

### Forced-Air Blowers for Air-Cooled Heating Systems

A variety of sizes and styles of forced-air centrifugal blowers are used on Tempco's air-cooled extrusion systems. Tempco Forced-Air Blowers are available in a large range of CFM ratings to fit any new or existing application. All blowers include air inlet guards for your safety.



#### Standard Single Phase Centrifugal Blowers

Tempco standard blowers feature corrosion protected sheet metal housings and impeller wheels. The quiet operation and quick response coupled with high volume unrestricted output results in a field-proven efficient cooling means for extrusion processes. Standard blowers are readily available for single phase 115V or 230V and represent the shortest delivery times.

#### Single Port Blowers

| Part Number | "D"  | "F"  | "G"  | "H"  | "N"   | "P"   | "R"   | "S"   | Outlet "L" x "W" | CFM  | Volts   | Full Load Amps | Replacement Guard PN |
|-------------|------|------|------|------|-------|-------|-------|-------|------------------|------|---------|----------------|----------------------|
| MTR-102-101 | 3.50 | 4.60 | 3.96 | 2.88 | 6.91  | 6.26  | 5.32  | 5.70  | 2.18 x 3.25      | 146  | 115     | 0.75           | GRD-101-102          |
| MTR-102-102 | 5.00 | 5.51 | 4.86 | 4.37 | 8.21  | 7.56  | 8.88  | 9.90  | 3.62 x 4.13      | 273  | 115     | 0.77           | GRD-101-103          |
| MTR-102-103 | 5.00 | 5.51 | 4.86 | 4.37 | 8.21  | 7.56  | 8.88  | 9.90  | 3.62 x 4.13      | 273  | 230     | 0.43           | GRD-101-103          |
| MTR-102-104 | 5.63 | 5.08 | 4.50 | 5.00 | 8.09  | 7.48  | 10.44 | 11.16 | 4.25 x 3.81      | 358  | 230     | 0.54           | GRD-101-104          |
| MTR-102-105 | 5.63 | 5.08 | 4.50 | 5.00 | 8.09  | 7.48  | 10.40 | 11.20 | 4.25 x 3.81      | 485  | 115     | 1.35           | GRD-101-104          |
| MTR-102-106 | 5.63 | 6.63 | 6.00 | 5.00 | 9.59  | 8.92  | 10.42 | 11.16 | 4.25 x 5.25      | 550  | 115     | 2.05           | GRD-101-104          |
| MTR-102-107 | 5.63 | 6.63 | 6.00 | 5.00 | 9.59  | 8.92  | 10.40 | 11.20 | 4.25 x 5.25      | 550  | 230     | 0.98           | GRD-101-104          |
| MTR-102-108 | 6.37 | 8.75 | 8.00 | 5.00 | 11.56 | 11.56 | 13.13 | 14.88 | 5.56 x 7.19      | 1202 | 115/230 | 7.30/3.70      | GRD-101-108          |
| MTR-102-113 | 6.37 | 7.75 | 7.00 | 5.00 | 10.31 | 10.31 | 13.13 | 14.88 | 5.56 x 6.19      | 794  | 115/230 | 2.75/1.45      | GRD-101-108          |

**NOTE:** See Blower Drawing 1 on page 3-43

#### Single Port Large Volume Blowers

| Part Number | "D"  | "F"  | "G"  | "H"  | "N"   | "R"   | "S"   | Outlet "L" x "W" | CFM     | Volts | Full Load Amps | Replacement Guard PN |
|-------------|------|------|------|------|-------|-------|-------|------------------|---------|-------|----------------|----------------------|
| MTR-102-109 | 5.00 | 9.69 | 4.41 | 4.38 | 9.25  | 8.81  | 9.88  | 3.69 x 8.06      | 458     | 115   | 1.28           | GRD-101-103          |
| MTR-102-110 | 5.00 | 9.69 | 4.41 | 4.38 | 9.45  | 8.81  | 9.88  | 3.69 x 8.06      | 458     | 230   | 0.65           | GRD-101-103          |
| MTR-102-111 | 5.63 | 9.31 | 4.38 | 5.00 | 10.75 | 10.31 | 11.13 | 4.19 x 8.69      | 797/549 | 115   | 3.20/2.20      | GRD-101-104          |

**NOTE:** See Blower Drawing 2 on page 3-43

#### Double Port Blowers

| Part Number | "D"  | "F"  | "G"  | "H"  | "M"  | "N"   | "P"   | "R"  | "S"  | Outlet "L" x "W" | CFM | Volts | Full Load Amps | Replacement Guard PN |
|-------------|------|------|------|------|------|-------|-------|------|------|------------------|-----|-------|----------------|----------------------|
| MTR-102-112 | 4.75 | 4.75 | 4.13 | 1.47 | 7.50 | 12.20 | 10.90 | 8.06 | 7.89 | 2.94 x 3.31      | 312 | 115   | 0.77           | GRD-101-103          |

**NOTE:** See Blower Drawing 3 on page 3-43



#### Low-Profile Single Phase Centrifugal Blowers

Tempco low-profile 115/230V single phase blowers offer a narrower footprint than the standard blowers. The motor is integrated with the impeller so that the motor housing protrudes only slightly from the blower housing. Low-profile blowers are made of die-cast aluminum and galvanized sheet steel and are perfect for applications where space is a concern.

#### Single Port Blowers

| Part Number | "D"  | "F"  | "G"  | "H"  | "N"  | "P"  | "R"   | "S"   | Outlet "L" x "W" | CFM | Volts | Full Load Amps | Replacement Guard PN | Replacement Capacitor PN |
|-------------|------|------|------|------|------|------|-------|-------|------------------|-----|-------|----------------|----------------------|--------------------------|
| MTR-103-101 | 2.68 | 3.00 | 2.60 | 2.28 | 3.44 | 3.15 | 4.65  | 4.50  | 2.19 x 1.66      | 56  | 115   | 0.24           | GRD-101-101          | TEC-114-101              |
| MTR-103-102 | 2.68 | 3.00 | 2.60 | 2.28 | 3.44 | 3.15 | 4.65  | 4.50  | 2.19 x 1.66      | 56  | 230   | 0.13           | GRD-101-101          | TEC-114-102              |
| MTR-103-103 | 4.72 | 5.12 | 4.53 | 4.13 | 5.12 | 3.94 | 8.90  | 9.72  | 3.62 x 3.70      | 283 | 230   | 0.89           | GRD-101-103          | TEC-114-101              |
| MTR-103-104 | 7.40 | 6.96 | 5.00 | 6.00 | 5.27 | 4.96 | 11.28 | 14.04 | 4.79 x 5.27      | 500 | 230   | 0.78           | GRD-101-106          | TEC-114-101              |

**NOTE:** See Blower Drawing 1 on page 3-45