

Model 12ES15C-3P



Model 07ES05C-3P

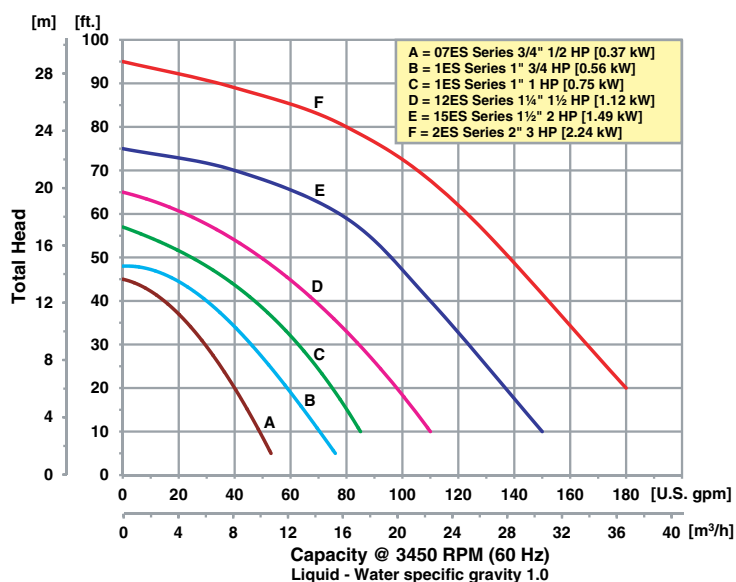
AMT Solids Handling Centrifugal pumps are designed for continuous-duty OEM, Industrial/Commercial and General Service applications including dirty water circulation, chemical processing, and liquid transfer.

Pumps are designed to handle liquids with solids content or dissolved solids and debris. Pull-from-rear design for easy service without disturbing any piping. Self-cleaning impellers to prevent clogging and handles solids up to 3/8" diameter depending on the model. Pumps are close coupled to Totally Enclosed Fan Cooled (TEFC) motors. **Pumps are not self-priming and require flooded suction.**

## Centrifugal Chemical Pump

- **Cast Iron Construction**
- **EPDM/EPR Mechanical Seal and O-Rings**
- **Discharge Port Rotates in 45° Increments**
- **Solids Handling, Clog Resistant Impeller**
- **1/2 to 3 HP Dual Cycle 50/60 Hz TEFC 56J NEMA Single or Three Phase Motors**
- **3/4" to 2" NPT Sizes**
- **Maximum Working Pressure 125 PSI**
- **Maximum Flow 180 GPM**
- **Maximum Head 95 Ft. (41 PSI)**
- **Pull-From-Rear Design Permits Easy Servicing Without Disturbing Piping**
- **Multiple 1/2" NPT Drain Ports**

Performance of Straight Centrifugal End Suction Pumps



## Pump Dimensional & Specification Data

| Model                    | Curve | HP  | PH     | ENC  | Voltage<br>@ 60 Hz +       | Full Load<br>Amps | SUC* | DIS* | A**                      | B                      | C**               | L**                        | W**                        | H                        | Ship Wt.<br>(Lbs.) |
|--------------------------|-------|-----|--------|------|----------------------------|-------------------|------|------|--------------------------|------------------------|-------------------|----------------------------|----------------------------|--------------------------|--------------------|
| 07ES05C-1P<br>07ES05C-3P | A     | 1/2 | 1<br>3 | TEFC | 115-208/230<br>208-230/460 | 9/5<br>3/2        | 3/4  | 3/4  | 5.4 [13.8]<br>5.4 [13.8] | 2.6 [6.7]<br>2.6 [6.7] | 5.1 [12.9]<br>N/A | 13.9 [35.3]<br>13.2 [33.5] | 10.1 [25.7]<br>10.1 [25.7] | 9.9 [25.1]<br>9.5 [24.1] | 47<br>43           |
| 1ES07C-1P<br>1ES07C-3P   | B     | 3/4 | 1<br>3 |      | 115-208/230<br>208-230/460 | 9/5<br>3/2        | 1    | 1    | 5.4 [13.8]<br>5.4 [13.8] | 2.6 [6.7]<br>2.6 [6.7] | 5.1 [12.9]<br>N/A | 14.4 [36.5]<br>13.9 [35.3] | 10.1 [25.7]<br>10.1 [25.7] | 9.9 [25.1]<br>9.5 [24.1] | 52<br>44           |
| 1ES10C-1P<br>1ES10C-3P   | C     | 1   | 1<br>3 |      | 115-208/230<br>208-230/460 | 12/6<br>4/2       | 1    | 1    | 5.4 [13.8]<br>5.4 [13.8] | 2.6 [6.7]<br>2.6 [6.7] | 5.1 [12.9]<br>N/A | 14.6 [37.1]<br>13.2 [33.5] | 10.1 [25.7]<br>10.1 [25.7] | 9.9 [25.1]<br>9.5 [24.1] | 53<br>52           |
| 12ES15C-1P<br>12ES15C-3P | D     | 1½  | 1<br>3 |      | 115-208/230<br>208-230/460 | 22/11<br>6/3      | 1¼   | 1¼   | 5.4 [13.8]<br>5.4 [13.8] | 3.2 [8.3]<br>3.2 [8.3] | 5.1 [12.9]<br>N/A | 15.6 [39.6]<br>15.4 [39.1] | 10.3 [26.1]<br>10.3 [26.1] | 9.9 [25.1]<br>9.8 [24.9] | 64<br>54           |
| 15ES20C-1P<br>15ES20C-3P | E     | 2   | 1<br>3 |      | 115-208/230<br>208-230/460 | 28/14<br>7/4      | 1½   | 1½   | 5.4 [13.8]<br>5.4 [13.8] | 3.2 [8.3]<br>3.2 [8.3] | 5.0 [12.7]<br>N/A | 16.3 [41.4]<br>15.9 [40.4] | 10.3 [26.1]<br>10.3 [26.1] | 9.8 [24.9]<br>9.8 [24.9] | 67<br>59           |
| 2ES30C-1P<br>2ES30C-3P   | F     | 3   | 1<br>3 |      | 208/230<br>208-230/460     | 16<br>8/4         | 2    | 2    | 5.4 [13.8]<br>5.4 [13.8] | 3.2 [8.3]<br>3.2 [8.3] | 5.0 [12.7]<br>N/A | 16.8 [42.6]<br>16.4 [41.6] | 10.3 [26.1]<br>10.3 [26.1] | 9.8 [24.9]<br>9.8 [24.9] | 75<br>63           |

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

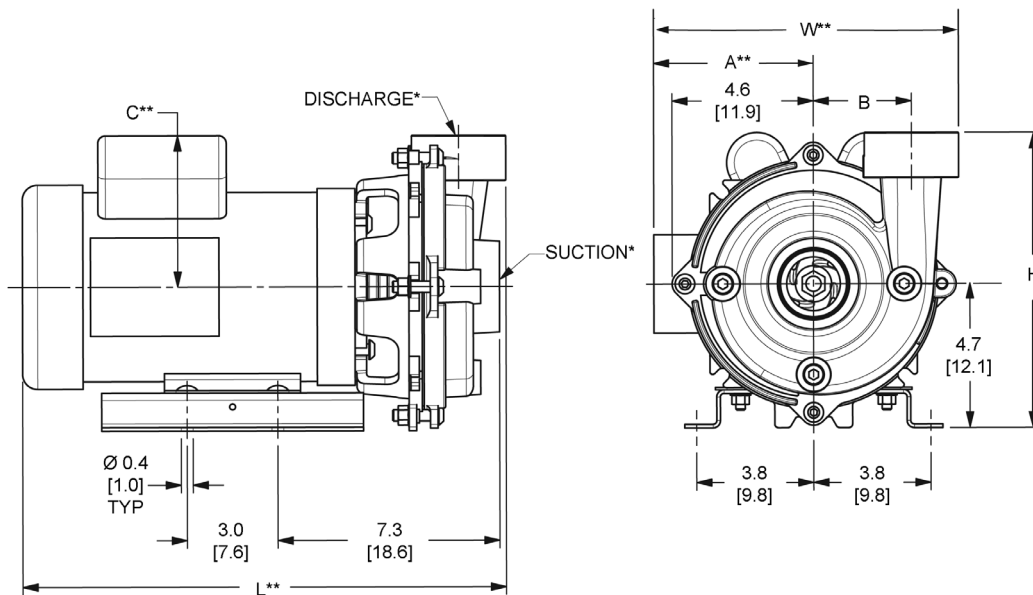
(\*\*) This dimension may vary due to motor manufacturer's specifications.

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

Maximum Solids Handling Capacity: 3/8" Diameter



## Standard Features

- Cast Iron Construction
- EPDM/EPR Mechanical Seal and O-rings
- 303 Stainless Steel Motor Shaft
- NEMA 56J TEFC Single or Three Phase Motors
- NEMA Dual Cycle 50/60 Hz Base Mounted Motor
- Self-cleaning Impeller
- Discharge Rotates in 45° Increments
- Maximum Working Pressure 125 PSI
- Maximum Temperature 180° F
- Front Drain Plugs
- QSP—Quick Ship Pump for Many Models
- Solids Handling Design

**Hazardous Duty/Xplosion Proof motors available from stock ranging from 1 to 10 HP;  
CALL FOR QUOTATION & LEAD TIME!**