

# 3110KL (80<sup>□</sup> x 25<sup>L</sup>)



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:

B70 Class: -10°C ~ +60°C (Operating)

B10~B60 Class: -10°C ~ +70°C (Operating)

All Class: -40°C ~ +70°C (Storage)  
(non-condensing environment)

## Expected Life

### Failure Rate: 10%

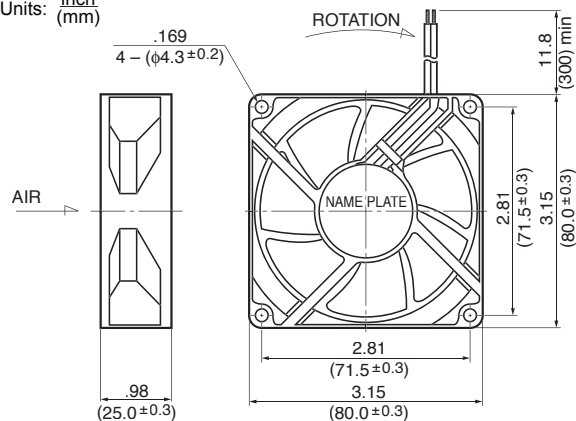
25°C 100,000 Hours (E00)

25°C 70,000 Hours (G00,D00)

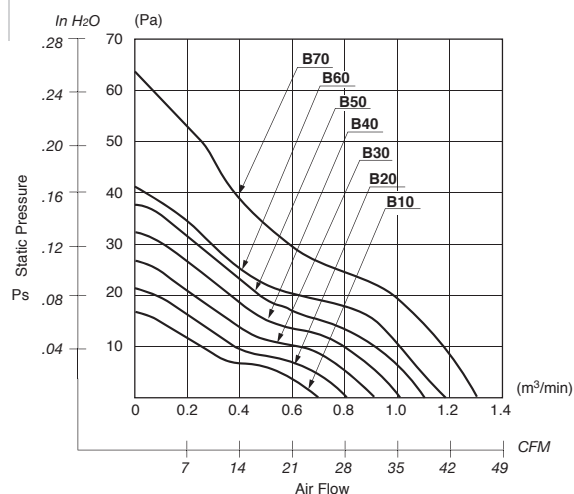
25°C 60,000 Hours (C00, F00)

## Outline

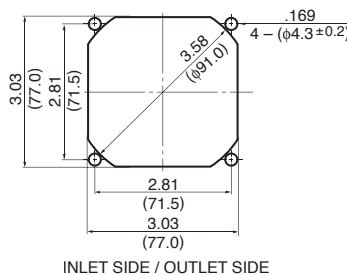
Units:  $\frac{\text{inch}}{\text{mm}}$



## Characteristic Curves



## Panel Cut-outs



## Material

Casing : Plastic (Black) 94V-0

Impeller : Plastic (Black) 94V-0

Bearing : Ball Bearing

Lead Wire: UL1007, AWG24, +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)*1   | (W)*1       | (min <sup>-1</sup> )*1 | CFM*1         | (m <sup>3</sup> /min)*1 | in H <sub>2</sub> O  | (Pa)*1 | (dB)*1 | (g)  |
| 3110KL-04W-B10- | X00         | 12            | 6.0 ~ 13.8        | 0.10    | 1.20        | 2150                   | 24.7          | 0.70                    | .07                  | 16.7   | 22.0   | 95   |
| 3110KL-04W-B20- | X00         | 12            | 6.0 ~ 13.8        | 0.11    | 1.32        | 2400                   | 28.2          | 0.80                    | .08                  | 21.6   | 25.0   | 95   |
| 3110KL-04W-B30- | X00         | 12            | 6.0 ~ 13.8        | 0.17    | 2.04        | 2700                   | 31.8          | 0.90                    | .10                  | 26.5   | 28.0   | 95   |
| 3110KL-04W-B40- | X00         | 12            | 6.0 ~ 13.8        | 0.20    | 2.40        | 3000                   | 35.3          | 1.00                    | .13                  | 32.3   | 31.0   | 95   |
| 3110KL-04W-B50- | X00         | 12            | 6.0 ~ 13.8        | 0.23    | 2.76        | 3250                   | 38.8          | 1.10                    | .15                  | 37.2   | 34.0   | 95   |
| 3110KL-04W-B60- | X00         | 12            | 6.0 ~ 13.0        | 0.26    | 3.12        | 3400                   | 40.2          | 1.14                    | .16                  | 40.2   | 35.0   | 95   |
| 3110KL-04W-B70- | X00         | 12            | 6.0 ~ 13.8        | 0.29    | 3.86        | 4000                   | 45.9          | 1.30                    | .26                  | 64.4   | 40.0   | 95   |
| 3110KL-05W-B10- | X00         | 24            | 10.0 ~ 27.6       | 0.06    | 1.44        | 2150                   | 24.7          | 0.70                    | .07                  | 16.7   | 22.0   | 95   |
| 3110KL-05W-B20- | X00         | 24            | 10.0 ~ 27.6       | 0.07    | 1.68        | 2400                   | 28.2          | 0.80                    | .08                  | 21.6   | 25.0   | 95   |
| 3110KL-05W-B30- | X00         | 24            | 10.0 ~ 27.6       | 0.08    | 1.92        | 2700                   | 31.8          | 0.90                    | .10                  | 26.5   | 28.0   | 95   |
| 3110KL-05W-B40- | X00         | 24            | 10.0 ~ 27.6       | 0.10    | 2.40        | 3000                   | 35.3          | 1.00                    | .13                  | 32.3   | 31.0   | 95   |
| 3110KL-05W-B50- | X00         | 24            | 10.0 ~ 27.6       | 0.12    | 2.88        | 3250                   | 38.8          | 1.10                    | .15                  | 37.2   | 34.0   | 95   |
| 3110KL-05W-B60- | X00         | 24            | 10.0 ~ 26.4       | 0.14    | 3.36        | 3400                   | 40.2          | 1.14                    | .16                  | 40.2   | 35.0   | 95   |

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

\*1: Average Values in Free Air