

## 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:

N Class: -10°C ~ +40°C (Operating)

L ~ M Class: -10°C ~ +70°C (Operating)

L ~ M Class: -40°C ~ +70°C (Storage)

N Class: -40°C ~ +60°C (Storage)

(non-condensing environment)

## Expected Life

### Failure Rate: 10%

25°C 100,000 Hours

## Material

Casing : Plastic (Black) UL94V-0

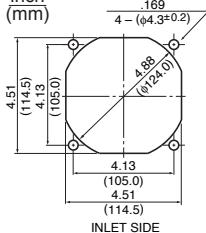
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

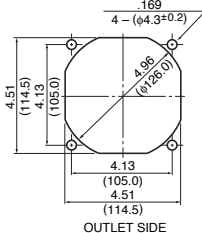
Lead Wire : UL1007, AWG24, +Red, -Black

## Panel Cut-Outs

Units: inch  
(mm)



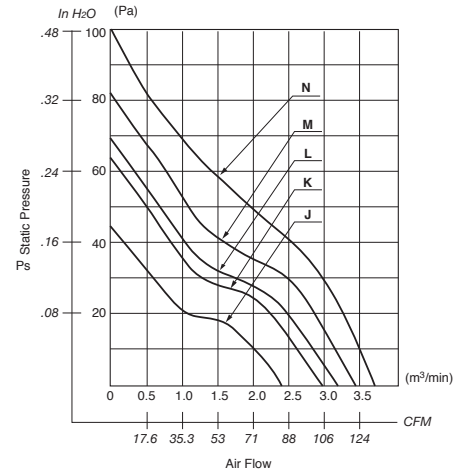
INLET SIDE



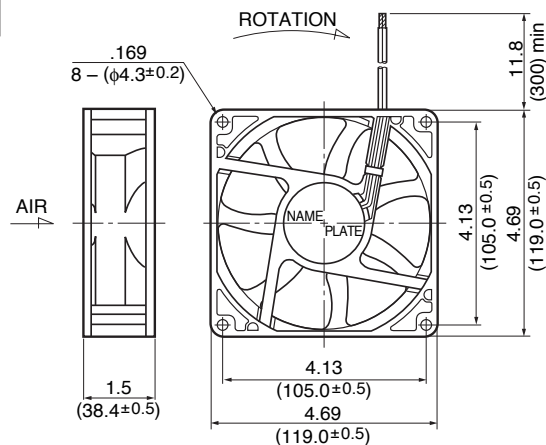
OUTLET SIDE

## Specifications

## Characteristic Curves



## Outline



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| 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)  |
| 11938KA-12J-EA-00 | 4715KL-04W-B10-E00 | 12            | 6.0 ~ 13.8        | 0.27              | 3.24              | 2300                               | 83.6              | 2.37                                | .17                  | 44.1               | 37.0               | 260  |
| 11938KA-12K-EA-00 | 4715KL-04W-B20-E00 | 12            | 6.0 ~ 13.8        | 0.40              | 4.80              | 2650                               | 97.0              | 2.75                                | .22                  | 55.9               | 41.0               | 260  |
| 11938KA-12L-EA-00 | 4715KL-04W-B30-E00 | 12            | 6.0 ~ 13.8        | 0.55              | 6.60              | 2950                               | 108.0             | 3.07                                | .27                  | 68.2               | 42.5               | 260  |
| 11938KA-12M-EA-00 | 4715KL-04W-B40-E00 | 12            | 6.0 ~ 13.8        | 0.70              | 8.40              | 3200                               | 118.0             | 3.34                                | .33                  | 81.4               | 46.5               | 260  |
| 11938KA-12N-EA-00 | 4715KL-04W-B50-E00 | 12            | 9.5 ~ 12.6        | 1.00              | 12.00             | 3600                               | 129.9             | 3.68                                | .44                  | 110.0              | 50.0               | 260  |
| 11938KA-24J-EA-00 | 4715KL-05W-B10-E00 | 24            | 10.0 ~ 27.6       | 0.15              | 3.60              | 2300                               | 83.6              | 2.37                                | .17                  | 44.1               | 37.0               | 260  |
| 11938KA-24K-EA-00 | 4715KL-05W-B20-E00 | 24            | 10.0 ~ 27.6       | 0.21              | 5.04              | 2650                               | 97.0              | 2.75                                | .22                  | 55.9               | 41.0               | 260  |
| 11938KA-24L-EA-00 | 4715KL-05W-B30-E00 | 24            | 10.0 ~ 27.6       | 0.31              | 7.44              | 2950                               | 108.0             | 3.07                                | .27                  | 68.2               | 42.5               | 260  |
| 11938KA-24M-EA-00 | 4715KL-05W-B40-E00 | 24            | 10.0 ~ 27.6       | 0.35              | 8.40              | 3200                               | 118.0             | 3.34                                | .33                  | 81.4               | 46.5               | 260  |
| 11938KA-24N-EA-00 | 4715KL-05W-B50-E00 | 24            | 18.0 ~ 25.0       | 0.50              | 12.00             | 3600                               | 130.0             | 3.68                                | .44                  | 110.0              | 50.0               | 260  |
| 11938KA-48J-EA-00 | 4715KL-07W-B10-E00 | 48            | 25.0 ~ 55.2       | 0.08              | 3.84              | 2300                               | 83.6              | 2.37                                | .17                  | 44.1               | 37.0               | 260  |
| 11938KA-48K-EA-00 | 4715KL-07W-B20-E00 | 48            | 25.0 ~ 55.2       | 0.11              | 5.28              | 2650                               | 97.0              | 2.75                                | .22                  | 55.9               | 41.0               | 260  |
| 11938KA-48L-EA-00 | 4715KL-07W-B30-E00 | 48            | 25.0 ~ 55.2       | 0.16              | 7.68              | 2950                               | 108.0             | 3.07                                | .27                  | 68.2               | 42.5               | 260  |
| 11938KA-48M-EA-00 | 4715KL-07W-B40-E00 | 48            | 25.0 ~ 55.2       | 0.20              | 9.60              | 3200                               | 118.0             | 3.34                                | .33                  | 81.4               | 46.5               | 260  |
| 11938KA-48N-EA-00 | 4715KL-07W-B50-E00 | 48            | 30.0 ~ 60.0       | 0.16              | 7.68              | 3600                               | 130.0             | 3.68                                | .44                  | 110.0              | 50.0               | 260  |

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

\*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

\*\* Contact NMB for availability