



FBA12G (120[□] x 38^L)



NMB-MAT

EMINEBEA.COM

General Specifications

Allowable Ambient Temperature Range:

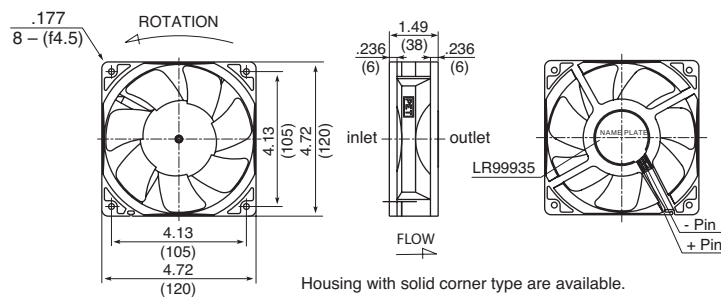
- 10°C ~ +70°C (65%RH) (Operating)
- 40°C ~ +75°C (65%RH) (Storage)
- (non-condensing environment)

Expected Life

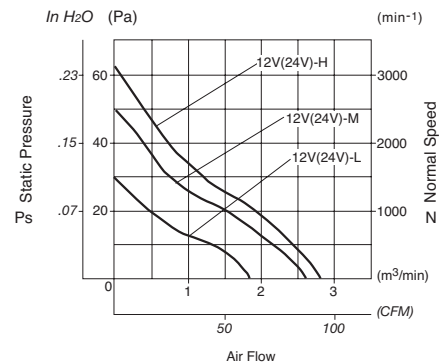
Failure Rate: 10%
30,000 Hours (25°C, 65%RH)

Outline

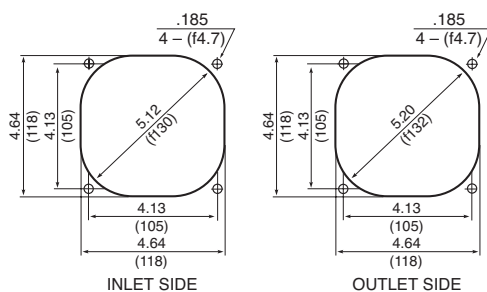
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Panel Cut-outs



Material

Bearing: Hydro Wave Bearing

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Rated Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
FBA12G 12L	12	7.0 ~ 13.8	170	2.04	1700	68.9	1.94	.13	32.4	30.0	270
FBA12G 12M	12	7.0 ~ 13.8	280	3.36	2100	86.5	2.45	.18	47.1	35.5	270
FBA12G 12H	12	7.0 ~ 13.8	370	4.44	2500	103.8	2.94	.26	66.7	41.5	270
FBA12G 24L	24	14.0 ~ 27.6	96	2.30	1700	68.9	1.95	.13	32.4	30.0	270
FBA12G 24M	24	14.0 ~ 27.6	124	2.98	2100	86.5	2.45	.18	47.1	35.5	270
FBA12G 24H	24	14.0 ~ 27.6	200	4.80	2500	103.8	2.94	.26	66.7	41.5	270

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Fan Motors Engineering Information



DC Fans

- 1.Common Spec.
- 2.Numbering (Axial Fans)
-  3.Numbering (FB)
- 4.Numbering (Blowers BM)
- 5.Numbering (Blowers BG)
- 6.Numbering (FAL)
- 7.Sensors
- 8.Speed Control

AC Fans

Technical Information

Handling Precautions

Quality & Environment

DC Axial Fans FB Series Part Numbering System

To show details, place the mouse cursor on each item of the part number. Click "Display All" button to show all details.

FB **A** **08** **A** **12** **H** **1** **A** **S**
(1) **(2)** **(3)** **(4)** **(5)** **(6)** **(7)** **(8)** **(9)**

[Display All](#)

1. Motor type

FB DC Axial fans

2. Bearing type or Motor Type

A HWB
 K Ball bearing
 L ES Series

3. Housing Size

04 40 X 40mm 09 92 X 92mm
 06 60 X 60mm 12 120 X 120mm
 08 80 X 80mm

4. Housing thickness

A 25.5mm F 20mm
 T 15mm H 42mm
 G 38mm

5. Rated voltage

12 12V
 24 24V

6. Speed

L Low
 M Middle
 H High
 V Variable (Option)

7. Terminal

1 With leads
☐ No leads

8. Lead wire

A Standard 2 leads
 B Standard 3 leads
 C Optional leads

9. Option

S Locked sensor
 X Tacho sensor
 Z Solid corner housing
 O S + Z

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