

## General Specifications

**Motor Structure:** Shaded Pole Induction Motor

**Motor Protection:** Impedance 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)

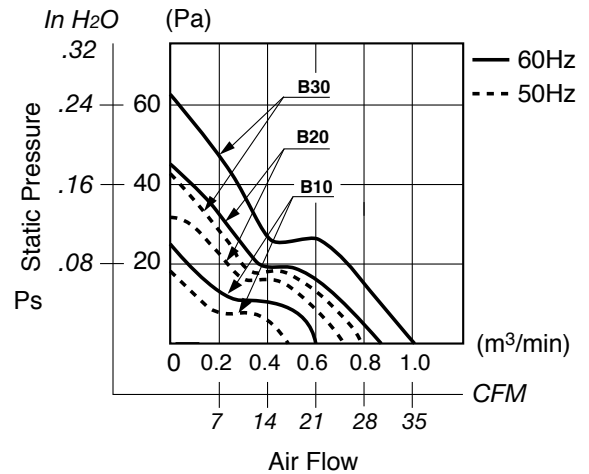
(non-condensing environment)

## Expected Life

**Failure Rate:** 10%

25°C 50,000 Hours

## Characteristic Curves



## Material

Casing : Aluminum

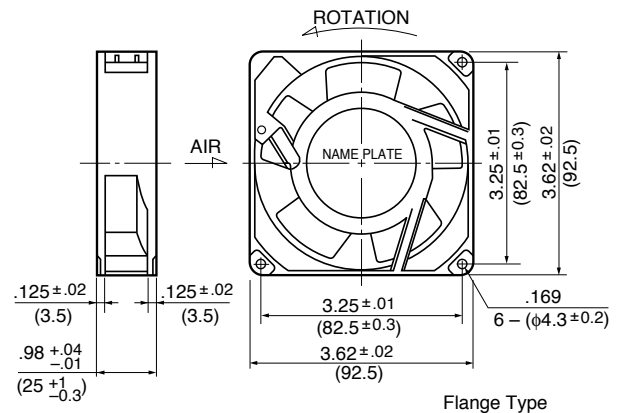
Impeller : Polycarbonate  
(Glass Fiber-Containing)

Bearing : Ball Bearing

Lead Wire : AWG22, UL3266, CSA CL1252

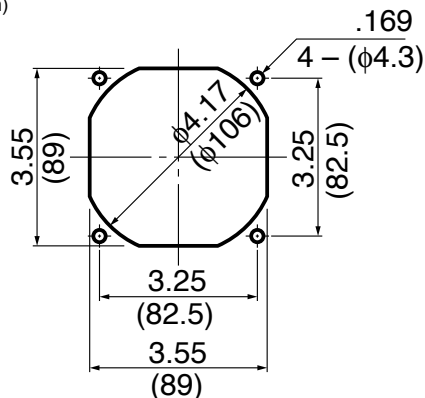
or Terminal : Faston #110 or equivalent

## Outline



## Panel Cut-Outs

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



INLET SIDE / OUTLET SIDE

## Specifications

|    | MODEL              | Rated Voltage | Frequency | Starting Voltage | Current           | Input Power                  | Speed                              | Max. Air Flow |                                     | Max. Static Pressure |                    | Noise              | Mass |
|----|--------------------|---------------|-----------|------------------|-------------------|------------------------------|------------------------------------|---------------|-------------------------------------|----------------------|--------------------|--------------------|------|
|    |                    | (V)           | (Hz)      | (V)              | (A) <sup>*1</sup> | (W) <sup>+10%<br/>-20%</sup> | (min <sup>-1</sup> ) <sup>*3</sup> | CFM           | (m <sup>3</sup> /min) <sup>*3</sup> | in H <sub>2</sub> O  | (Pa) <sup>*3</sup> | (dB) <sup>*2</sup> | (g)  |
| ** | 3610PS-10T-B30-B00 | 100           | 50        | 65               | 0.190             | 13.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 33.5               | 300  |
|    |                    | 100           | 60        | 65               | 0.150             | 10.0                         | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 38.0               | 300  |
|    | 3610PS-12T-B30-A00 | 115           | 50        | 75               | 0.170             | 12.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 33.5               | 300  |
|    |                    | 115           | 60        | 75               | 0.130             | 9.0                          | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 38.0               | 300  |
| ** | 3610PS-20T-B30-B00 | 200           | 50        | 130              | 0.100             | 13.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 33.5               | 300  |
|    |                    | 200           | 60        | 130              | 0.080             | 10.0                         | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 38.0               | 300  |
| ** | 3610PS-22T-B30-B00 | 220           | 50        | 165              | 0.100             | 13.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 34.0               | 300  |
|    |                    | 220           | 60        | 165              | 0.080             | 10.0                         | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 39.0               | 300  |
| ** | 3610PS-23T-B30-A00 | 230           | 50        | 180              | 0.090             | 13.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 34.0               | 300  |
|    |                    | 230           | 60        | 180              | 0.070             | 10.0                         | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 39.0               | 300  |
| ** | 3610PS-24T-B30-A00 | 240           | 50        | 180              | 0.085             | 13.0                         | 2600                               | 28.0          | 0.80                                | .17                  | 43.1               | 34.0               | 300  |
|    |                    | 240           | 60        | 180              | 0.065             | 10.0                         | 3100                               | 34.5          | 0.98                                | .24                  | 60.7               | 39.0               | 300  |
| ** | 3610PS-10T-B20-B00 | 100           | 50        | 65               | 0.095             | 7.0                          | 2100                               | 21.0          | 0.60                                | .11                  | 27.4               | 30.0               | 300  |
|    |                    | 100           | 60        | 65               | 0.085             | 6.0                          | 2500                               | 28.0          | 0.80                                | .16                  | 39.2               | 35.0               | 300  |
|    | 3610PS-12T-B20-A00 | 115           | 50        | 75               | 0.095             | 7.0                          | 2100                               | 21.0          | 0.60                                | .12                  | 29.4               | 30.0               | 300  |
|    |                    | 115           | 60        | 75               | 0.090             | 6.0                          | 2500                               | 28.0          | 0.80                                | .16                  | 39.2               | 35.0               | 300  |
| ** | 3610PS-20T-B20-B00 | 200           | 50        | 130              | 0.060             | 7.0                          | 2100                               | 22.9          | 0.65                                | .11                  | 27.4               | 30.0               | 300  |
|    |                    | 200           | 60        | 160              | 0.050             | 6.0                          | 2500                               | 28.0          | 0.80                                | .16                  | 39.0               | 35.0               | 300  |
| ** | 3610PS-22T-B20-B00 | 220           | 50        | 165              | 0.050             | 6.5                          | 2100                               | 21.0          | 0.60                                | .12                  | 29.4               | 30.0               | 300  |
|    |                    | 220           | 60        | 165              | 0.050             | 5.5                          | 2500                               | 28.0          | 0.80                                | .15                  | 38.2               | 35.0               | 300  |
|    | 3610PS-23T-B20-A00 | 230           | 50        | 180              | 0.050             | 7.0                          | 2100                               | 21.0          | 0.60                                | .12                  | 29.4               | 30.0               | 300  |
|    |                    | 230           | 60        | 180              | 0.050             | 6.0                          | 2500                               | 28.0          | 0.80                                | .16                  | 39.2               | 35.0               | 300  |
| ** | 3610PS-24T-B20-A00 | 240           | 50        | 180              | 0.050             | 9.0                          | 2100                               | 21.0          | 0.60                                | .12                  | 29.4               | 30.0               | 300  |
|    |                    | 240           | 60        | 180              | 0.050             | 8.0                          | 2500                               | 28.0          | 0.80                                | .16                  | 39.2               | 35.0               | 300  |
| ** | 3610PS-10T-B10-B00 | 100           | 50        | 65               | 0.100             | 7.0                          | 1450                               | 16.0          | 0.46                                | .05                  | 13.7               | 23.0               | 300  |
|    |                    | 100           | 60        | 65               | 0.090             | 6.0                          | 1800                               | 20.0          | 0.58                                | .08                  | 19.6               | 26.0               | 300  |
|    | 3610PS-12T-B10-A00 | 115           | 50        | 75               | 0.090             | 7.0                          | 1450                               | 16.0          | 0.46                                | .05                  | 13.7               | 22.0               | 300  |
|    |                    | 115           | 60        | 75               | 0.080             | 6.0                          | 1800                               | 20.0          | 0.58                                | .08                  | 19.6               | 25.0               | 300  |
| ** | 3610PS-20T-B10-B00 | 200           | 50        | 130              | 0.045             | 7.0                          | 1500                               | 16.0          | 0.46                                | .05                  | 13.7               | 24.0               | 300  |
|    |                    | 200           | 60        | 130              | 0.040             | 6.0                          | 1900                               | 21.0          | 0.60                                | .08                  | 19.6               | 27.0               | 300  |
| ** | 3610PS-22T-B10-B00 | 220           | 50        | 165              | 0.050             | 8.0                          | 1450                               | 16.0          | 0.46                                | .05                  | 13.7               | 23.0               | 300  |
|    |                    | 220           | 60        | 165              | 0.040             | 7.0                          | 1800                               | 21.0          | 0.60                                | .08                  | 19.6               | 26.0               | 300  |
|    | 3610PS-23T-B10-A00 | 230           | 50        | 180              | 0.050             | 7.0                          | 1450                               | 16.0          | 0.46                                | .05                  | 13.7               | 22.0               | 300  |
|    |                    | 230           | 60        | 180              | 0.040             | 6.0                          | 1800                               | 20.0          | 0.58                                | .08                  | 19.6               | 26.0               | 300  |
| ** | 3610PS-24T-B10-A00 | 240           | 50        | 180              | 0.050             | 8.0                          | 1450                               | 16.0          | 0.46                                | .05                  | 13.7               | 24.0               | 300  |
|    |                    | 240           | 60        | 180              | 0.045             | 7.0                          | 1800                               | 21.0          | 0.60                                | .08                  | 19.6               | 27.0               | 300  |

Rotation: Counterclockwise

Airflow Outlet: Air Out Over Struts

\*1: Maximum Values in Free Air

\*\* Contact NMB for Availability

\*2: Average Values in Free Air

\*3: Minimum Values in Free Air