

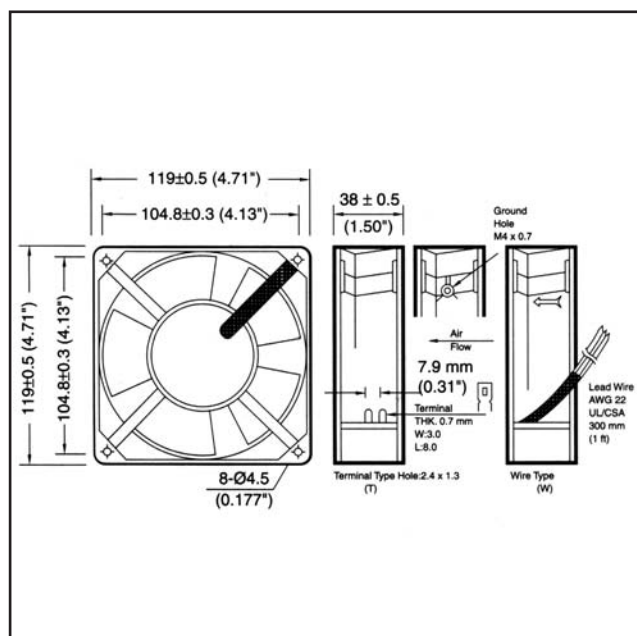
AC AXIAL FAN FP-108-1

M3

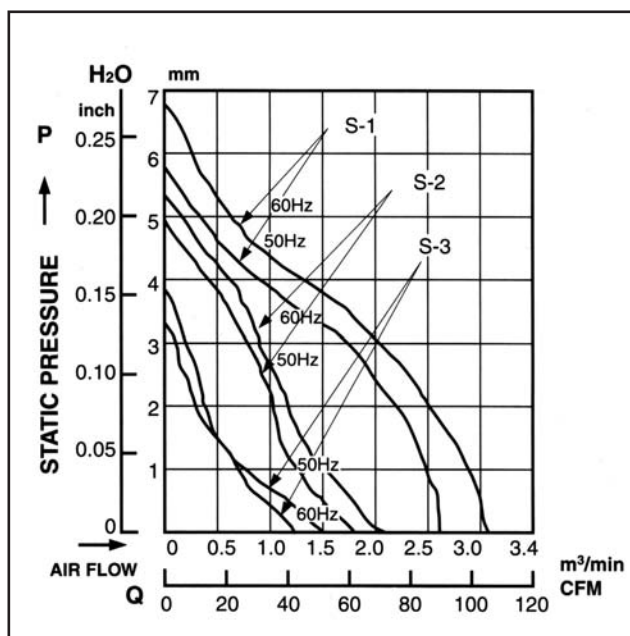
FP-108-1	Size: 119 x 119 x 38 mm / 4.71"W x 4.71"H x 1.5"T
Weight:	550 g
Bearing System:	Sleeve Bearing and Ball Bearing
Impeller:	Plastic with fiber glass fill, UL 94V-0
Housing:	Die-cast aluminum, painted Black or Natural Colour; PBT Plastic, UL-94V-0
Motor:	Shaded pole, impedance protected
Connection:	Terminal(T) and Wire leads(W)
Speed:	S-1: High Speed Type S-2: Medium Speed Type S-3: Low Speed Type
Other Voltages:	24V, 48V, 100V, 380VAC (50/60Hz) are available



DIMENSIONS



PERFORMANCE



SPECIFICATIONS

SERIES NUMBER	VOLTAGE (VAC)	FREQUENCY (HZ)	AIR (CFM)	VOLUME (M ³ /MIN)	CURRENT (A)	POWER (W)	SPEED (RPM)	STATIC PRESSURE (INCH-H ₂ O)	NOISE (DBA)
**NEW FP-108-1 (S-ULTRA)	110/120	50/60	112/120	3.18/3.40	0.25/0.19	18/19	2,700/3,000	0.27/0.30	40/45
	220/240	50/60	112/120	3.18/3.40	0.14/0.12	18/19	2,700/3,000	0.27/0.30	40/45
FP-108-1 (S-1)	110/120	50/60	80/105	2.3/3.0	0.24/0.18	18/17	2,700/3,000	0.23/0.28	42/47
FP-108-1 (S-1)	220/240	50/60	80/105	2.3/3.0	0.13/0.11	18/17	2,700/3,000	0.23/0.28	42/47
FP-108-1 (S-2)	110/120	50/60	63/71	1.65/1.85	0.13/0.12	11/10	2,200/2,500	0.19/0.21	37/39
FP-108-1 (S-2)	220/240	50/60	63/71	1.65/1.85	0.11/0.09	11/10	2,200/2,500	0.19/0.21	37/39
FP-108-1 (S-3)	110/120	50/60	54/52	1.5/1.4	0.11/0.10	9/8	1,800/2,000	0.16/0.15	30/34
FP-108-1 (S-3)	220/240	50/60	54/52	1.5/1.4	0.08/0.06	9/8	1,800/2,000	0.16/0.15	30/34

To order please see bottom of page M2.

AC Axial & DC Brushless Fans

AC AXIAL FANS & DC BRUSHLESS FANS

GENERAL DATA

M2

AC AXIAL FANS

Frame: Die-cast Aluminum, painted Black or with Natural finish Die-cast Zinc, painted Black or with Natural finish Plastic PBT(Polybutylene Terephthalate) for high strength, high impact & thermal characteristics (UL 94V-0)

Motor: Reliable shaded pole construction

Impeller: Injection molded, non-flammable thermoplastic, UL 94V-0 rating

Operating Voltage:

110/120V Ranged Voltage from 85V to 125V

220/230V Ranged Voltage from 190V to 245V

Dielectric Strength: 1 Minute Minimum at 1,500 VAC/50-60Hz, one minute (between frame and terminal)

DC BRUSHLESS FANS

Frame: Injection molded non-flammable black thermoplastic, UL 94V-0 rating

Motor: Brushless DC

Impeller: Injection molded, non-flammable thermoplastic, UL 94V-0 rating

Operating Voltage: Rated voltage +15%

Dielectric Strength: 1 Minute Minimum at 500 VAC/50-60Hz, one minute (between frame and terminal)

GENERAL DATA - AC AXIAL FANS & DC BRUSHLESS FANS

Bearings: Precision, life lubricated dual ball bearing system
Precision, oil impregnated sintered sleeve bearing system

Insulation Resistance: 10 Megohms Minimum at 500VDC

Impedance Protection: The fans are designed in such a way that the wiring will not burn out, even if the rotating parts are restricted. The use of incombustible insulating materials assures increased safety.

Operating Temperature:

Sleeve Bearing: -10°C to +70°C

Ball Bearing: -20°C to +80°C

Ambient Humidity:

Ball Bearing: 20% - 85% RH(Relative Humidity)

Sleeve Bearing: 20% - 80% RH(Relative Humidity)

Life Expectancy:

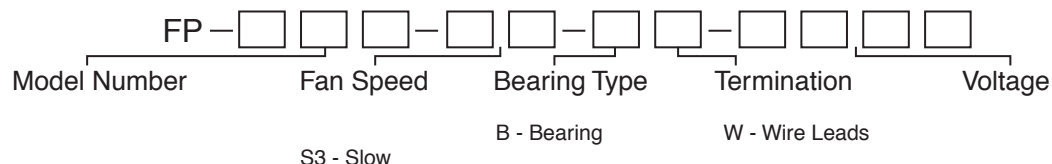
Ball Bearing	Sleeve Bearing	Temperature
100,000 hrs	60,000 hrs	at 25°C
50,000 hrs	30,000 hrs	at 40°C
30,000 hrs	20,000 hrs	at 55°C
15,000 hrs	10,000 hrs	at 70°C

Noise Level: Range is from 24 to 54 dba, depending on the speed and model selected

Warranty: Fans are warranted free of charge on defective materials and workmanship for ONE (1) YEAR from the date of delivery.

How To Order: Determine the following:

- 1.The appropriate fan model number
- 2.The fan speed / CFM air movement e.g. S1 / S2 / S3
- 3.The type of bearing required
- 4.Wire or male tab terminals
- 5.The voltage required



380V - 380VAC