

# 2004KL (50<sup>□</sup> X 10<sup>L</sup>)

# NMB-MAT

EMINEBEA.COM

## General Specifications

### Motor Protection:

Auto Restart/Polarity Protection

**Insulation Resistance:** 10M  $\Omega$  or over with a DC500V Megger

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

### Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

(non-condensing environment)

## Expected Life

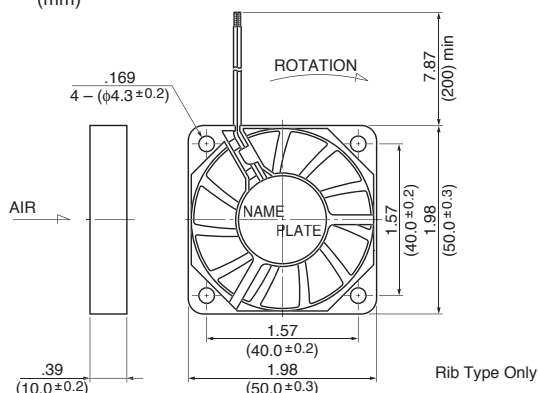
### Failure Rate: 10%

25°C 60,000 Hours (B00)

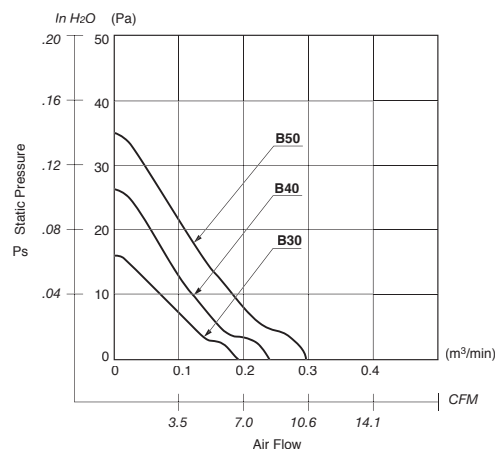
25°C 50,000 Hours (M00)

## Outline

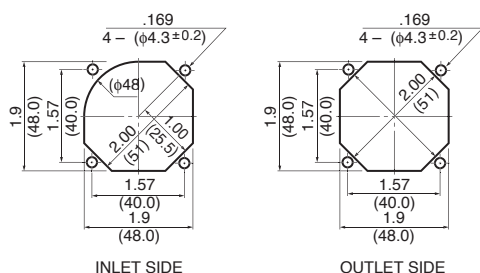
Units:  $\frac{\text{inch}}{(\text{mm})}$



## Characteristic Curves



## Panel Cut-outs



## Material

Casing : Plastic (Black) 94V-0

Impeller : Plastic (Black) 94V-0

Bearing : Ball Bearing

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

## Specifications

| MODEL           | Product No. | 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> | (m³/min) <sup>*1</sup> | in H <sub>2</sub> O  | (Pa) <sup>*1</sup> | (dB) <sup>*1</sup> | (g)  |
| 2004KL-01W-B30- | X00         | 5             | 4.5 ~ 6.0         | 0.10              | 0.50              | 3500                               | 6.4               | 0.18                   | .06                  | 16.0               | 23.0               | 20   |
| 2004KL-01W-B40- | X00         | 5             | 4.5 ~ 6.0         | 0.16              | 0.80              | 4500                               | 8.1               | 0.23                   | .10                  | 26.0               | 28.5               | 20   |
| 2004KL-01W-B50- | X00         | 5             | 4.5 ~ 6.0         | 0.30              | 1.50              | 5500                               | 10.2              | 0.29                   | .14                  | 35.0               | 34.0               | 20   |
| 2004KL-04W-B30- | X00         | 12            | 10.2 ~ 13.8       | 0.04              | 0.48              | 3500                               | 6.4               | 0.18                   | .06                  | 16.0               | 23.0               | 20   |
| 2004KL-04W-B40- | X00         | 12            | 10.2 ~ 13.8       | 0.07              | 0.84              | 4500                               | 8.1               | 0.23                   | .10                  | 26.0               | 28.5               | 20   |
| 2004KL-04W-B50- | X00         | 12            | 10.2 ~ 13.8       | 0.10              | 1.20              | 5500                               | 10.2              | 0.29                   | .14                  | 35.0               | 34.0               | 20   |

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

\*1: Average Values in Free Air