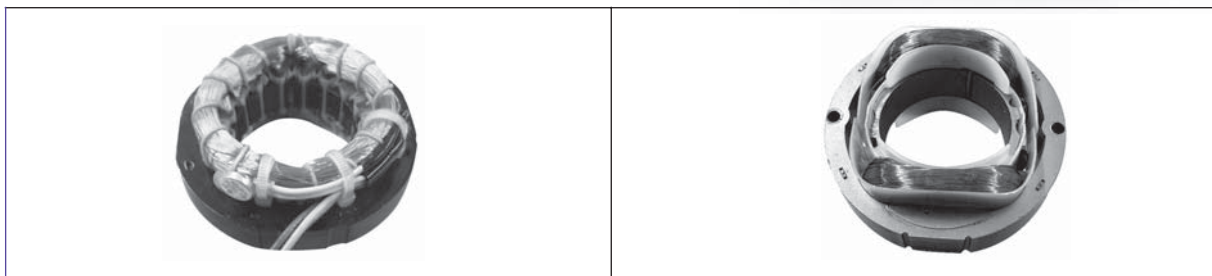


*Alveolate Motor AC fan series with automatic motor-wire wrapping technology ensures stable performance of high wind volume, low acoustic noise, also available with functions of dual spinning rate, and thermal cutout.*



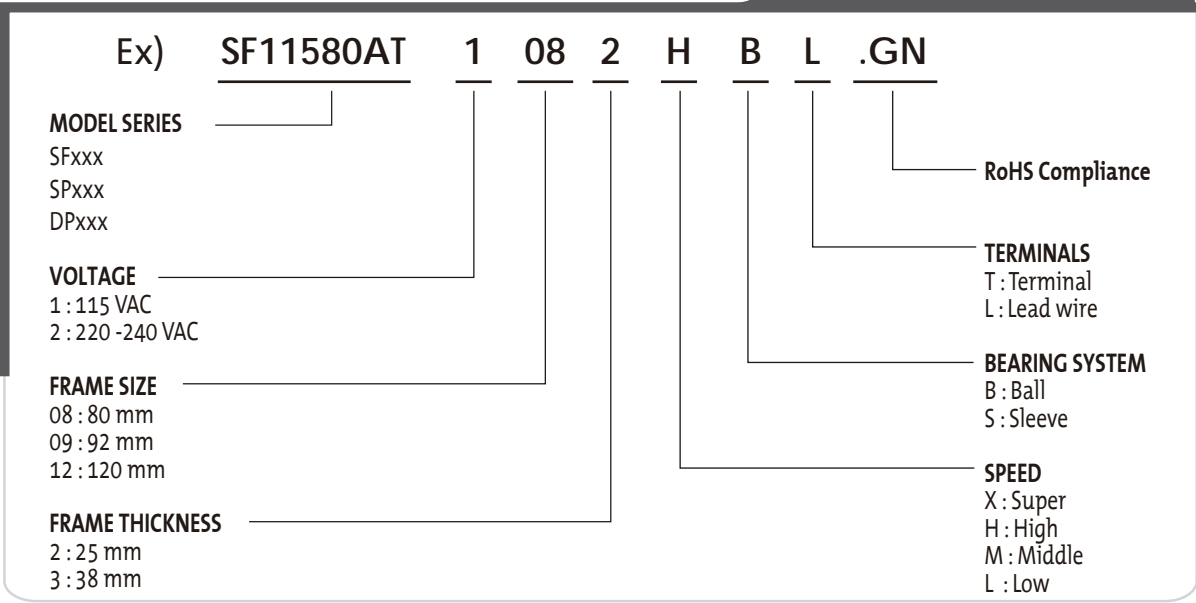
## SUNON-Alveolate Motor VS. Traditional Shaded-Pole Motor



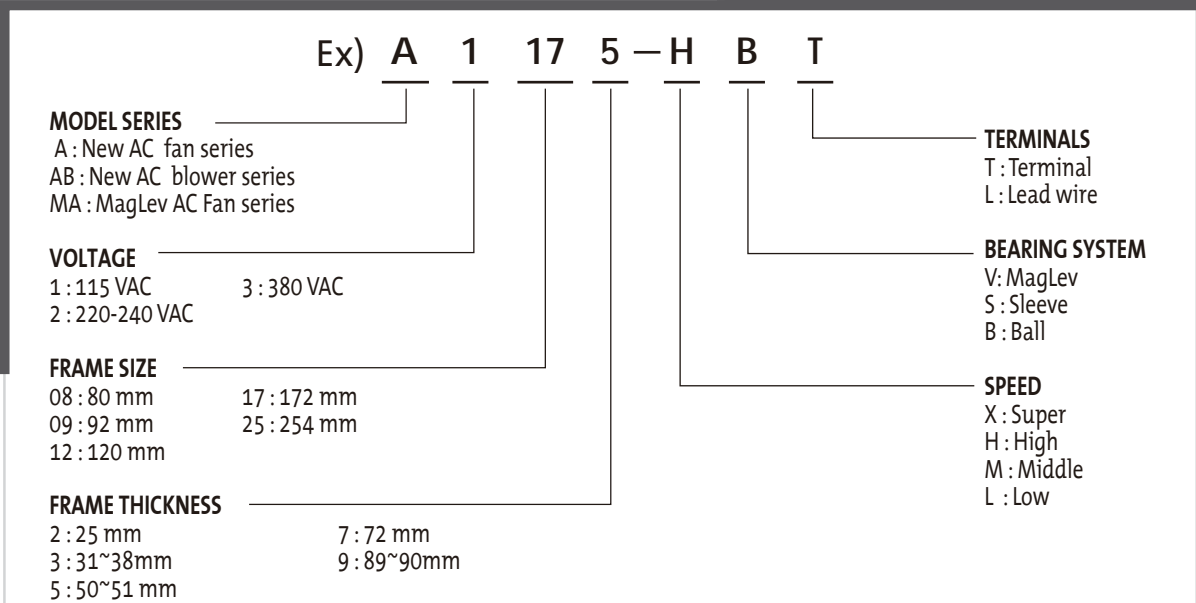
| SUNON-Alveolate Motor   | Traditional Shaded-Pole Motor  |
|---|--|
| 1. The Alveolate Motor is equipped with starting stator coils and working ones. The starting coils form a low starting voltage with the capacitors. For example, an 115VAC (the fixed voltage) Alveolate Motor can be started with 60VAC. | 1. The Traditional Shaded-Pole Motor, designed with single-wire wrapping, is started by "the starting copper" and cannot be started with low voltage. An 115VAC Traditional Shaded-Pole motor will need more than 80VAC to run, 20VAC more than the Alveolate one. |
| 2. The coils do not produce high temperature and consumes less electricity. The temperature is normally around 50°C. Therefore, the motor is always stable and reliable.  | 2. The Traditional Shaded-Pole Motor consumes electricity twice as much as the Alveolate Motor. It is not reliable because the temperature is usually higher than 70°C.  |
| 3. The Thermal Cutout can protect the motor.  | 3. The Thermal Cutout is an option.  |
| 4. The motor has a large torsion to produce high wind pressure and wind volume.   | 4. General wind pressure and wind volume.  |
| 5. The motor is equipped with the third wire, ready to comply with the customer's systems.  | 5. Without the third wire.   |

# Model Numbering System

## General AC Fan



## New Type AC Fan



### P/N

P/N Suffixes have the following significance :

- T : Thermal Cutout
- C : Capacitor
- TC : Alveolate Motor with Thermal Cutout and Capacitor
- TC.R : Round Frame , Alveolate Motor with Thermal Cutout and Capacitor
- N : New frame
- GN : RoHS compliance

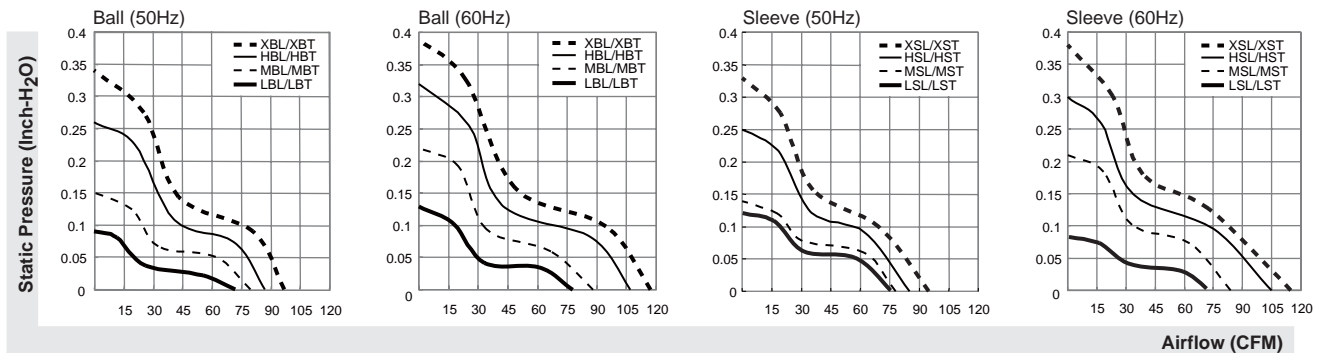
\* Alveolate Motor only available in P/N : TC model

## 70-117 CFM



| Model  | P/N        | Bearing  | Rating Voltage (VAC) | Freq. (Hz) | Power Current (AMP) | Power Consumption (WATTS) | Speed (RPM) | Air Flow (CFM) | Static Pressure (Inch-H <sub>2</sub> O) | Noise (dBA) | Weight (g) |
|--------|------------|----------|----------------------|------------|---------------------|---------------------------|-------------|----------------|---|-------------|------------|
| SP100A | 1123XSL.GN | ● VAPOR  | 115                  | 50/60      | 0.26/0.24           | 22/20                     | 2700/3100   | 95/115         | 0.33/0.38                               | 44/49       | 550        |
| SP100A | 1123XST.GN | ○ BALL   | 115                  | 50/60      | 0.26/0.24           | 22/20                     | 2700/3100   | 95/115         | 0.33/0.38                               | 44/49       | 550        |
| SP101A | 1123HSL.GN | ◎ Sleeve | 115                  | 50/60      | 0.21/0.18           | 20/18                     | 2550/2900   | 85/105         | 0.25/0.30                               | 43/48       | 550        |
| SP101A | 1123HST.GN | ◎ Sleeve | 115                  | 50/60      | 0.21/0.18           | 20/18                     | 2550/2900   | 85/105         | 0.25/0.30                               | 43/48       | 550        |
| SP102A | 1123MSL.GN | ◎ Sleeve | 115                  | 50/60      | 0.17/0.16           | 15/15                     | 2400/2600   | 78/84          | 0.14/0.21                               | 33/38       | 550        |
| SP102A | 1123MST.GN | ◎ Sleeve | 115                  | 50/60      | 0.17/0.16           | 15/15                     | 2400/2600   | 78/84          | 0.14/0.21                               | 33/38       | 550        |
| SP103A | 1123LSL.GN | ◎ Sleeve | 115                  | 50/60      | 0.11/0.13           | 11/11                     | 2200/2000   | 76/70          | 0.12/0.08                               | 38/36       | 550        |
| SP103A | 1123LST.GN | ◎ Sleeve | 115                  | 50/60      | 0.11/0.13           | 11/11                     | 2200/2000   | 76/70          | 0.12/0.08                               | 38/36       | 550        |
| SP100A | 1123XBL.GN | ○ BALL   | 115                  | 50/60      | 0.26/0.24           | 22/20                     | 2850/3150   | 97/117         | 0.34/0.39                               | 45/50       | 550        |
| SP100A | 1123XBT.GN | ○ BALL   | 115                  | 50/60      | 0.26/0.24           | 22/20                     | 2850/3150   | 97/117         | 0.34/0.39                               | 45/50       | 550        |
| SP101A | 1123HBL.GN | ○ BALL   | 115                  | 50/60      | 0.21/0.18           | 20/18                     | 2750/3050   | 87/107         | 0.26/0.32                               | 45/50       | 550        |
| SP101A | 1123HBT.GN | ○ BALL   | 115                  | 50/60      | 0.21/0.18           | 20/18                     | 2750/3050   | 87/107         | 0.26/0.32                               | 45/50       | 550        |
| SP102A | 1123MBL.GN | ○ BALL   | 115                  | 50/60      | 0.17/0.16           | 16/15                     | 2500/2700   | 80/88          | 0.15/0.22                               | 35/40       | 550        |
| SP102A | 1123MBT.GN | ○ BALL   | 115                  | 50/60      | 0.17/0.16           | 16/15                     | 2500/2700   | 80/88          | 0.15/0.22                               | 35/40       | 550        |
| SP103A | 1123LBL.GN | ○ BALL   | 115                  | 50/60      | 0.13/0.11           | 11/11                     | 2150/2300   | 72/78          | 0.09/0.13                               | 37/39       | 550        |
| SP103A | 1123LBT.GN | ○ BALL   | 115                  | 50/60      | 0.13/0.11           | 11/11                     | 2150/2300   | 72/78          | 0.09/0.13                               | 37/39       | 550        |

Frame : Aluminum alloy



UNITS:mm

