

### General Specifications

**Motor Protection:**

Auto Restart/Polarity Protection

**Insulation Resistance:**

10M Ω or over with a DC500V Megger

**Dielectric Withstand Voltage: AC 700V 1s**

**Allowable Ambient Temperature Range:**

K-L Class: -10°C ~ +70°C (Operating)  
 M Class: -10°C ~ +60°C (Operating)  
 -40°C ~ +70°C (Storage)  
 (non-condensing environment)

### Expected Life

**Failure Rate: 10%**

25°C 50,000 Hours

### Material

Casing : Plastic (Black) UL94V-0

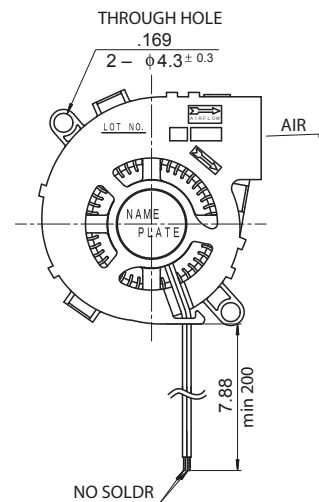
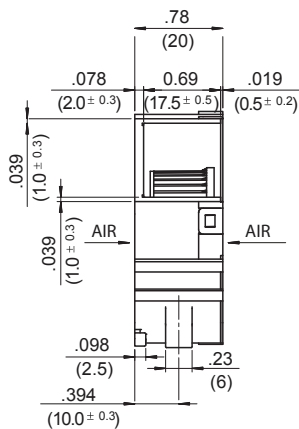
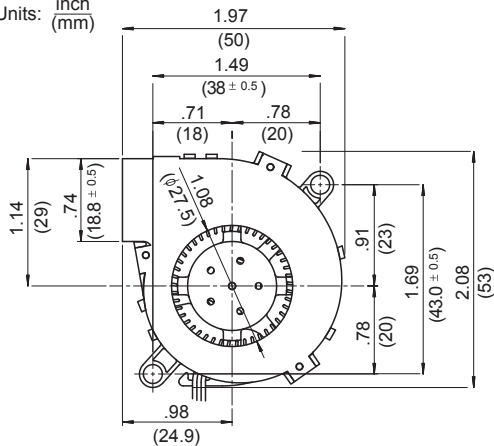
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL1061, AWG26, +Red, -Black

### Outline

Units:  $\frac{\text{inch}}{\text{(mm)}}$



### Specifications

| MODEL             | LEGACY P/N         | Rated Voltage | Operating Voltage | Current           | Input Power       | Speed                              | Max. Air Flow     |                                     | Max. Static Pressure |                    | Noise (dB) <sup>*1</sup> | Mass (g) |
|-------------------|--------------------|---------------|-------------------|-------------------|-------------------|------------------------------------|-------------------|-------------------------------------|----------------------|--------------------|--------------------------|----------|
|                   |                    | (V)           | (V)               | (A) <sup>*1</sup> | (W) <sup>*1</sup> | (min <sup>-1</sup> ) <sup>*1</sup> | CFM <sup>*1</sup> | (m <sup>3</sup> /min) <sup>*1</sup> | in H <sub>2</sub> O  | (Pa) <sup>*1</sup> |                          |          |
| 05020GA-05L-AA-00 | BM5020-01W-B30-L00 | 5             | 4.5 ~ 5.5         | 0.34              | 1.70              | 4600                               | 4.6               | 0.13                                | .50                  | 124                | 27.0                     | 30       |
| 05020GA-12K-AA-00 | BM5020-04W-B20-L00 | 12            | 4.5 ~ 13.8        | 0.07              | 0.84              | 3600                               | 3.5               | 0.10                                | .30                  | 75                 | 20.0                     | 30       |
| 05020GA-12M-AA-00 | BM5020-04W-B40-L00 | 12            | 4.5 ~ 13.8        | 0.18              | 2.16              | 5600                               | 5.6               | 0.16                                | .74                  | 184                | 32.0                     | 30       |
| 05020GA-24M-AA-00 | BM5020-05W-B40-L00 | 24            | 12.0 ~ 25.2       | 0.08              | 1.92              | 5600                               | 5.6               | 0.16                                | .74                  | 184                | 32.0                     | 30       |

Rotation: Clockwise label side

\*1: Average Values in Free Air

PWM/Locked Rotor/Tach Available

### Characteristic Curves

