

# 1750 RPM Straight Centrifugal Pumps

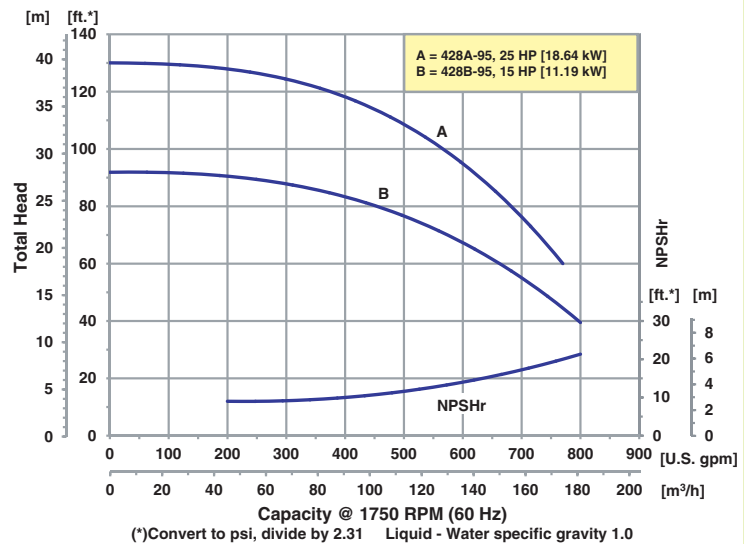
- **Cast Iron Construction**
- **Silicon Bronze Precision Cast Dynamically Balanced Impeller**
- **Viton® Silicon Carbide/Carbon Mechanical Seal**
- **Bronze Case Wear Ring**
- **4" x 3" 125 Lb. 8-Bolt Flanged Suction Port & 4-Bolt Flanged Discharge Port**
- **Pull-From-Rear Design Permits Easy Servicing Without Disturbing Piping**
- **1/4" NPT Gauge Taps on Suction & Discharge Ports For System Monitoring**
- **Bronze Shaft Sleeve to Protect Motor Shaft**
- **Maximum Casing Pressure 175 PSI**
- **Maximum Temperature 200° F**
- **Includes Seal Flush/Air Relief Valve**
- **Front Drain Plugs**
- **TEFC JM NEMA Frame IE2/EPAC Energy Efficient Motors**

Model 4281-95

Model 4282-95

The AMT Cast Iron 1750 RPM Solids Handling End Suction Centrifugal pump delivers performance that minimizes operation and energy costs. Built to last, each pump features a precision cast bronze impeller that is dynamically balanced to minimize vibration and maximize motor bearing life. Pull-from-rear design simplifies maintenance without disturbing piping connection. Gauge taps at the suction and discharge ports allow for system monitoring. Maximum 1/4" diameter solids handling and optional seal flush/air relief valve is available for vertical installations. **Pumps require a flooded suction and positive suction pressure.**

Performance of 4" x 3" Straight Centrifugal Pumps



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## Pump Dimensional & Specification Data

| Model   | Curve | HP | PH | Frame | ENC  | Voltage @ 60 Hz + | Full Load Amps | SUC* | DIS* | A**         | B          | C           | D          | E          | F          | G          | J           | L**         | W**         | H           | Ship Wt. (Lbs.) |
|---------|-------|----|----|-------|------|-------------------|----------------|------|------|-------------|------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-----------------|
| 4282-95 | B     | 15 | 3  | 254JM | TEFC | 208-230/460       | 41/19          | 4 ♦  | 3 ♦  | 10.0 [25.6] | 6.2 [15.9] | 14.7 [37.5] | 7.6 [19.4] | 5.0 [12.7] | 8.2 [21.0] | 6.4 [16.4] | 10.0 [25.4] | 31.3 [79.7] | 21.0 [53.3] | 15.6 [39.6] | 435             |
| 4281-95 | A     | 25 | 3  | 284JM | TEFC | 208-230/460       | 67/30          | 4 ♦  | 3 ♦  | 10.8 [27.6] | 7.0 [17.8] | 15.2 [38.7] | 8.1 [20.8] | 5.5 [14.0] | 9.5 [24.1] | 7.1 [18.1] | 11.0 [27.9] | 31.0 [78.6] | 23.0 [58.4] | 17.1 [43.4] | 705             |

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

Maximum Solids Handling Capacity: 1/4" Diameter

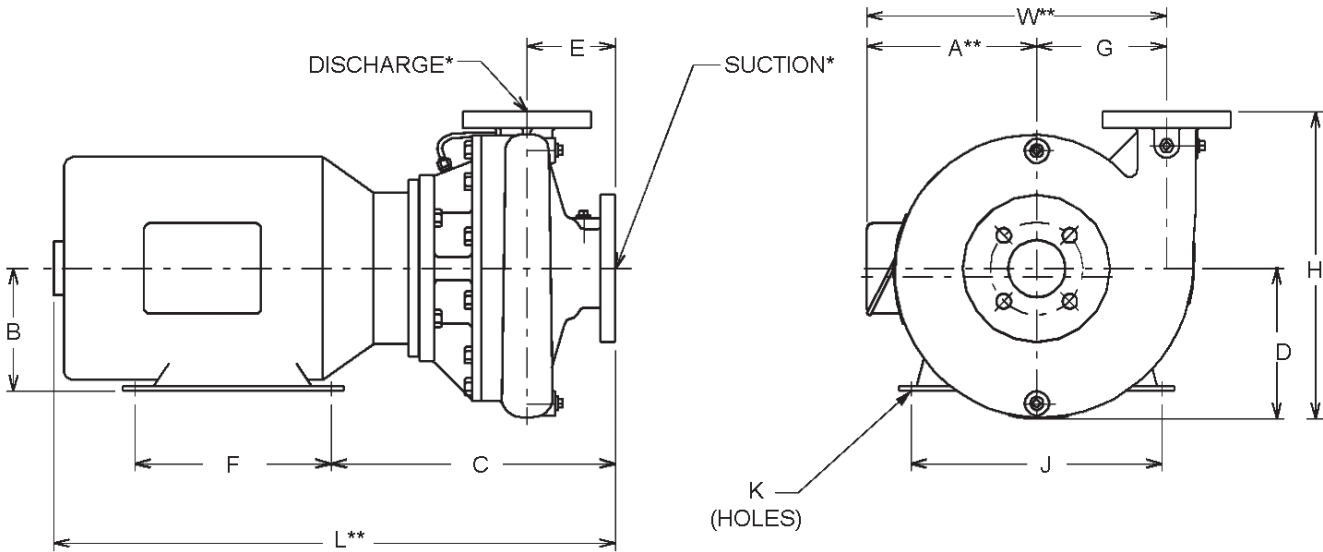
(\*\*) This dimension may vary due to motor manufacturer's specifications.

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

(♦) Standard 125# Flange

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)



## Standard Features

- Cast Iron Construction
- Viton® Silicon Carbide/Carbon Mechanical Seal
- Silicon Bronze Precision Cast Dynamically Balanced Impeller
- Bronze Case Wear Ring
- 4" x 3" 125 Lb. 8-Bolt Flanged Suction Port & 4-Bolt Flanged Discharge Port
- 1/4" NPT Gauge Taps on Suction & Discharge Ports for System Monitoring
- Bronze Shaft Sleeve to Protect Motor Shaft
- Maximum Casing Pressure 175 PSI
- Maximum Temperature 200° F
- Includes Seal Flush/Air Relief Valve
- Front Drain Plugs
- 1750 RPM TEFC JM NEMA Frame IE2/EPAC Energy Efficient Motors