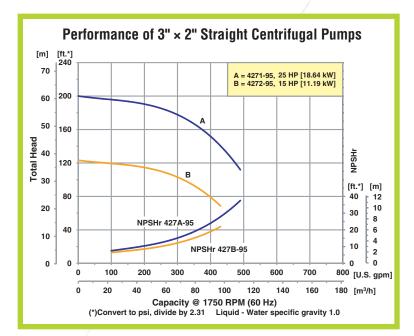


The AMT Cast Iron 1750 RPM Solids Handling End Suction Centrifugal pump delivers performance that minimizes operation and energy costs. Built to last, each pump features a precision cast bronze impeller that is dynamically balanced to minimize vibration and maximize motor bearing life. Pull-from-rear 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.

## 1750 RPM Straight **Centrifugal Pumps**

- Silicon Bronze Precision Cast **Dynamically Balanced Impeller**
- Viton<sup>®</sup> Silicon Carbide/Carbon
- 3" x 2" 125 Lb. 4-Bolt Flanged Ports
- Pull-From-Rear Design Permits Easv Servicing Without Disturbing Piping
- 1/4" NPT Gauge Taps on Suction & Discharge Ports For System
- Bronze Shaft Sleeve to Protect
- Maximum Casing Pressure 175 PSI
- Maximum Temperature 200° F
- Includes Seal Flush/Air Relief Valve
- TEFC JM NEMA Frame IE2/EPAC **Energy Efficient Motors**







## 1750 RPM Straight Centrifugal Pumps

## **Pump Dimensional & Specification Data**

Model	Curve	HP	PH	Frame	ENC	Voltage @ 60 Hz +	Full Load Amps	SUC*	DIS*	A**	В	C	D	E	F	G	J	L**	W**	Н	Ship Wt. (Lbs.)
4272-95	В	15	3	254JM	TEFC	208- 230/460	41/19	3 •	2 •	10.0 [25.6]	6.2 [15.9]	14.0 [35.6]	7.6 [19.4]	4.5 [11.4]	8.2 [21.0]	6.5 [16.5]	10.0 [25.4]	30.5 [77.6}	21.0 [53.3]	15.6 [39.6]	460
4271-95	Α	25	3	284JM	TEFC	208- 230/460	67/30	3 •	2 •	10.8 [27.6]	7.0 [17.8]	14.5 [36.8]	8.7 [22.2]	4.5 [11.4]	9.5 [24.1]	8.0 [20.3]	11.0 [27.9]	31.7 [80.6]	23.0 [58.4]	17.0 [43.1]	510

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

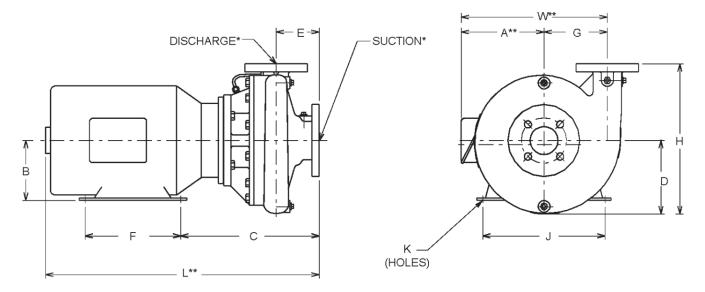
Maximum Solids Handling Capcity: 1/4" Diameter

- (\*\*) This dimension may vary due to motor manufacturer's speciifcations.
- (+) 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
- 3" x 2" 125 Lb. 4-Bolt Flanged Ports
- 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



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