

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. 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.

Model 428B-95

Performance of 4" × 3" Straight Centrifugal Pumps [m] [ft.*] A = 428A-95, 25 HP [18.64 kW] B = 428B-95, 15 HP [11.19 kW] 40 120 35 100 30 Head 25 80 ot 20 60 15 [ft.*] [m] 10 20 20 5 10 2 900 [U.S. gpm] 100 120 200 [m³/h] Capacity @ 1750 RPM (60 Hz) (*)Convert to psi, divide by 2.31 Liquid - Water specific gravity 1.0

Servicing Without Disturbing Piping

Discharge Ports For System Monitoring
Bronze Shaft Sleeve to Protect Motor Shaft

• 1/4" NPT Gauge Taps on Suction &

Maximum Casing Pressure 175 PSI

Includes Seal Flush/Air Relief Valve

• TEFC JM NEMA Frame IE2/EPAC Energy

Maximum Temperature 200° F

Front Drain Plugs

Efficient Motors



400 Spring Street • Royersford, PA 19468 USA



1750 RPM Straight Centrifugal Pumps

Pump Dimensional & Specification Data

Model‡	Curve	НР	PH	Frame	ENC	Voltage @ 60 Hz +	Full Load Amps	SUC*	DIS*	A**	В	С	D	Е	F	G	J	L**	W**	Н	Ship Wt. (Lbs.)
428B-95	В	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]	365
428A-95	Α	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]	530

(*) Standard NPT (Female) pipe thread.

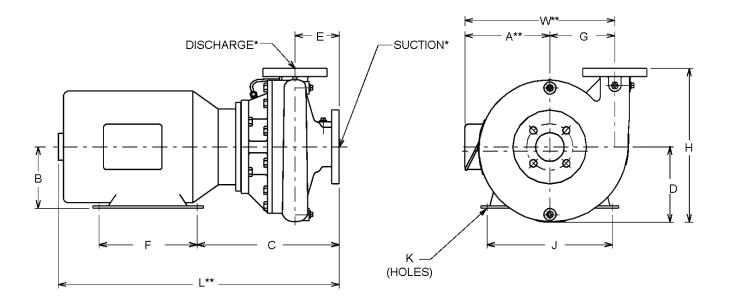
(**) This dimension may vary due to motor manufacturer's specifications.

◆ Standard 125# Flange

(+) 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).



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



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Maximum Solids Handling Capacity: 1/4" Diameter