



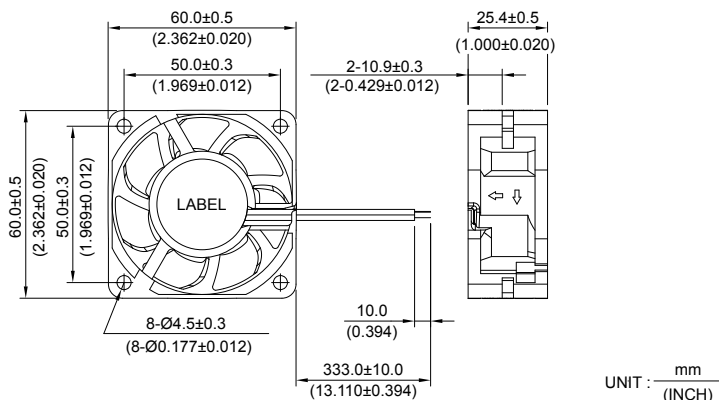
*New*



- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Frame : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1061 AWG #24 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 90g (3.17 oz)

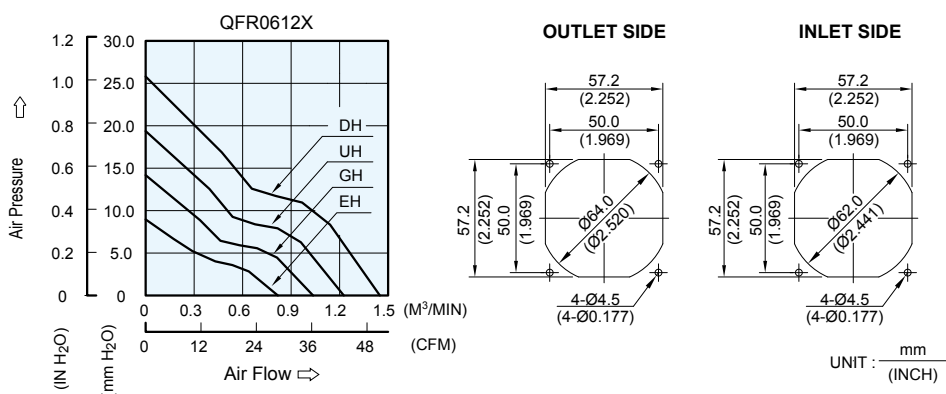
## QFR 60 x 60 x 25.4 MM SERIES

### ■ DIMENSIONS DRAWING



### ■ P & Q CURVE (AT RATED VOLTAGE)

### ■ MOUNTING PANEL CUTOUT



| MODEL       |             | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |       | Maximum Air Pressure |                     | Noise |
|-------------|-------------|---------------|-------------------------|---------------|-------------|--------|---------------------|-------|----------------------|---------------------|-------|
| PART NO.    | FUNCTION    | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM   | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0612EH-B | -R00 / -F00 | 12            | 7.0 to 13.2             | 0.20          | 2.40        | 6000   | 0.818               | 28.89 | 8.96                 | 0.353               | 39.0  |
| QFR0612GH-B | -R00 / -F00 | 12            | 7.0 to 13.2             | 0.30          | 3.60        | 7600   | 1.036               | 36.59 | 14.18                | 0.558               | 44.7  |
| QFR0612UH-B | -R00 / -F00 | 12            | 7.0 to 13.2             | 0.47          | 5.64        | 9000   | 1.226               | 43.30 | 19.37                | 0.763               | 49.7  |
| QFR0612DH-B | -R00 / -F00 | 12            | 7.0 to 13.2             | 0.75          | 9.00        | 10600  | 1.449               | 51.17 | 25.80                | 1.016               | 54.5  |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.



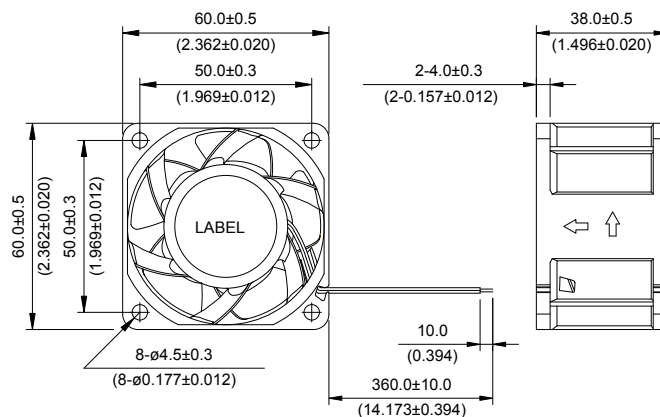
*New*



- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Frame : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1007 AWG #24 OR Equivalent  
Red Wire Positive (+)  
Black Wire Negative(-)
- \* Weight : 130g (4.59 oz)

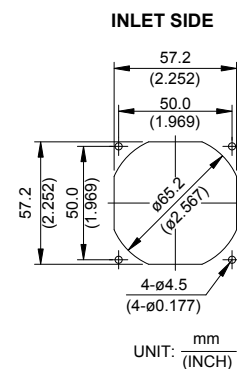
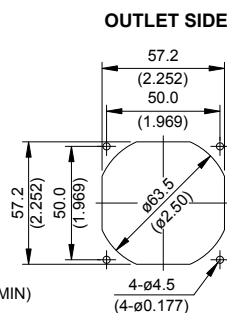
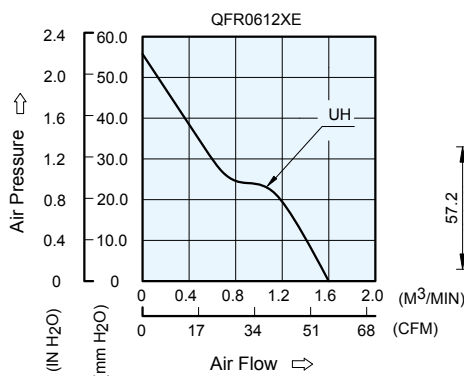
## QFR 60 x 60 x 38 MM SERIES

### ■ DIMENSIONS DRAWING



### ■ P & Q CURVE (AT RATED VOLTAGE)

### ■ MOUNTING PANEL CUTOUT



| MODEL      |             | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |       | Maximum Air Pressure |                     | Noise |
|------------|-------------|---------------|-------------------------|---------------|-------------|--------|---------------------|-------|----------------------|---------------------|-------|
| PART NO.   | FUNCTION    | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM   | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0612UHE | -R00 / -F00 | 12            | 7.0 to 13.2             | 1.10          | 13.20       | 13000  | 1.599               | 56.45 | 55.73                | 2.194               | 61.5  |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.



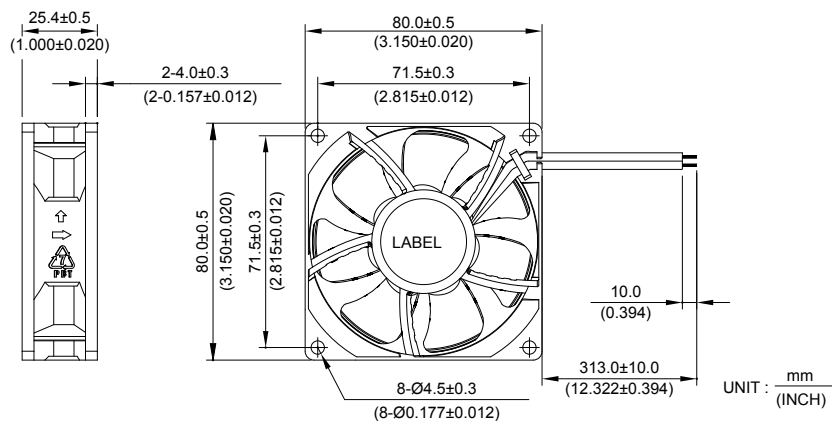
*New*



- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Frame : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1007 AWG #24 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 88 g (3.10 oz)

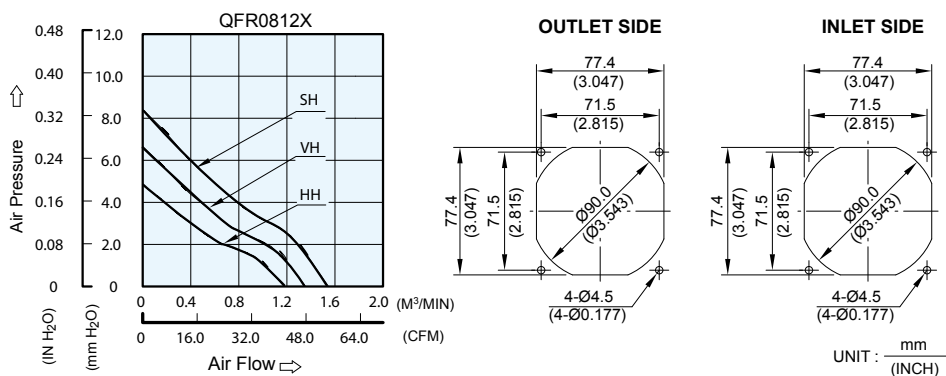
## QFR 80 x 80 x 25.4 MM SERIES

### ■ DIMENSIONS DRAWING



### ■ P & Q CURVE (AT RATED VOLTAGE)

### ■ MOUNTING PANEL CUTOUT



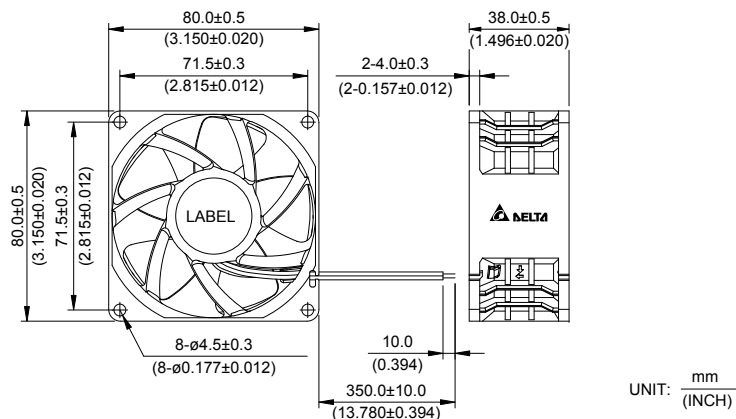
| MODEL     |             | Rated Voltage | Operating Voltage Range | Rated Current | Rated Input Power | Speed  | Maximum Air Flow    |       | Maximum Air Pressure |                     | Noise |
|-----------|-------------|---------------|-------------------------|---------------|-------------------|--------|---------------------|-------|----------------------|---------------------|-------|
| PART NO.  | FUNCTION    | VDC           | VDC                     | Amp           | Watt              | R.P.M. | m <sup>3</sup> /min | CFM   | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0812HH | -R00 / -F00 | 12            | 5.0 to 13.2             | 0.16          | 1.92              | 3300   | 1.175               | 41.50 | 4.81                 | 0.189               | 36.4  |
| QFR0812VH | -R00 / -F00 | 12            | 5.0 to 13.2             | 0.21          | 2.52              | 3800   | 1.354               | 47.80 | 6.40                 | 0.251               | 39.5  |
| QFR0812SH | -R00 / -F00 | 12            | 5.0 to 13.2             | 0.33          | 3.96              | 4300   | 1.545               | 54.57 | 8.40                 | 0.331               | 41.2  |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.



## QFR 80 x 80 x 38 MM SERIES

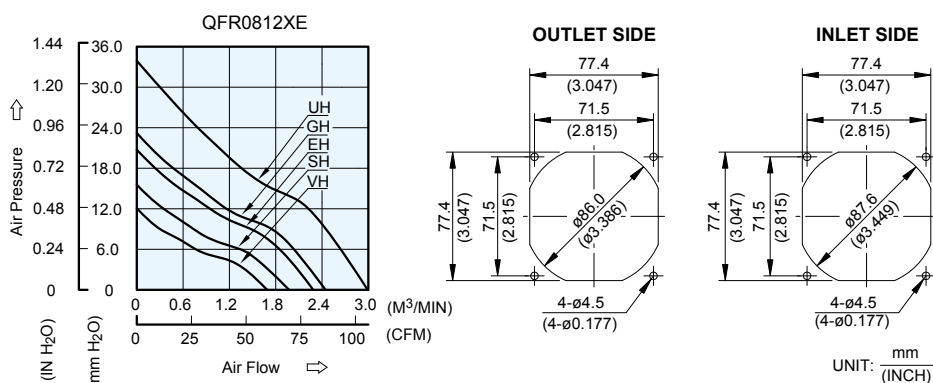
### ■ DIMENSIONS DRAWING



- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Pillow : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1007 AWG #24 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 160g (5.64 oz)

### ■ P & Q CURVE (AT RATED VOLTAGE)

### ■ MOUNTING PANEL CUTOUT



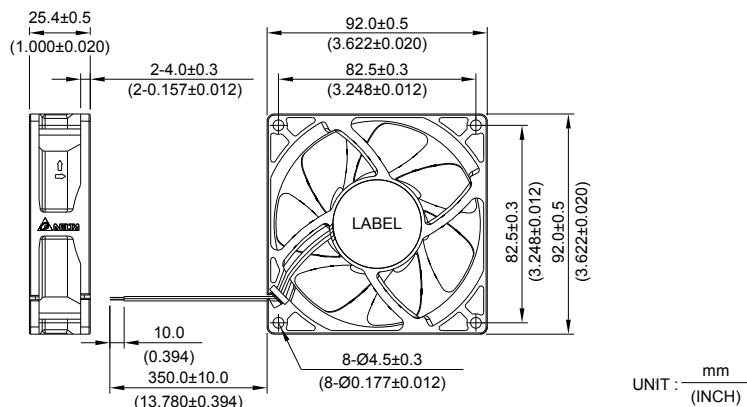
| MODEL      |           | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |        | Maximum Air Pressure |                     | Noise |
|------------|-----------|---------------|-------------------------|---------------|-------------|--------|---------------------|--------|----------------------|---------------------|-------|
| PART NO.   | FUNCTION  | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM    | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0812VHE | -R00/-F00 | 12            | 7.0 to 13.2             | 0.29          | 3.48        | 5200   | 1.688               | 59.62  | 12.08                | 0.476               | 44.4  |
| QFR0812SHE | -R00/-F00 | 12            | 7.0 to 13.2             | 0.40          | 4.80        | 5900   | 1.907               | 67.35  | 15.04                | 0.592               | 48.4  |
| QFR0812EHE | -R00/-F00 | 12            | 7.0 to 13.2             | 0.47          | 5.64        | 6800   | 2.214               | 78.17  | 19.80                | 0.780               | 52.8  |
| QFR0812GHE | -R00/-F00 | 12            | 7.0 to 13.2             | 0.72          | 8.64        | 7500   | 2.445               | 86.36  | 23.76                | 0.935               | 55.4  |
| QFR0812UHE | -R00/-F00 | 12            | 7.0 to 13.2             | 1.15          | 13.80       | 9000   | 2.979               | 105.21 | 33.91                | 1.335               | 60.0  |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.



## QFR 92 x 92 x 25.4 MM SERIES

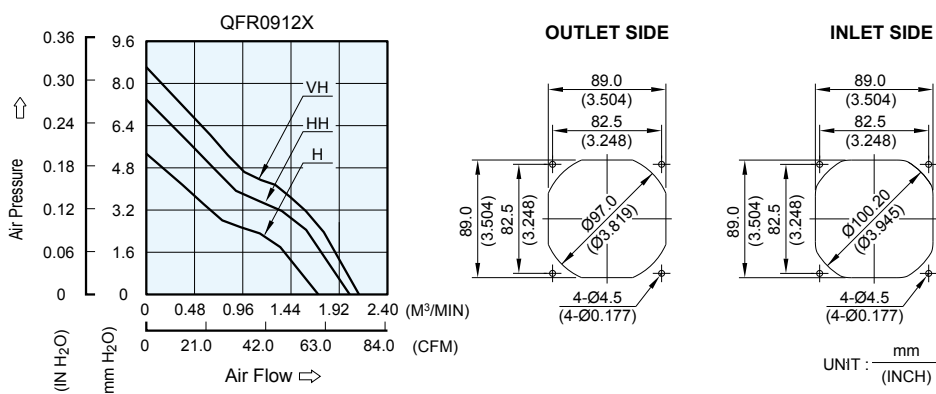
### ■ DIMENSIONS DRAWING



- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Frame : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1061 AWG #24 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 110g (3.880 oz)

### ■ P & Q CURVE (AT RATED VOLTAGE)

### ■ MOUNTING PANEL CUTOUT



| MODEL     |             | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |       | Maximum Air Pressure |                     | Noise |
|-----------|-------------|---------------|-------------------------|---------------|-------------|--------|---------------------|-------|----------------------|---------------------|-------|
| PART NO.  | FUNCTION    | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM   | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0912H  | -R00 / -F00 | 12            | 5.0 to 13.2             | 0.22          | 2.64        | 3200   | 1.712               | 60.47 | 5.34                 | 0.210               | 37.0  |
| QFR0912HH | -R00 / -F00 | 12            | 5.0 to 13.2             | 0.31          | 3.72        | 3800   | 2.024               | 71.49 | 7.39                 | 0.291               | 42.2  |
| QFR0912VH | -R00 / -F00 | 12            | 10.8 to 13.2            | 0.40          | 4.80        | 4200   | 2.117               | 74.78 | 8.62                 | 0.339               | 45.0  |

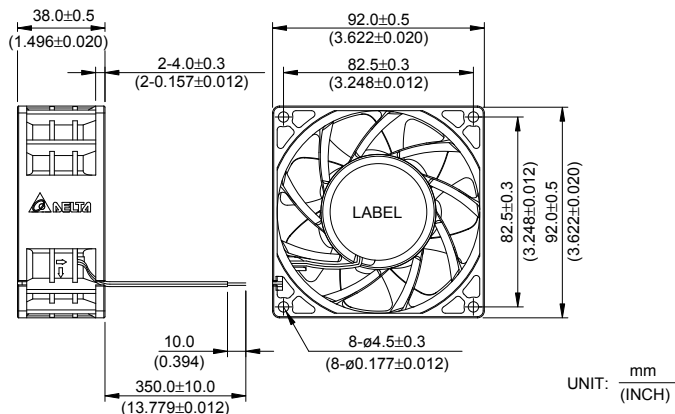
- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.



New

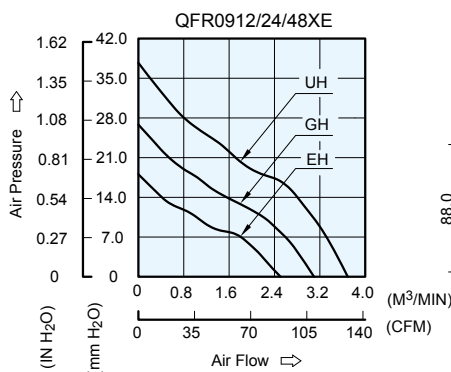
## QFR 92 x 92 x 38 MM SERIES

### ■ DIMENSIONS DRAWING

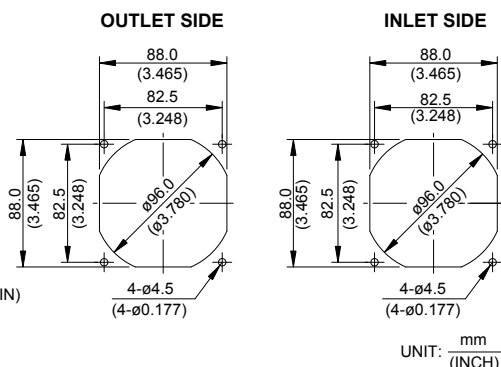


- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Pillow : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1007 AWG #24 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 195g (6.88 oz)

### ■ P & Q CURVE (AT RATED VOLTAGE)



### ■ MOUNTING PANEL CUTOUT



| MODEL      |           | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |        | Maximum Air Pressure |                     | Noise |
|------------|-----------|---------------|-------------------------|---------------|-------------|--------|---------------------|--------|----------------------|---------------------|-------|
| PART NO.   | FUNCTION  | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM    | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR0912EHE | -R00/-F00 | 12            | 8.0 to 13.2             | 0.60          | 7.20        | 5700   | 2.507               | 88.53  | 18.06                | 0.711               | 51.7  |
| QFR0924EHE | -R00/-F00 | 24            | 16.0 to 26.4            | 0.30          | 7.20        |        |                     |        |                      |                     |       |
| QFR0948EHE | -R00/-F00 | 48            | 33.0 to 52.8            | 0.15          | 7.20        |        |                     |        |                      |                     |       |
| QFR0912GHE | -R00/-F00 | 12            | 8.0 to 13.2             | 0.95          | 11.40       | 7000   | 3.097               | 109.38 | 26.82                | 1.056               | 57.0  |
| QFR0924GHE | -R00/-F00 | 24            | 16.0 to 26.4            | 0.50          | 12.00       |        |                     |        |                      |                     |       |
| QFR0948GHE | -R00/-F00 | 48            | 33.0 to 52.8            | 0.25          | 12.00       |        |                     |        |                      |                     |       |
| QFR0912UHE | -R00/-F00 | 12            | 8.0 to 13.2             | 1.60          | 19.20       | 8300   | 3.731               | 131.76 | 37.35                | 1.466               | 62.0  |
| QFR0924UHE | -R00/-F00 | 24            | 16.0 to 26.4            | 0.80          | 19.20       |        |                     |        |                      |                     |       |
| QFR0948UHE | -R00/-F00 | 48            | 33.0 to 52.8            | 0.40          | 19.20       |        |                     |        |                      |                     |       |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.

Company: Diamond Electronics(Kunshan) CO.,Ltd  
Mobile: 18020207746  
Email: danny@diamondelectronics.cn  
URL: www.diamondelectronics.cn

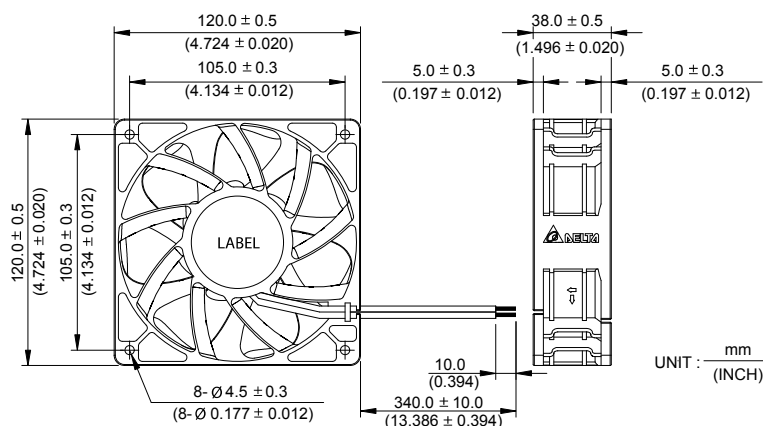


## QFR 120 x 120 x 38 MM SERIES

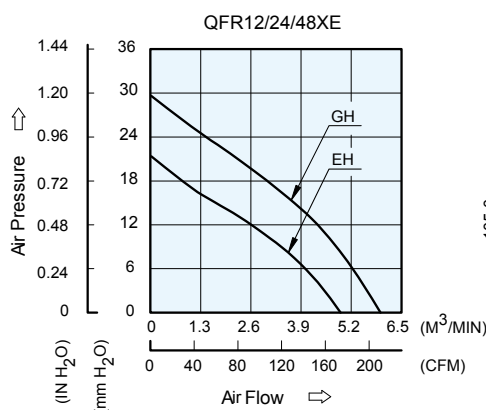
### ■ DIMENSIONS DRAWING



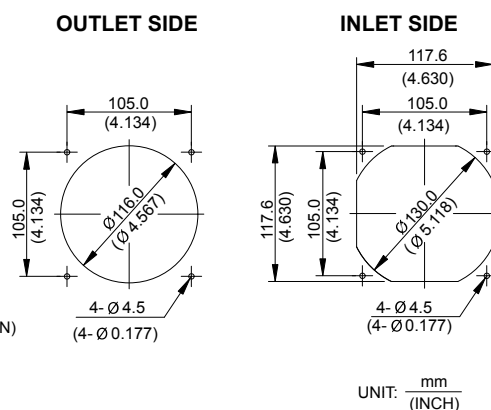
- \* Bearing Type  
Ball Bearings
- \* Material  
Impeller & Pillow : Plastic (UL 94V-0)
- \* Lead Wires :  
UL 1430 AWG #22 OR Equivalent  
Red Wire Positive(+)  
Black Wire Negative(-)
- \* Weight : 330g (11.64 oz)



### ■ P & Q CURVE (AT RATED VOLTAGE)



### ■ MOUNTING PANEL CUTOUT



| MODEL      |           | Rated Voltage | Operating Voltage Range | Input Current | Input Power | Speed  | Maximum Air Flow    |        | Maximum Air Pressure |                     | Noise |
|------------|-----------|---------------|-------------------------|---------------|-------------|--------|---------------------|--------|----------------------|---------------------|-------|
| PART NO.   | FUNCTION  | VDC           | VDC                     | Amp           | Watt        | R.P.M. | m <sup>3</sup> /min | CFM    | mmH <sub>2</sub> O   | IN H <sub>2</sub> O | dB-A  |
| QFR1212EHE | -R00/-F00 | 12            | 8.0 to 13.2             | 1.00          | 12.00       | 5000   | 4.922               | 173.83 | 21.43                | 0.844               | 59.0  |
| QFR1224EHE | -R00/-F00 | 24            | 16.0 to 26.4            | 0.50          | 12.00       |        |                     |        |                      |                     |       |
| QFR1248EHE | -R00/-F00 | 48            | 33.0 to 52.8            | 0.26          | 12.48       |        |                     |        |                      |                     |       |
| QFR1212GHE | -R00/-F00 | 12            | 8.0 to 13.2             | 1.80          | 21.60       | 6000   | 5.957               | 210.38 | 29.18                | 1.170               | 64.0  |
| QFR1224GHE | -R00/-F00 | 24            | 16.0 to 26.4            | 0.94          | 22.56       |        |                     |        |                      |                     |       |
| QFR1248GHE | -R00/-F00 | 48            | 33.0 to 52.8            | 0.50          | 24.00       |        |                     |        |                      |                     |       |

- \* Function type is optional.
- \* The max. air flow and the speed are measured in free air ; max. air pressure is measured at zero air flow.
- \* Noise is measured in anechoic chamber in free air, one meter from intake side.
- \* All readings are typical values at rated voltage.
- \* Specifications are subject to change without notice.

Company:Diamond Electronics(Kunshan) CO.,Ltd  
Mobile:18020207746  
Email:danny@diamondelectronics.cn  
URL:www.diamondelectronics.cn