



## Self-Priming Utility Pumps

### Model 81 1/4B3-E.33 1P

- **Cast Iron Construction**
- **Copper Alloy No. C83600 Impeller Handles 5/16" Solids**
- **1-1/4" NPT Suction and Discharge Ports**
- **1/3 HP ODP Motor with 8 ft. 115vac Power Cord**
- **Includes Float Switch and Strainer**
- **Built-in Flap Valve, Brass, Buna-n, and Nylon**
- **Maximum Suction Lift is 20 ft.**
- **Maximum Operating Pressure is 26 PSI**
- **Maximum Temperature is 160° F**
- **Viton® Mechanical Seal**

Model 81 1/4B3-E.33 1P is designed for applications requiring high volume, low pressure, sump or liquid transfer. The copper alloy semi-open impeller handles solids to 5/16" diameter. Built-in Flap/Check valve enables consistent self-priming to 20 ft. Included with the pump are a suction strainer, float switch, and an eight foot power cord. Motor is 1/3 horsepower.

### Model 80E:

- **Aluminum Construction**
- **Plastic Impeller Handles 1/4" Solids**
- **3/4" NPT Suction and Discharge Ports**
- **1/2 HP 7500 RPM ODP Motor with Replaceable Brushes and 8 ft. 115vac Power Cord**
- **Includes Two (2) Garden Hose Adapters and Strainer**
- **Buna-N Gaskets**
- **Maximum Suction Lift is 15 ft.**
- **Built-in Carry Handle**
- **Maximum Operating Pressure is 83 PSI**
- **Maximum Temperature is 160° F**
- **Mechanical Seal**

Model 80E is designed for portability and ease of operation. Built-in carry handle for ease of transport, suction strainer, and two (2) 3/4" garden hose adapters included. Ideally suited for wash down, emergency water supply, swimming pool/spa tub drainage, storm drainage, and many other water transfer applications. Self-cleaning, semi-open plastic impeller handles solids to 1/4" diameter. Pump is coupled to a 1/2 horsepower, 115V AC motor with replaceable brushes. Eight foot moisture proof power cord included.

\*Viton® is a registered trademark of DuPont

## PREMIUM HEAVY DUTY

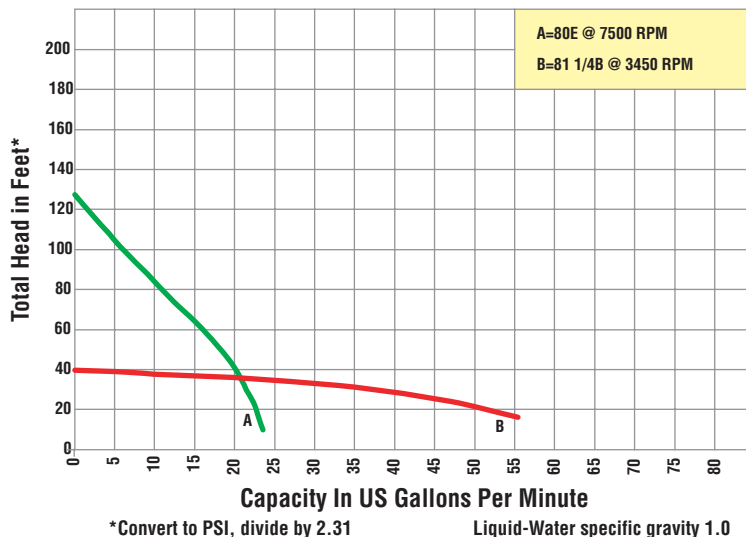


**Model 81 1/4B3-E.33 IP**

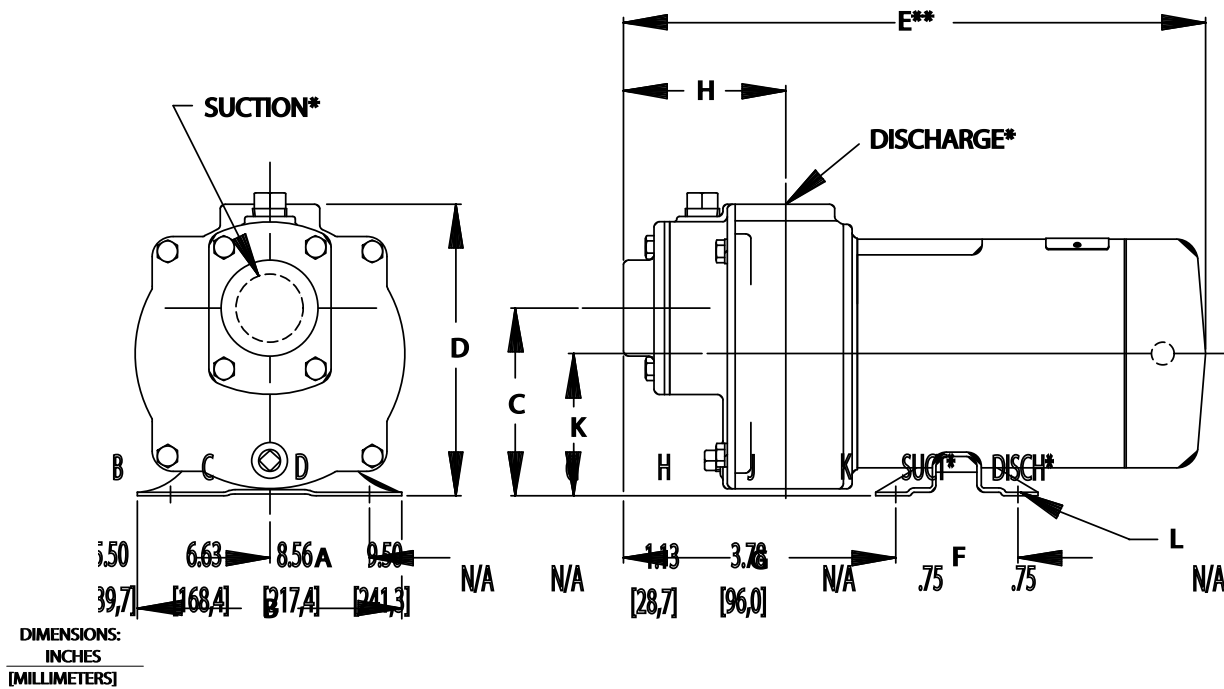


**Model 80E**

### Composite of Performance Curves



# Self-Priming Utility Pumps



| MODEL            | A              | B               | C               | D               |                  |                | G               | H               | J              | K              | SUCT* | DISCH* |                                          |
|------------------|----------------|-----------------|-----------------|-----------------|------------------|----------------|-----------------|-----------------|----------------|----------------|-------|--------|------------------------------------------|
| 80E              | 3.00<br>[76,2] | 5.50<br>[139,7] | 6.63<br>[168,4] | 8.56<br>[217,4] | 9.50<br>[241,3]  | N/A            | N/A             | 1.13<br>[28,7]  | 3.78<br>[96,0] | N/A            | .75   | .75    | N/A                                      |
| 81 1/4B3-E.33 1P | 2.44<br>[62,0] | 6.50<br>[165,1] | 4.62<br>[117,3] | 7.19<br>[182,6] | 14.32<br>[363,7] | 3.00<br>[76,2] | 6.69<br>[169,9] | 4.00<br>[101,6] | 3.25<br>[82,6] | 3.50<br>[88,9] | 1.25  | 1.25   | 1.22/[31,0] X .34/[8,6]<br>SLOT 4 PLACES |

(\*) STANDARD NPT PIPE THREADS.

(\*\*) DIMENSION MAY VARY WITH MOTOR MANUFACTURER.

## Standard Features - 81 1/4

- Cast iron construction with copper alloy impeller
- 1-1/4" NPT suction and discharge ports
- 1/3 HP ODP Motor with 8 ft. 115 vac power cord
- Includes float switch and strainer
- Built-in flap valve
- Maximum suction lift is 20 feet
- Maximum operating pressure is 26 PSI
- Maximum temperature 160° F
- Viton®\* mechanical seal
- “Off-the-Shelf” availability

## Standard Features - 80E

- Aluminum construction with plastic impeller
- 3/4" NPT suction and discharge ports
- 1/2 HP 7500 RPM ODP Motor with 8 ft. 115vac power cord
- Includes two (2) garden hose adapters and strainers
- Buna-N gaskets and mechanical seals
- Maximum suction lift is 15 ft.
- Built-in carry handle
- Maximum Operating pressure is 83 PSI
- Maximum temperature 160° F
- “Off-the-Shelf” availability

| Model No.        | Description/ Type of Pump  | Ship Wt (Lbs.) | Driver Type & HP     | Port size Suc x dis (NPT) | Basic Construction | Seal Type & Elastomer/ Faces | VAC     | FL Amps | Motor Enclosure |
|------------------|----------------------------|----------------|----------------------|---------------------------|--------------------|------------------------------|---------|---------|-----------------|
| 81 1/4B3-E.33 1P | Self-Priming Utility Pumps | 42             | Elect. Motor 0.33 hp | 1 1/4" x 1 1/4"           | Gray Iron          | Viton®* Carbon Ni-Resist     | 115/230 | 60hz    | ODP             |
| 80E              | Self-Priming Utility Pumps | 15             | Elect. Motor 0.5 hp  | 3/4" x 3/4"               | Aluminum           | Mechanical                   | 115V    | 60hz    | ODP             |

\*Viton® is a registered trademark of DuPont



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

The Gorman-Rupp Company reserves the right to discontinue any model or change specifications at any time without incurring any obligation.