

## General Specifications

Motor Structure: Shaded Pole Induction Motor

Motor Protection: Impedance Protection

Insulation Resistance:

100M  $\Omega$  or over with a DC500V Megger

Dielectric Withstand Voltage: AC 1800V 3s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

(non-condensing environment)

## Expected Life

Failure Rate: 10%

25°C 100,000 Hours

## Material

Casing : Aluminum (Black Painting)

Impeller : Plastic (Black) UL94V-0

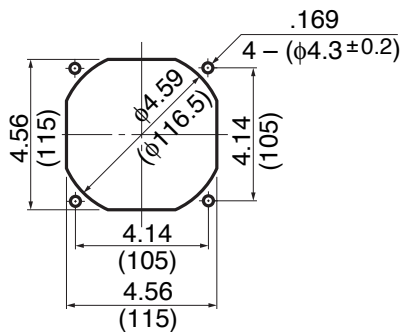
Bearing : Ball Bearing

Lead Wire : AWG22, UL3266

or Terminal : Faston #110 or equivalent

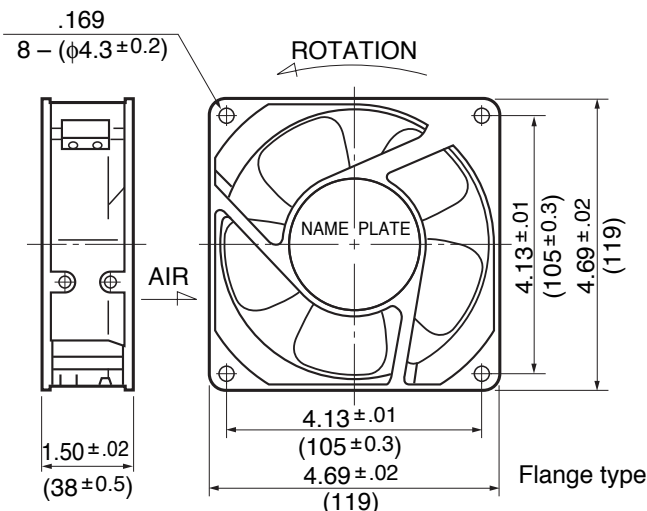
## Panel Cut-Outs

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

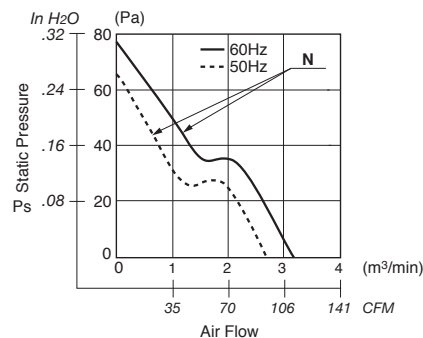
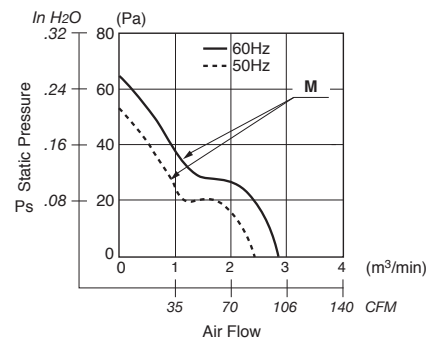
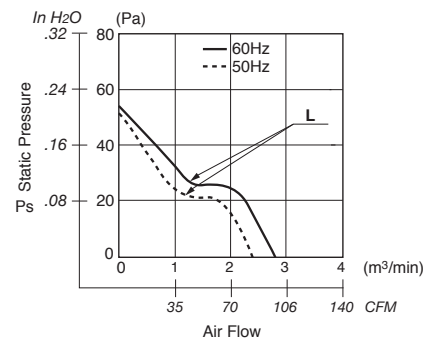
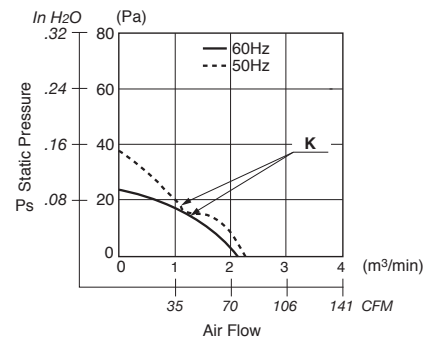
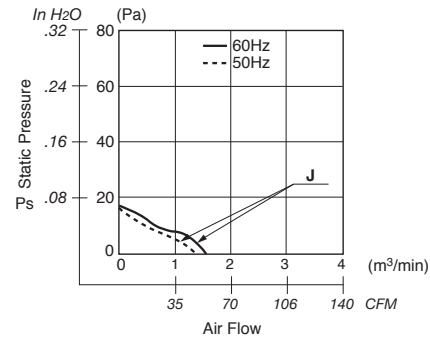


INLET SIDE / OUTLET SIDE

## Outline



## Characteristic Curves



## Specifications

| MODEL             | LEGACY P/N         | 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)         | (min <sup>-1</sup> ) <sup>2</sup> | CFM <sup>1</sup> | (m <sup>3</sup> /min) <sup>2</sup> | in H <sub>2</sub> O  | (Pa) <sup>2</sup> | (dB) <sup>2</sup> | (g)  |
| 11938MB-A0J-EA-00 | 4715MS-10T-B10-B00 | 100           | 50        | 65               | 0.11             | 7.0         | 1350                              | 45.9             | 1.30                               | .06                  | 14.0              | 27.0              | 550  |
|                   |                    | 100           | 60        | 65               | 0.10             | 6.5         | 1450                              | 49.4             | 1.40                               | .06                  | 15.0              | 28.0              | 550  |
| 11938MB-A0K-EA-00 | 4715MS-10T-B20-B00 | 100           | 50        | 65               | 0.13             | 8.0         | 2100                              | 70.6             | 2.00                               | .14                  | 35.3              | 32.0              | 550  |
|                   |                    | 100           | 60        | 65               | 0.12             | 8.0         | 1900                              | 67.1             | 1.90                               | .10                  | 24.6              | 30.0              | 550  |
| 11938MB-A0L-EA-00 | 4715MS-10T-B30-B00 | 100           | 50        | 65               | 0.19             | 11.0        | 2400                              | 81.2             | 2.30                               | .19                  | 48.1              | 34.0              | 550  |
|                   |                    | 100           | 60        | 65               | 0.17             | 10.0        | 2600                              | 88.3             | 2.50                               | .18                  | 46.1              | 37.0              | 550  |
| 11938MB-A0M-EA-00 | 4715MS-10T-B40-B00 | 100           | 50        | 65               | 0.25             | 15.0        | 2450                              | 84.7             | 2.40                               | .21                  | 52.0              | 35.0              | 550  |
|                   |                    | 100           | 60        | 65               | 0.22             | 13.0        | 2750                              | 95.3             | 2.70                               | .23                  | 58.0              | 39.0              | 550  |
| 11938MB-A0N-EA-00 | 4715MS-10T-B50-B00 | 100           | 50        | 65               | 0.27             | 15.0        | 2600                              | 88.3             | 2.50                               | .26                  | 64.7              | 37.0              | 550  |
|                   |                    | 100           | 60        | 65               | 0.23             | 14.0        | 2900                              | 102.4            | 2.90                               | .31                  | 76.4              | 41.0              | 550  |
| 11938MB-A1J-EA-00 | 4715MS-12T-B10-A00 | 115           | 50        | 75               | 0.09             | 6.0         | 1350                              | 45.9             | 1.30                               | .06                  | 15.6              | 27.0              | 550  |
|                   |                    | 115           | 60        | 75               | 0.08             | 5.5         | 1450                              | 49.4             | 1.40                               | .07                  | 16.6              | 28.0              | 550  |
| 11938MB-A1K-EA-00 | 4715MS-12T-B20-A00 | 115           | 50        | 75               | 0.10             | 7.0         | 2100                              | 76.6             | 2.00                               | .14                  | 35.2              | 32.0              | 550  |
|                   |                    | 115           | 60        | 75               | 0.10             | 7.0         | 1950                              | 67.0             | 1.90                               | .10                  | 24.5              | 30.0              | 550  |
| 11938MB-A1L-EA-00 | 4715MS-12T-B30-A00 | 115           | 50        | 75               | 0.16             | 11.0        | 2400                              | 81.0             | 2.30                               | .20                  | 49.9              | 34.0              | 550  |
|                   |                    | 115           | 60        | 75               | 0.14             | 10.0        | 2600                              | 88.2             | 2.50                               | .20                  | 49.9              | 37.0              | 550  |
| 11938MB-A1M-EA-00 | 4715MS-12T-B40-A00 | 115           | 50        | 75               | 0.22             | 15.0        | 2450                              | 85.0             | 2.40                               | .20                  | 50.9              | 35.0              | 550  |
|                   |                    | 115           | 60        | 75               | 0.19             | 13.0        | 2750                              | 95.0             | 2.70                               | .26                  | 64.6              | 39.0              | 550  |
| 11938MB-A1N-EA-00 | 4715MS-12T-B50-A00 | 115           | 50        | 65               | 0.25             | 15.5        | 2600                              | 88.2             | 2.50                               | .26                  | 64.6              | 37.0              | 550  |
|                   |                    | 115           | 60        | 65               | 0.21             | 14.5        | 2900                              | 102.0            | 2.90                               | .31                  | 76.4              | 41.0              | 550  |
| 11938MB-B0J-EA-00 | 4715MS-20T-B10-B00 | 200           | 50        | 130              | 0.06             | 6.0         | 1350                              | 45.9             | 1.30                               | .06                  | 14.0              | 27.0              | 550  |
|                   |                    | 200           | 60        | 130              | 0.05             | 5.5         | 1450                              | 49.4             | 1.40                               | .06                  | 15.0              | 28.0              | 550  |
| 11938MB-B0K-EA-00 | 4715MS-20T-B20-B00 | 200           | 50        | 130              | 0.06             | 7.0         | 2100                              | 70.6             | 2.00                               | .13                  | 32.3              | 32.0              | 550  |
|                   |                    | 200           | 60        | 130              | 0.06             | 7.0         | 1900                              | 67.1             | 1.90                               | .08                  | 20.5              | 30.0              | 550  |
| 11938MB-B0L-EA-00 | 4715MS-20T-B30-B00 | 200           | 50        | 130              | 0.09             | 10.0        | 2400                              | 81.2             | 2.30                               | .19                  | 48.1              | 34.0              | 550  |
|                   |                    | 200           | 60        | 130              | 0.08             | 10.0        | 2600                              | 88.3             | 2.50                               | .18                  | 46.1              | 37.0              | 550  |
| 11938MB-B0M-EA-00 | 4715MS-20T-B40-B00 | 200           | 50        | 130              | 0.13             | 15.0        | 2450                              | 84.7             | 2.40                               | .21                  | 52.0              | 35.0              | 550  |
|                   |                    | 200           | 60        | 130              | 0.11             | 13.0        | 2750                              | 95.3             | 2.70                               | .23                  | 58.0              | 39.0              | 550  |
| 11938MB-B0N-EA-00 | 4715MS-20T-B50-B00 | 200           | 50        | 130              | 0.14             | 15.0        | 2600                              | 88.3             | 2.50                               | .26                  | 64.7              | 37.0              | 550  |
|                   |                    | 200           | 60        | 130              | 0.12             | 13.0        | 2900                              | 102.4            | 2.90                               | .31                  | 76.5              | 41.0              | 550  |
| 11938MB-B2J-EA-00 | 4715MS-22T-B10-B00 | 220           | 50        | 145              | 0.05             | 6.0         | 1350                              | 45.9             | 1.30                               | .06                  | 14.0              | 27.0              | 550  |
|                   |                    | 220           | 60        | 145              | 0.04             | 5.5         | 1450                              | 49.4             | 1.40                               | .06                  | 15.0              | 28.0              | 550  |
| 11938MB-B2K-EA-00 | 4715MS-22T-B20-B00 | 220           | 50        | 145              | 0.06             | 7.0         | 2100                              | 70.6             | 2.00                               | .13                  | 31.4              | 32.0              | 550  |
|                   |                    | 220           | 60        | 145              | 0.06             | 7.0         | 1900                              | 67.1             | 1.90                               | .08                  | 19.6              | 30.0              | 550  |
| 11938MB-B2L-EA-00 | 4715MS-22T-B30-B00 | 220           | 50        | 145              | 0.09             | 11.0        | 2400                              | 81.2             | 2.30                               | .19                  | 48.1              | 34.0              | 550  |
|                   |                    | 220           | 60        | 145              | 0.08             | 10.0        | 2600                              | 88.3             | 2.50                               | .18                  | 46.1              | 37.0              | 550  |
| 11938MB-B2M-EA-00 | 4715MS-22T-B40-B00 | 220           | 50        | 145              | 0.11             | 14.0        | 2450                              | 84.7             | 2.40                               | .21                  | 52.0              | 35.0              | 550  |
|                   |                    | 220           | 60        | 145              | 0.10             | 12.0        | 2750                              | 95.3             | 2.70                               | .23                  | 58.0              | 39.0              | 550  |
| 11938MB-B2N-EA-00 | 4715MS-22T-B50-B00 | 220           | 50        | 145              | 0.12             | 14.0        | 2600                              | 88.3             | 2.50                               | .26                  | 63.8              | 37.0              | 550  |
|                   |                    | 220           | 60        | 145              | 0.10             | 13.0        | 2900                              | 102.4            | 2.90                               | .30                  | 75.6              | 41.0              | 550  |

## Specifications

| MODEL             | LEGACY P/N         | 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)         | (min <sup>-1</sup> ) <sup>*2</sup> | CFM <sup>*1</sup> | (m <sup>3</sup> /min) <sup>*2</sup> | in H <sub>2</sub> O  | (Pa) <sup>*2</sup> | (dB) <sup>*2</sup> | (g)  |
| 11938MB-B3J-EA-00 | 4715MS-23T-B10-A00 | 230           | 50        | 175              | 0.05              | 6.5         | 1350                               | 45.9              | 1.30                                | .06                  | 14.7               | 27.0               | 550  |
|                   |                    | 230           | 60        | 175              | 0.05              | 6.0         | 1450                               | 49.4              | 1.40                                | .59                  | 14.7               | 28.0               | 550  |
| 11938MB-B3K-EA-00 | 4715MS-23T-B20-A00 | 230           | 50        | 175              | 0.06              | 7.5         | 2100                               | 70.6              | 2.00                                | .14                  | 35.2               | 32.0               | 550  |
|                   |                    | 230           | 60        | 175              | 0.06              | 7.5         | 1900                               | 67.0              | 1.90                                | .09                  | 21.5               | 30.0               | 550  |
| 11938MB-B3L-EA-00 | 4715MS-23T-B30-A00 | 230           | 50        | 175              | 0.10              | 12.0        | 2400                               | 81.0              | 2.30                                | .20                  | 49.0               | 34.0               | 550  |
|                   |                    | 230           | 60        | 175              | 0.08              | 11.0        | 2600                               | 88.2              | 2.50                                | .21                  | 51.9               | 37.0               | 550  |
| 11938MB-B3M-EA-00 | 4715MS-23T-B40-A00 | 230           | 50        | 175              | 0.12              | 15.0        | 2450                               | 85.0              | 2.40                                | .22                  | 53.9               | 35.0               | 550  |
|                   |                    | 230           | 60        | 175              | 0.10              | 13.0        | 2750                               | 95.0              | 2.70                                | .26                  | 63.7               | 39.0               | 550  |
| 11938MB-B3N-EA-00 | 4715MS-23T-B50-A00 | 230           | 50        | 175              | 0.12              | 15.0        | 2600                               | 88.2              | 2.50                                | .26                  | 63.7               | 37.0               | 550  |
|                   |                    | 230           | 60        | 175              | 0.10              | 14.0        | 2900                               | 102.0             | 2.90                                | .28                  | 70.5               | 41.0               | 550  |
| 11938MB-B4J-EA-00 | 4715MS-24T-B10-A00 | 240           | 50        | 175              | 0.05              | 6.5         | 1350                               | 45.9              | 1.30                                | .06                  | 14.0               | 27.0               | 550  |
|                   |                    | 240           | 60        | 175              | 0.05              | 6.0         | 1450                               | 49.4              | 1.40                                | .06                  | 15.0               | 28.0               | 550  |
| 11938MB-B4K-EA-00 | 4715MS-24T-B20-A00 | 240           | 50        | 175              | 0.06              | 8.0         | 2100                               | 70.6              | 2.00                                | .15                  | 38.2               | 32.0               | 550  |
|                   |                    | 240           | 60        | 175              | 0.06              | 8.0         | 1900                               | 67.1              | 1.90                                | .10                  | 24.6               | 30.0               | 550  |
| 11938MB-B4L-EA-00 | 4715MS-24T-B30-A00 | 240           | 50        | 175              | 0.09              | 12.0        | 2400                               | 81.2              | 2.30                                | .19                  | 48.1               | 34.0               | 550  |
|                   |                    | 240           | 60        | 175              | 0.08              | 11.0        | 2600                               | 88.3              | 2.50                                | .18                  | 46.1               | 37.0               | 550  |
| 11938MB-B4M-EA-00 | 4715MS-24T-B40-A00 | 240           | 50        | 140              | 0.10              | 13.0        | 2450                               | 84.7              | 2.40                                | .21                  | 52.0               | 35.0               | 550  |
|                   |                    | 240           | 60        | 140              | 0.08              | 12.0        | 2750                               | 95.3              | 2.70                                | .23                  | 58.0               | 39.0               | 550  |
| 11938MB-B4N-EA-00 | 4715MS-24T-B50-A00 | 240           | 50        | 140              | 0.11              | 14.0        | 2600                               | 88.3              | 2.50                                | .30                  | 63.8               | 37.0               | 550  |
|                   |                    | 240           | 60        | 140              | 0.10              | 13.0        | 2900                               | 102.4             | 2.90                                | .30                  | 65.7               | 41.0               | 550  |

Rotation: Counterclockwise

Airflow Outlet: Air Out Over Struts

\*\* Contact NMB for Availability

\*1: Maximum Values in Free Air

\*2: Average Values in Free Air

\*3: Minimum Values in Free Air