

Model 5740-97 Bronze Circulator

• Maximum Flow 150 GPM

(107° C)*

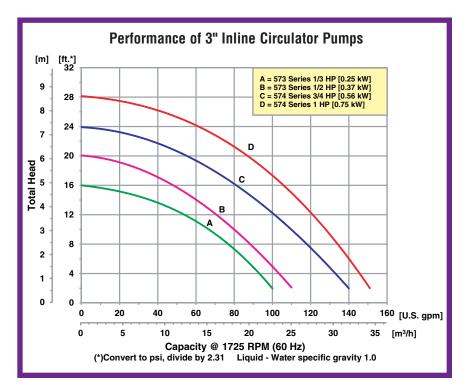
• Maximum Head 28 Ft. (12 PSI)

Maximum Temperature 225° F

• Single Phase or Three Phase TEFC 56C Motor

AMT Inline Circulator Pumps are designed for continuous duty industrial/commercial systems. Pumps are available in a variety of material configurations to meet your specifications. Pumps are powered by a 56C NEMA frame electric motor with 1/2" conduit connection. Pumps are interchangeable with other manufacturers, see cross reference on specification page.

*Maximum temperature applies to water only.







Inline 3" Circulator Pumps

Pump Dimensional & Specification Data

| Model ‡ | Curve | НР | PH | ENC | Voltage @ 60 Hz + | Full Load Amps | A** | В | С | L** | w | Н | ‡Ship Wt. (Lbs.) |
|---------|-------|-----|----|------|----------------------|-------------------|-------------|-------------|-----------|-------------|------------|-------------|---------------------|
| 5735 | А | 1/3 | 1 | TEFC | 115/230 | 7/4 | 14.0 [35.5] | 10.0 [25.4] | 3.0 [7.6] | 17.0 [43.2] | 8.0 [20.3] | 11.1 [28.2] | 78 |
| 5736 | | | 3 | | 230/460 | 2/1 | | | | | | | 75 |
| 5730 | _ n | 1/0 | 1 | TEFC | 115/230 | 9/5 | 14.0 [35.5] | 10.0 [25.4] | 3.0 [7.6] | 17.0 [43.2] | 8.0 [20.3] | 11.1 [28.2] | 84 |
| 5731 | В | 1/2 | 3 | | 230/460 | 3/2 | | | | | | | 77 |
| 5745 | С | 3/4 | 1 | TEFC | 115/230 | 12/6 | 15.0 [38.1] | 12.0 [30.5] | 3.2 [8.2] | 18.0 [45.7] | 8.2 [20.3] | 13.2 [33.5] | 90 |
| 5746 | | | 3 | | 230/460 | 3/2 | | | | | | | 84 |
| 5740 | D | 1 | 1 | TEFC | 115/230 | 14/7 | 15.0 [38.1] | 12.0 [30.5] | 3.2 [8.2] | 18.0 [45.7] | 8.2 [20.3] | 13.2 [33.5] | 97 |
| 5741 | | | 3 | IEFU | 230/460 | 30/460 4/2 | | | | | | | 91 |

^{**}This dimension may vary due to motor manufacturer's specifications

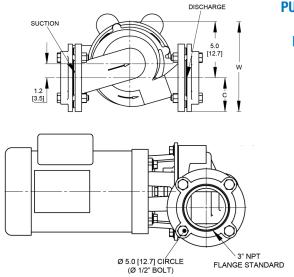
NOTE: Dimensions are in inches (centimeters) and have a tolerance of \pm 1/8"

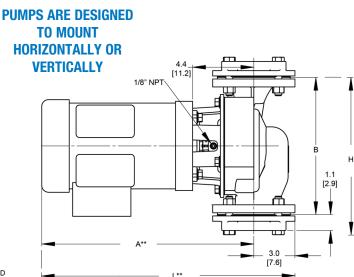
NOTE: Electric supply for ALL motors must be within $\pm 10\%$ of nameplate voltage rating (Ex. 230V \pm 10%= 207 to 253)

‡ When ordering add the correct -9x suffix to model number indicating material selection

XCI (-95) = Cast Iron Construction

XB (-97) = Cast Bronze Construction





Manufacturer Cross Reference

| Model Series | | | Bell & Gossett Series (Bronze) | | TACO Series | Dayton (C.Iron) |
|-----------------|----|--------|-----------------------------------|------|----------------|--------------------|
| 5735/5736 | 10 | LD3 | LD3AB | S-45 | 122 | 4RC99 |
| 5730/5731 | 10 | HD3 | HD3AB | S-46 | 131 | 4RD12 |
| 5745/5746 | 12 | PD-35S | PDB35S | S-55 | 132 | 4RD13 |
| 5740/5741 | 12 | PD-37S | PDB37S | S-56 | 133 | 4RD14 |

Standard Features

- Mounting Flange Kit for 3" NPT, Which Includes
 (2) Flanges, (2) Gaskets, and Fasteners
- 4-Bolt Flange Allows 360° Mounting Rotation in 90° Increments
- 1/8" NPT Seal Wash/Vent Port
- EPDM/EPR Mechanical Seal and O-Rings
- Optional Buna-N Mechanical Seal and O-Ring Available
- Stainless Steel (300 Series) Stub Shaft
- · High Efficiency Closed Impeller
- Standard NEMA 56C Motor Mounting Dimensions
- Available in either Single Phase or Three Phase TEFC 56C Motors
- Maximum Working Pressure 150 PSI
- · QSP: Quick Ship Pump for Many Models



Manufacturer of AMT & IPT Pumps

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