
| 13.0                | 30   | 2140                                                                        | 2670       | 3220       | 3760       | 4040      |
| 8.7                 | 20   | 2180                                                                        | 2700       | 3260       | 3800       | 4100      |
| <b>Suction Lift</b> |      | <b>24'</b>                                                                  | <b>20'</b> | <b>15'</b> | <b>10'</b> | <b>5'</b> |



### PUMP SPECIFICATIONS

**Size:** 10" x 10" (254 mm x 254 mm) Flanged.

**Casing:** Ductile Iron 65-45-12.

Maximum Operating Pressure 84 psi (579 kPa).\*

**Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12.

Handles 3.25" (82.6 mm) Diameter Spherical Solids.

**Suction Spool:** Ductile Iron 65-45-12.

**Impeller Shaft:** Stainless Steel 17-4 PH.

**Replaceable Wear Ring:** Ductile Iron 80-55-06.

**Intermediate:** Gray Iron 30.

**Seal Plate:** Gray Iron 30.

**Seal:** Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon (DuPont Viton® or Equivalent) Elastomers. Stainless Steel 316 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).\*

**Discharge Check Valve:** Ductile Iron Housing w/Welded Nickel Seat and Buna-N Flapper.

**Priming Chamber:** Gray Iron 30 Housing w/Stainless Steel Float and Linkage.

**Radial Bearing:** Open Single Row Ball.

**Thrust Bearing:** Open Double Row Ball.

**Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.

**Gaskets:** Resistant Synthetic Rubber and Vegetable Fiber.

**O-Rings:** Buna-N.

**Hardware:** Standard Plated Steel.

**Bearing and Seal Cavity Oil Level Sight Gauges.**

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

**Standard Equipment:** Belt-Driven Air Compressor. Hoisting Bail. Skid Base.

**Optional Equipment:** Suction Vacuum and Discharge Pressure Gauge Kit. Variable Frequency Controller. EPS w/ Submersible Transducer Liquid Level Sensor.

\*\*50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.



### MOTOR SPECIFICATIONS†

**Type:** Totally Enclosed Fan Cooled.

**Frame Size:** 404/5T.

**Power:** 100 H.P. (75 kW).

**Hz:** 60.

**S.F.:** 1.15.

**Speed:** 1800 RPM Nominal.

**Locked Rotor kVA Code:** G.

**Bearings:** Roller Type.

**Model PA10A60C-B-E100 460/3**

**Voltage/Phase:** 460/3.

**Full Load Amps:** 118.

**Model PA10A60C-B-E100 575/3**

**Voltage/Phase:** 575/3.

**Full Load Amps:** 97.5.

### CONTROL SPECIFICATIONS

Pump control with NEMA Type 3R Rain and Sleet (Ice) Resistant Enclosure. Carbon Steel with Powder Coat, Liquid Level Circuit, Elapsed Time Meter, Hand Off/Auto Switch Control with Reduced Voltage Soft Starters and 250 Amp Circuit Breaker.

† Standard Specifications Shown. Alternate Motors Available - Consult Factory.



## GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

Printed in U.S.A.

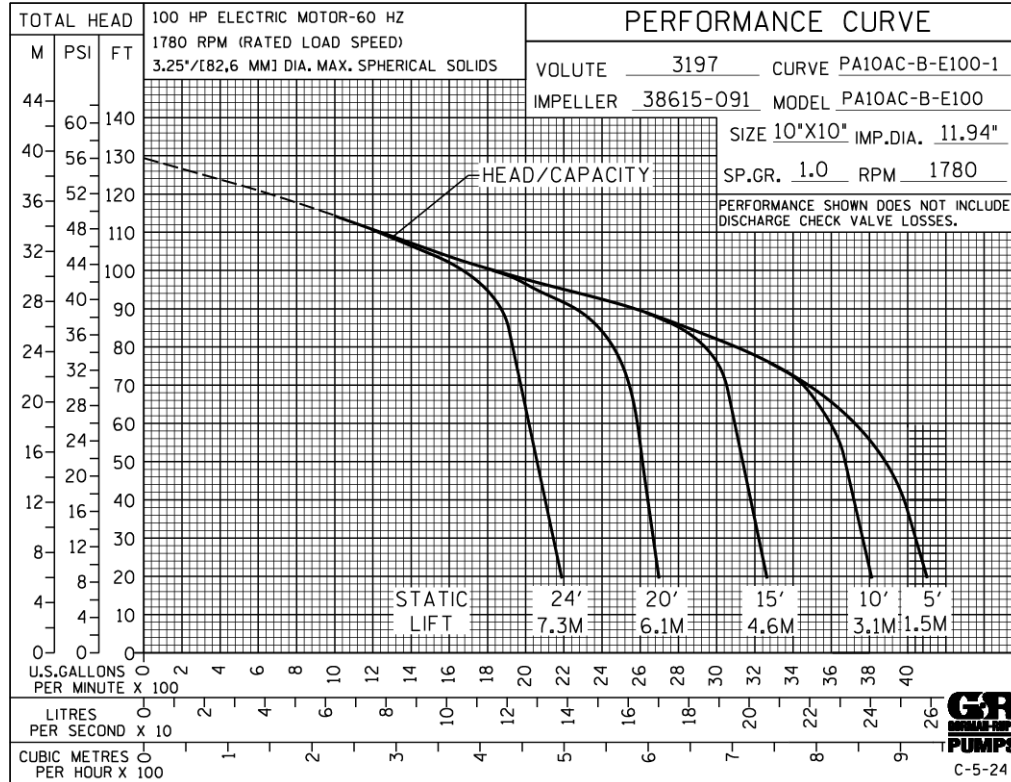
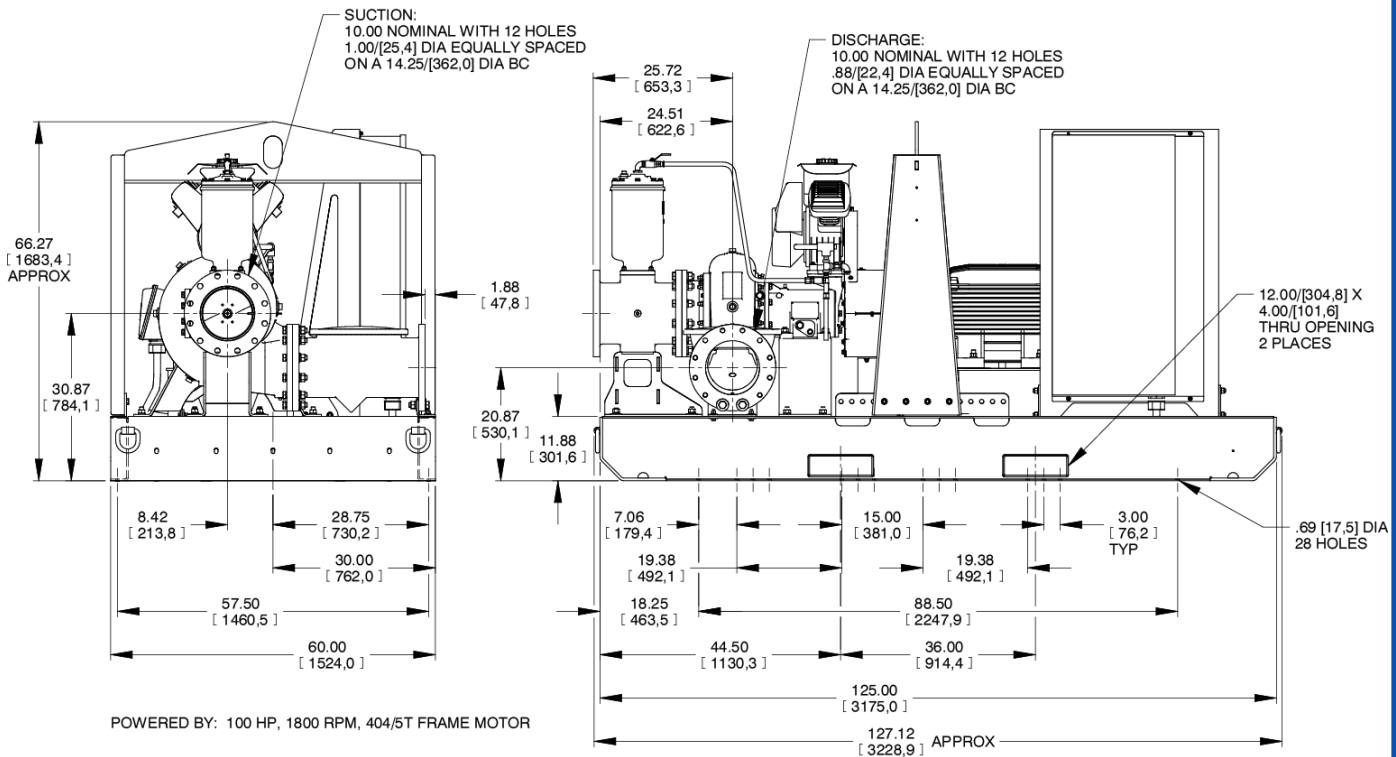
## Specification Data

SECTION 42, PAGE 1402

APPROXIMATE  
DIMENSIONS and  
WEIGHTS

### SKID BASE

NET WEIGHT: 4705 LBS. (2134 KG.)  
SHIPPING WEIGHT: 5115 LBS. (2320 KG.)  
EXPORT CRATE SIZE: 316 CU. FT. (8,9 CU. M.)



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