

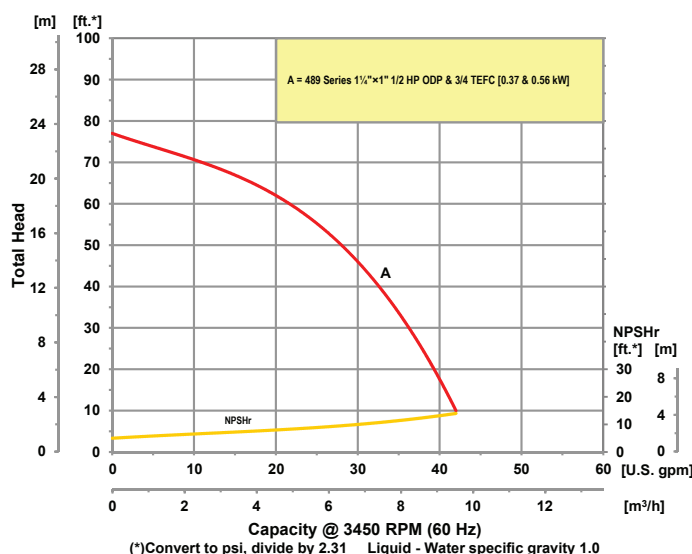
## High Head Straight Centrifugal Pumps

- **300 Series Investment Cast Stainless Steel, Cast Bronze and Cast Iron Construction with Stainless Steel Impeller**
- **Viton® Mechanical Seal and O-Ring with Stainless Steel and Bronze Models**
- **Buna-N Mechanical Seal and O-Ring with Cast Iron Models**
- **Optional Silicon Carbide Mechanical Seals Available**
- **Discharge Port Rotates in 90° Increments**
- **489 Series: 1-1/4" x 1" Ports**
- **Maximum Flow 42 GPM**
- **Maximum Head 77 Ft. (33 PSI)**

AMT High Head End Suction Centrifugal pumps are designed for continuous-duty OEM, Industrial/Commercial and processing applications including circulation, chemical processing, liquid transfer, and pressure boosting.

These heavy duty high pressure pumps are available in a variety of construction and seal materials to meet your specification. Pull-from-rear design for easy servicing without disturbing any piping. Closed impeller maximizes performance. Pumps are close coupled to Totally Enclosed Fan Cooled (TEFC) or Open Drip Proof (ODP) motors. **Pumps are not self-priming and require flooded suction.**

Performance of High Head Straight Centrifugal Pumps



## Pump Dimensional & Specification Data

| Model ‡ | Curve | HP  | PH | ENC  | Voltage @ 60 Hz + | Full Load Amps | SUC*  | DIS* | A**        | B**        | C**        | D         | E         | F         | L**         | W**         | H          | ‡ Ship Wt. (Lbs.) |
|---------|-------|-----|----|------|-------------------|----------------|-------|------|------------|------------|------------|-----------|-----------|-----------|-------------|-------------|------------|-------------------|
| 4893    |       | 1/2 | 1  | ODP  | 115/230           | 10/5           | 1 1/4 | 1    | N/A        | 5.1 [13.0] | 7.4 [18.9] | 0.2 [0.6] | 2.1 [5.3] | 3.3 [8.5] | 14.0 [35.5] | 8.2 [20.8]  | 8.6 [21.8] | 43                |
| 489C    | A     | 3/4 | 1  | TEFC | 115/230           | 9/5            | 1 1/4 | 1    | 5.4 [13.8] | 5.1 [13.0] | 7.4 [18.9] | 0.2 [0.6] | 2.1 [5.3] | 3.3 [8.5] | 14.7 [37.3] | 10.0 [25.4] | 8.6 [21.8] | 51                |
| 489D    |       | 3/4 | 3  | TEFC | 230/460           | 3/2            | 1 1/4 | 1    | 5.4 [13.8] | N/A        | 7.4 [18.9] | 0.2 [0.6] | 2.1 [5.3] | 3.3 [8.5] | 14.2 [36.0] | 10.0 [25.4] | 8.6 [21.8] | 43                |

(\*) Standard NPT (Female) pipe thread.

(\*\*) This dimension may vary due to motor manufacturer's specifications.

(+) 3-Phase motors can also operate on 50 Hz. (This will change full load amps, service factor and RPM)

NOTE: Dimensions are in inches (centimeters) and have a tolerance of  $\pm 1/4"$ .

NOTE: Electric supply for ALL motors must be within  $\pm 10\%$  of nameplate voltage rating (e.g. 230V  $\pm 10\%$  = 207 to 253).

Maximum Solids Handling Capacity: 1/8" Diameter

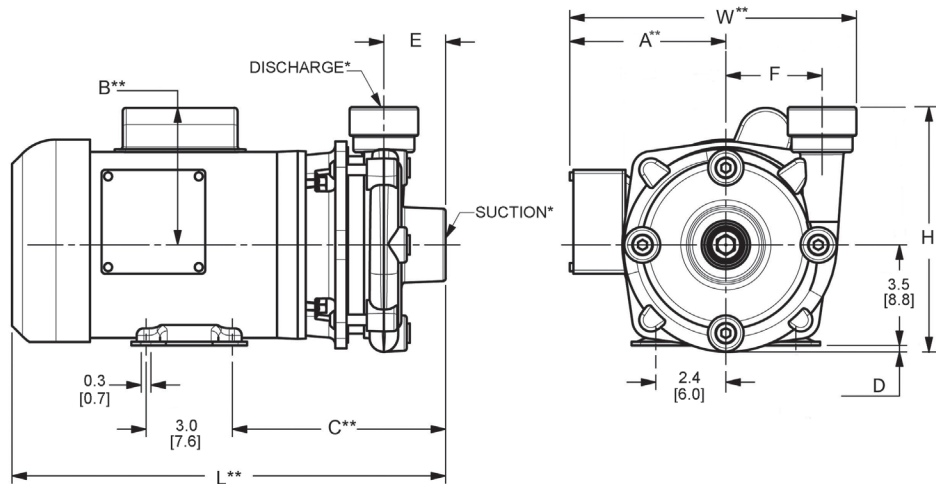
‡ When Ordering, Add the Correct (-9X) Suffix to Model Number Indicating Material Selection (Ex. 4893-95)

XCI (-95) Cast Iron Construction with Buna-N Seals

XB (-97) Cast Bronze Construction with Viton® Seals

XSS (-98) Cast Stainless Steel Construction with Viton® Seals

(All Models Come Standard with Stainless Steel Impeller)



## Standard Features

- Stainless Steel, Bronze and Cast Iron Construction
- Buna-N or Viton® Mechanical Seal and O-ring, Depending on Model
- Optional Silicon Carbide Mechanical Seals Available
- Stainless Steel Motor Shaft and Hardware
- NEMA TEFC Single or Three Phase 3450 RPM Motors, Optional ODP Motors Available
- NEMA Base Mounted Motor
- Stainless Steel Impeller
- Discharge Rotates in 90° Increments
- Maximum Working Pressure 150 PSI
- Maximum Temperature
  - ♦ Viton® 200° F
  - ♦ Buna-N 180° F
- (4) Front Drain Plugs, Located 90° Apart
- QSP – Quick Ship Pump for Many Models

**Hazardous Duty/Xplosion Proof motors available from stock ranging from 1 to 10 HP; CALL FOR QUOTATION & LEAD TIME!**