

# STA-RITE® PD Series

Corrosion-resistant self-priming sprinkler pumps



Quick priming PD Series Pumps feature lightweight construction in a self-priming design. These models offer a stronger pump body with reinforcement ribs and also a new 2" suction that is designed for the professional pump contractor.

## APPLICATIONS

Lawn and landscape sprinkling; self-priming out of tanks or cisterns.  
Light chemical transfer for compatible fluids.

## ORDERING INFORMATION

| Catalog Number | HP    | Pipe Tapping Sizes |           | Motor Voltage | Approx. Wt. Lbs. |
|----------------|-------|--------------------|-----------|---------------|------------------|
|                |       | Suction            | Discharge |               |                  |
| PD2HE          | 1     | 2"                 | 1-1/2"    | 115/230       | 38               |
| PD2HF          | 1-1/2 | 2"                 | 1-1/2"    | 115/230       | 41               |
| PDHG           | 2     | 2"                 | 2"        | 115/230       | 52               |
| PDHHG          | 2-1/2 | 2"                 | 2"        | 115/230       | 54               |

NOTE: All motors are shipped from the factory set at 230 volt.

## SPECIFICATIONS

**Body and Base:** Fiberglass-reinforced thermoplastic

**Impeller:** Engineered polymer

**Diffuser:** Polypropylene

**Shaft:** 300 grade stainless steel

## FEATURES

**Quality Construction:** Fiberglass-reinforced thermoplastic provides total corrosion resistance and high resistance to sandy water.

**Lightweight Design:** Space-age materials make these pumps more portable than conventional cast iron pumps.

**Composite Impeller:** Highest performance and efficiency from ultra-smooth materials Precision-Molded for perfect balance.

**Easily Serviced:** Normal wearing parts are easily accessible for service and replacement, without disturbing piping or mounting.

**Dustproof Cover:** Electrical components protected from dust and insects.

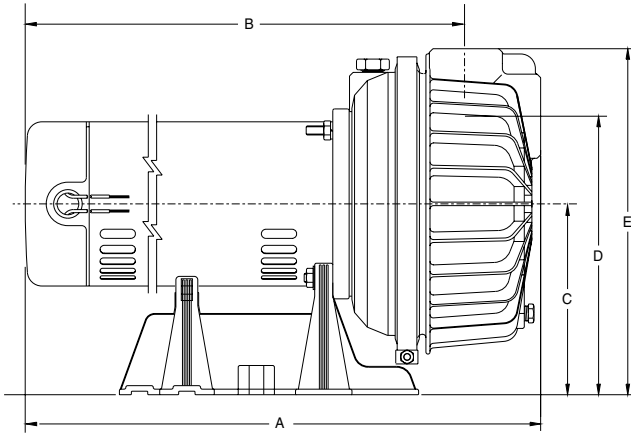
**Heavy-Duty Motor:** Heavy-duty 1 through 2-1/2 HP motors. Designed for continuous operation. Stainless steel shaft.

**Dual Voltage Capability:** 1 and 1-1/2 HP motors have dual voltage motors and are shipped at the 230-volt setting. 2 and 2-1/2 HP are 230-volt setting only.

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## OUTLINE DIMENSIONS



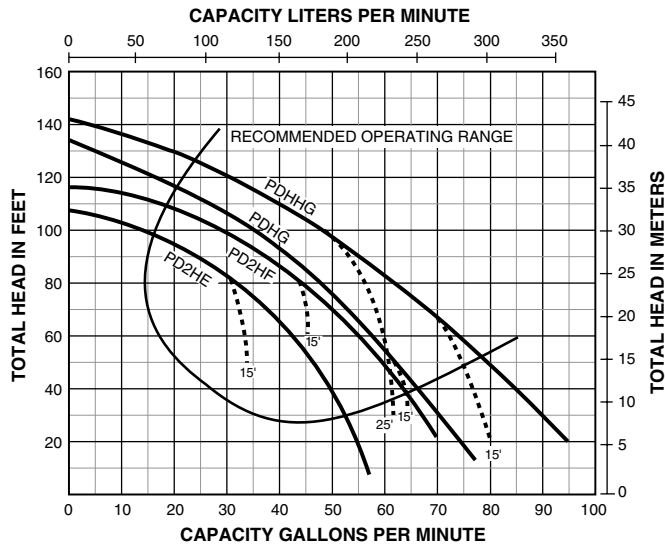
| Catalog Number | A      | B       | C      | D      | E        |
|----------------|--------|---------|--------|--------|----------|
| PD2HE          | 17-5/8 | 15-1/8  | 6-9/16 | 9-9/16 | 11-13/16 |
| PD2HF          | 18-3/4 | 16-1/4  | 6-9/16 | 9-9/16 | 11-13/16 |
| PDHG           | 20     | 16-3/16 | 6-9/16 | 8-7/8  | 12-3/8   |
| PDHGG          | 20     | 16-3/16 | 6-9/16 | 8-7/8  | 12-3/8   |

Dimensions (in inches) are for estimating purposes only.

## PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)

| Disch. Press. PSI | PD2HE                |     |     |     |     | PD2HF |     |     |     |     | PDHG |     |     |     |     | PDHGG |     |     |     |     |
|-------------------|----------------------|-----|-----|-----|-----|-------|-----|-----|-----|-----|------|-----|-----|-----|-----|-------|-----|-----|-----|-----|
|                   | Distance Above Water |     |     |     |     |       |     |     |     |     |      |     |     |     |     |       |     |     |     |     |
|                   | 5'                   | 10' | 15' | 20' | 25' | 5'    | 10' | 15' | 20' | 25' | 5'   | 10' | 15' | 20' | 25' | 5'    | 10' | 15' | 20' | 25' |
| 10                | 53                   | 52  | 50  | 48  | 46  | 67    | 66  | 64  | 61  | 59  | 70   | 69  | 67  | 64  | 62  | 90    | 88  | 86  | 82  | 80  |
| 20                | 45                   | 42  | 39  | 37  | 35  | 59    | 56  | 54  | 50  | 47  | 61   | 59  | 56  | 53  | 50  | 79    | 76  | 72  | 70  | 65  |
| 30                | 35                   | 31  | 27  | 24  | 18  | 48    | 44  | 40  | 37  | 32  | 50   | 48  | 44  | 41  | 37  | 66    | 62  | 57  | 55  | 50  |
| 40                | 17                   | 10  |     |     |     | 31    | 26  | 20  | 10  |     | 36   | 33  | 25  | 23  | 19  | 50    | 45  | 42  | 37  | 32  |
| 50                |                      |     |     |     |     |       |     |     |     |     | 16   | 9   |     |     |     | 30    | 23  | 20  |     |     |

## PUMP PERFORMANCE



NOTE: Dotted lines indicate performance reduction at high suction lift.

