

Self-Priming Centrifugal Pedestal Pumps



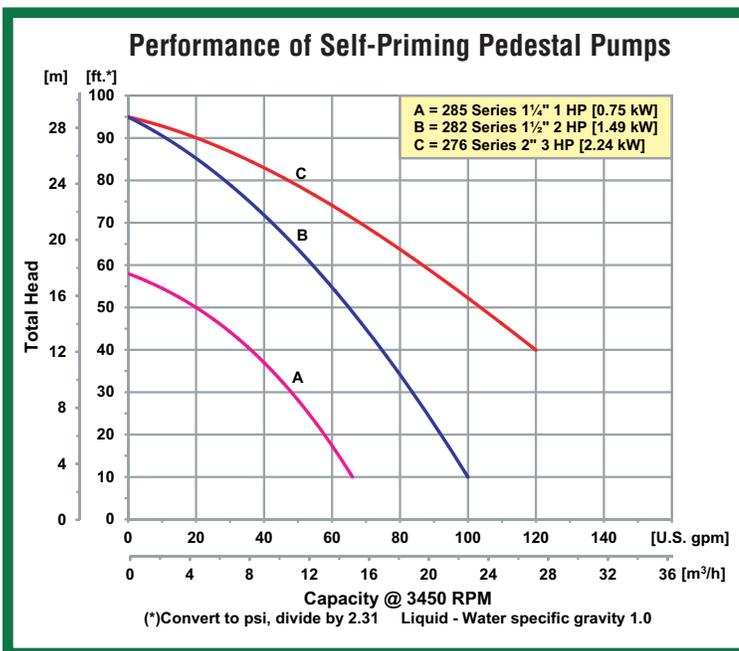
Model 2760-99



Model 2850-99

AMT Self-Priming Centrifugal Pedestal pumps are designed for a wide range of industrial, agricultural and commercial applications. Dual volute design reduces radial load on bearings and motor. Heavy duty cast iron construction with Buna-N seals or stainless steel with Viton® seals. Pumps are fitted with a self-cleaning, semi-open impeller and are coupled to a heavy duty cast iron bearing housing with a CNC machined keyed shaft extension and sealed ball bearings. The pump has been designed for either direct connection or belt drive. The maximum recommended RPM is 4,000.

- **Cast Iron & Stainless Steel Construction**
- **Buna-N Mechanical Seals on Cast Iron Models**
- **Viton® Mechanical Seals on Stainless Steel Models**
- **Optional Silicon Carbide Mechanical Seals Available**
- **1-1/4", 1-1/2" or 2" NPT Suction and Discharge Port Sizes**
- **Dual Volute Design Reduces Radial Load on Motors**
- **Maximum Temperature**
 - ◆ **Buna-N 180° F**
 - ◆ **Viton® 200° F**
- **Self-Cleaning, Semi-Open Impeller**
- **Heavy Duty Cast Iron Pedestal Drive with Sealed Ball Bearings**



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For use with nonflammable liquids compatible with pump component materials. Viton® and Teflon® are registered trademarks of E. I. DuPont.

Pump Dimensional & Specification Data

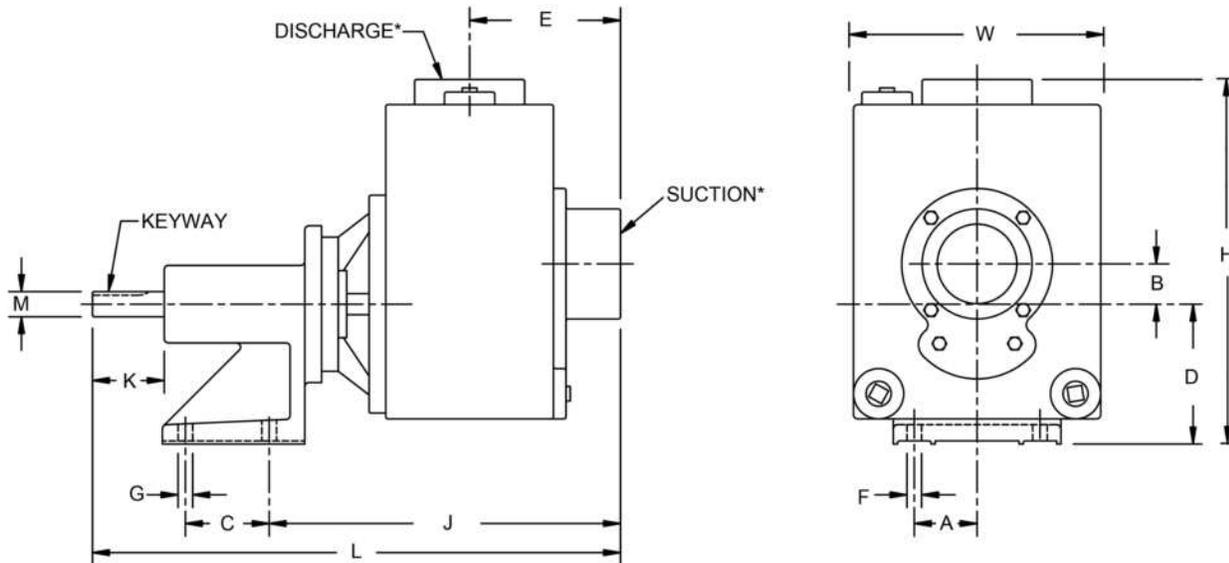
| Model | A | B | C | D | E | F | G | J | K | M (Dia.) | L | W | H |
|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-------------|-----------|----------|-------------|------------|-------------|
| 2850-99 | 1.7 [4.3] | 2.4 [6.1] | N/A | 3.2 [8.1] | 2.8 [7.1] | 0.7 [1.7] | 0.5 [1.2] | 8.4 [21.3] | 1.3 [3.3] | 5/8 | 11.8 [29.9] | 5.8 [14.7] | 6.8 [17.2] |
| 2820-98 | 1.8 [4.5] | 0.4 [1.0] | 3.0 [7.6] | 4.2 [10.6] | 3.5 [8.8] | 0.4 [1.0] | 0.4 [1.0] | 9.1 [23.1] | 2.1 [5.3] | 3/4 | 11.1 [28.1] | 7.5 [19.0] | 9.3 [23.6] |
| 2820-99 | 2.2 [5.5] | 0.4 [1.0] | N/A | 4.5 [11.4] | 3.5 [8.8] | 0.7 [1.7] | 0.5 [1.2] | 7.1 [18.0] | 1.3 [3.3] | 5/8 | 11.1 [28.1] | 7.5 [19.0] | 9.6 [24.3] |
| 2760-99 | 1.8 [4.5] | 1.2 [3.0] | 2.5 [6.3] | 4.1 [10.4] | 4.5 [11.4] | 0.4 [1.0] | 0.4 [1.0] | 10.4 [26.4] | 1.1 [2.7] | 3/4 | 15.7 [39.8] | 7.5 [19.0] | 10.8 [27.4] |
| 2761-99 | 1.8 [4.5] | 1.2 [3.0] | 3.0 [7.6] | 4.2 [10.6] | 4.5 [11.4] | 0.4 [1.0] | 0.4 [1.0] | 10.4 [26.4] | 2.1 [5.3] | 3/4 | 15.7 [39.8] | 7.5 [19.0] | 10.9 [27.6] |

NOTE: Dimensions are in inches (centimeters) and have a tolerance of $\pm 1/8"$.

Maximum Solids Handling Capacity: 3/8" Diameter

| Model | Curve | SUC* | DIS* | Keyway | Minimum BHP Required @ 3450 RPM | Construction Material | Ship Wt. (Lbs.) |
|---------|-------|--------|--------|----------------|---------------------------------|-----------------------|-----------------|
| 2850-99 | A | 1 1/4" | 1 1/4" | 3/16" x 1" | 1 | Cast Iron | 23 |
| 2820-99 | B | 1 1/2" | 1 1/2" | 3/16" x 1" | 2 | Cast Iron | 32 |
| 2820-98 | B | 1 1/2" | 1 1/2" | 3/16" x 1-7/8" | 2 | Stainless Steel | 32 |
| 2760-99 | C | 2" | 2" | 3/16" x 1-7/8" | 3 | Cast Iron | 48 |
| 2761-99 | C | 2" | 2" | 3/16" x 1-7/8" | 3 | Stainless Steel | 48 |

(*) Standard NPT (Female) pipe thread.



Standard Features

- Cast Iron & Stainless Steel Construction
- Mechanical Seal:
 - Cast Iron Buna-N
 - Stainless Steel Viton®
- Maximum Temperature:
 - Buna-N 180° F
 - Viton® 200° F
- 1-1/4", 1-1/2" or 2" NPT Suction and Discharge Port Sizes
- Maximum Working Pressure 75 PSI
- Solids Handling to 3/8" Diameter
- Built-In Check Valve on 1-1/2" & 2" Models
- Self-priming up to 20 Ft. @ 3450 RPM
- Dual Volute Design Reduces Radial Load on Motor
- QSP – Quick Ship Pump for Many Models