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Fan Motors Engineering

DC Axial Fans Part Numbering System

Information

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

DC Fans

24 10 M L - 04 W - B 1 0 - X 00
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)

Display All

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

1. Size

10	25mm	28	70mm	04	10mm
12	30mm	31	80mm	06	15mm
14	35mm	36	92mm	08	20mm
16	40mm	47	119mm	10	25mm
20	50mm	50	127mm	12	32mm
21	52mm	59	150mm	15	38mm
24	60mm	68	172mm	20	50mm

2. Thickness

3. Series

P Series S Series
 M Series F Series
 N Series
 K Series
 H Series

5. Input Voltage

01 5V 06 36V
 02 6V 07 48V
 03 9V 09 Custom
 04 12V voltage
 05 24V

4. Function

Brushless Type B Ball Bearing
 DCM S Sleeve Bearing

7. Bearing

6. Termination 8. Speed

w Lead Wires 1<2<3<4<5<6<7<8
 T Terminal Type low high

9. Special Control Function

0 Standard type
 9 Sensor type
 8 2-speed type
 7 Temperature detecting variable speed type/PWM control type
 6 Temperature detecting variable speed type/Sensor type
 5 2-speed type / Sensor type

11. Individual Specifications

Standard Type		Sensor Type	
00	Standard	00	Locked Rotor Alarm Signal(Standard)
01-99	Custom	01-49	Locked Rotor Alarm Signal(Custom)
		50	Tachometer Signal (Standard)
		51-99	Tachometer Signal (Custom)

10. Product No.

Item	Classification	Mounting Style	Item	Classification	Mounting Style	Item	Classification	Mounting Style
L	Standard Model	Rib Type	D	Standard Model	Flange Type	J	Value Model	One Side Rib Type
P	Standard Model	Flange Type	T	Value Model	Rib Type	H	Value Model	One Side Flange Type
B	Standard Model	Rib Type	S	Value Model	Flange Type	M	Value Model	Rib Type
E	Standard Model	Flange Type	C	Value Model	Rib Type	V	Value Model	Flange Type
G	Standard Model	Rib Type	F	Value Model	Flange Type	X	Vented casing	Flange Type

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General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance: 10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +60°C (Operating)

-40°C ~ +60°C (Storage)

(non-condensing environment)

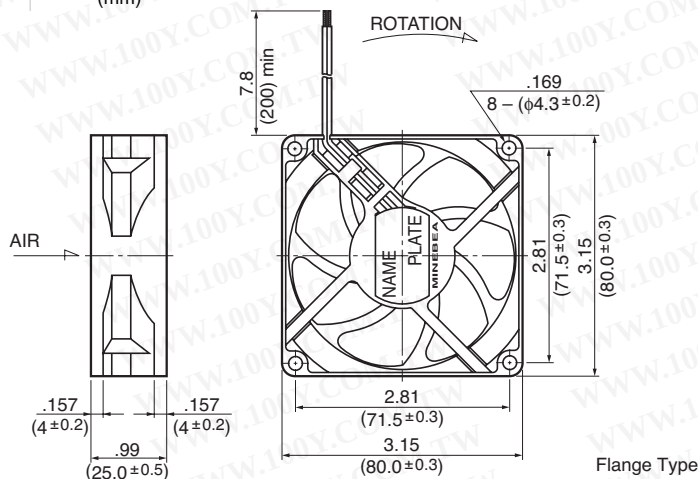
Expected Life

Failure Rate: 10%

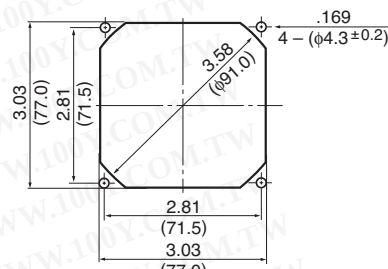
25°C 60,000 Hours (P00)

Outline

Units: inch
(mm)

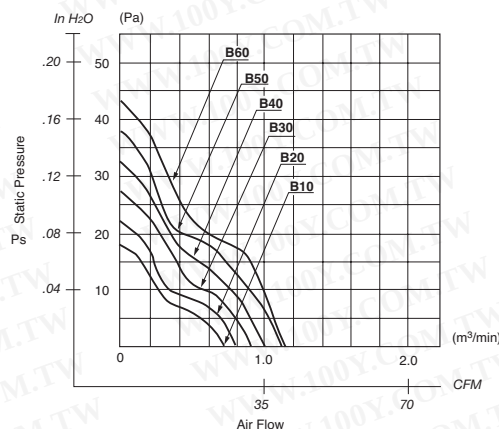


Panel Cut-outs



INLET SIDE / OUTLET SIDE

Characteristic Curves



Material

Casing : Plastic (Black) 94V-0

Impeller : Plastic (Black) 94V-0

Bearing : Ball Bearing

Lead Wire : UL1007, AWG26, +Red, -Black

Specifications

MODEL	Product No.	Rated Voltage	Operating Voltage	Current	Input Power	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)
3110GL-B4W-B10-	P00	12	6.0 ~ 13.8	0.10	1.20	2150	24.7	0.70	.067	16.7	22	95
3110GL-B4W-B20-	P00	12	6.0 ~ 13.8	0.11	1.32	2400	28.2	0.80	.086	21.6	25	95
3110GL-B4W-B30-	P00	12	6.0 ~ 13.8	0.17	2.04	2700	31.8	0.90	.110	26.5	28	95
3110GL-B4W-B40-	P00	12	6.0 ~ 13.8	0.20	2.40	3000	35.3	1.00	.130	32.3	31	95
3110GL-B4W-B50-	P00	12	6.0 ~ 13.8	0.23	2.76	3250	38.8	1.10	.150	37.2	34	95
3110GL-B4W-B60-	P00	12	6.0 ~ 13.0	0.26	3.12	3400	40.2	1.14	.160	40.2	35	95
3110GL-B5W-B10-	P00	24	10.0 ~ 27.6	0.06	1.44	2150	24.7	0.70	.067	16.7	22	95
3110GL-B5W-B20-	P00	24	10.0 ~ 27.6	0.07	1.68	2400	28.2	0.80	.086	21.6	25	95
3110GL-B5W-B30-	P00	24	10.0 ~ 27.6	0.08	1.92	2700	31.8	0.90	.110	26.5	28	95
3110GL-B5W-B40-	P00	24	10.0 ~ 27.6	0.10	2.40	3000	35.3	1.00	.130	32.3	31	95
3110GL-B5W-B50-	P00	24	10.0 ~ 27.6	0.12	2.88	3250	38.8	1.10	.150	37.2	34	95
3110GL-B5W-B60-	P00	24	10.0 ~ 26.4	0.14	3.36	3400	40.2	1.14	.160	40.2	35	95

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air