## 1750 RPM Straight Centrifugal Pump

Model 420A-95

- Silicon Bronze Precision Cast Dynamically Balanced Impeller
- Viton<sup>®</sup> Silicon Carbide/Carbon Mechanical Seal
- Bronze Case Wear Ring

Cast Iron Construction

- 2" x 1.5" NPT Ports
- 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

Performance of 2" × 1-1/2" Straight Centrifugal Pump [ft.\*] 140 [m] 40 A = 420A-95, 5 HP [3.73 kW] 120 35 100 30 Head 25 80 20 Iotal 60 NPSHr 15 40 [ft.\*] [m] 10 30 8 20 20 5 NPSHr 10 2 0 0 0 40 ุ่รก 120 160 200 240 280 320 [U.S. gpm] 20 30 [m³/h] 10 15 25 Capacity @ 1750 RPM (60 Hz) (\*)Convert to psi, divide by 2.31 Liquid - Water specific gravity 1.0

The AMT Cast Iron 1750 RPM Solids Handling End Suction Centrifugal pump delivers high efficiency 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. Pullfrom-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.

400 Spring Street • Royersford, PA 19468 USA

#### www.amtpump.com • 888-amt-pump (268-7867)

A Gorman-Rupp Company

For use with nonflammable liquids compatible with pump component materials. Viton\* and Teflon\* are registered trademarks of E. I. Dupont.

**STE-19** 

# **1750 RPM Straight Centrifugal Pump**

### **Pump Dimensional & Specification Data**

Model <sup>‡</sup>	Curve	ΗР	PH	Frame	ENC	Voltage @ 60 Hz +	Full Load Amps	SUC*	DIS*	A**	В	С	D	E	F	G	J	L**	w	н	Ship Wt. (Lbs.)
420A-95	А	5	3	182JM	TEFC	208-230/460	22/11	2	1-1/2	7.5 [19.1]	4.5 [11.4]	10.9 [27.8]	6.3 [16.0]	3.8 [9.7]	5.5 [14.0]	5.5 [14.0]	7.5 [19.1]	21.1 [53.7]	16.0 [40.6]	12.8 [32.5]	195

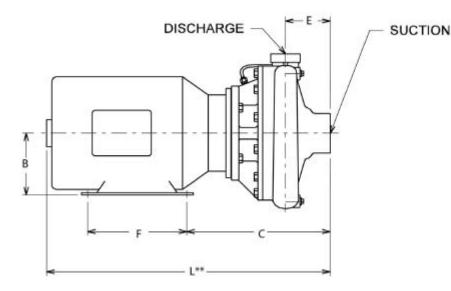
(\*) Standard NPT (Female) pipe thread.

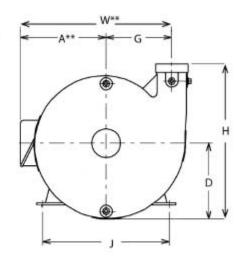
(\*\*) This dimension may vary due to motor manufacturer's specifications.

(+) 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 ±10% of nameplate voltage rating (e.g. 230V ±10%= 207 to 253).





Maximum Solids Handling Capacity: 1/4" Diameter

#### **Standard Features**

- Cast Iron Construction
- Viton<sup>®</sup> Silicon Carbide/Carbon Mechanical Seal
- Silicon Bronze Precision Cast Dynamically Balanced Impeller
- Bronze Case Wear Ring
- 2" x 1.5" NPT Ports
- 1/4" NPT Gauge Taps on Suction & Discharge Ports for System Monitoring

- Bronze Shaft Sleeve to Protect Motor Shaft
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