

## 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

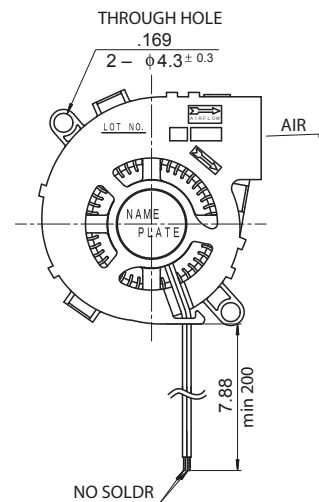
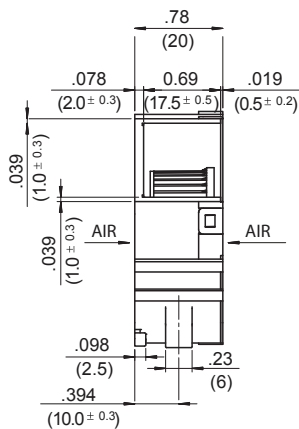
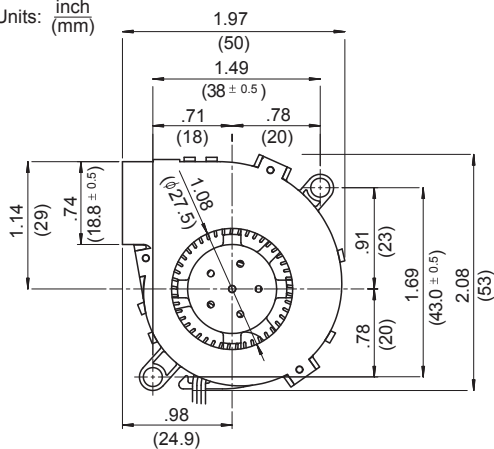
Impeller : Plastic (Black) UL94V-0

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	Mass
		(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>	(dB) <sup>*1</sup>	(g)
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

