

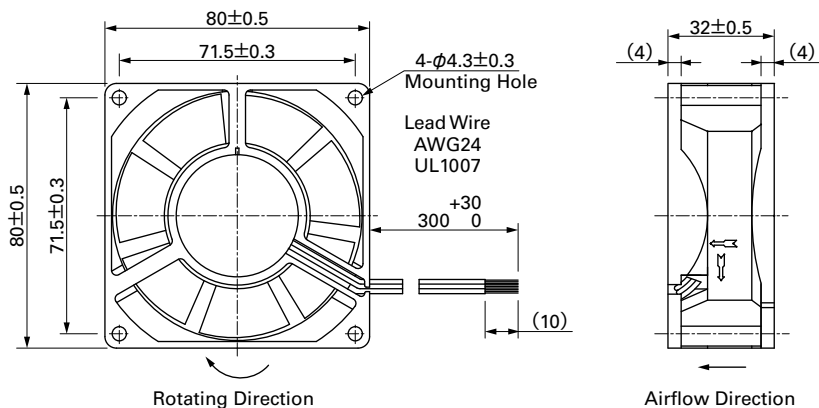
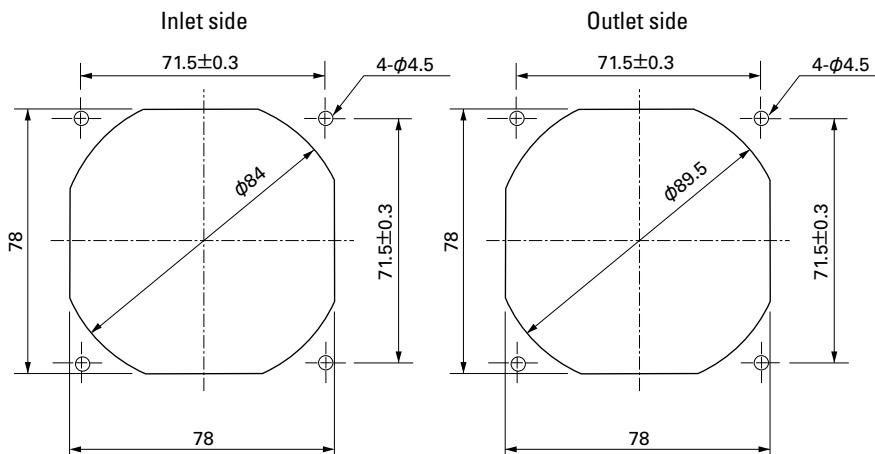
80mm sq.**San Ace 80****General Specifications**

- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-1)
- Expected Life Refer to specifications (L10:Survival rate:90% at 60°C ,
rated voltage, and continuously run in a free air state)
- Lead Wire ⊕red ⊖black or blue (Sensor) yellow
- Storage Temperature -30°C to +70°C (Non-condensing)

80×80×32mm [Mass : 150g] **9P type****Specifications** The following nos. **have pulse sensors and ribs**. For ribless, append "1" to the model no.

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]
109P0812A201	12	6 to 13.2	0.56	6.72	4,600	1.52 53.7	91.1 0.366	45	-20 to +55	40,000(+55°C)
109P0812H201		10.2 to 13.8	0.16	1.92	3,150	1.05 37.1	43.1 0.173	33	-20 to +70	40,000/60°C
109P0812M201			0.07	0.84	2,000	0.65 23.0	18.6 0.075	21	-20 to +70	60,000/60°C
109P0824A201	24	12 to 26.4	0.29	6.96	4,600	1.52 53.7	91.1 0.366	45	-20 to +60	40,000/60°C
109P0824H201		20.4 to 27.6	0.09	2.16	3,150	1.05 37.1	43.1 0.173	33	-20 to +70	40,000/60°C
109P0824M201			0.04	0.96	2,000	0.65 23.0	18.6 0.075	21	-20 to +70	60,000/60°C
109P0848H201	48	43 to 53	0.06	2.88	3,350	1.10 38.9	50.9 0.204	35	-20 to +70	40,000/60°C

Other sensor specifications are available as options. Please refer to the index (pp. 497 to 498).

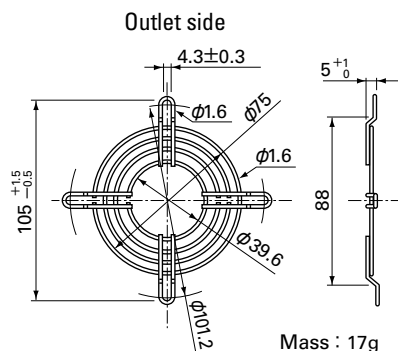
Dimensions (unit: mm) (With ribs)**Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)**

Options (unit: mm)

Finger Guards

Model : 109-049C Surface treatment : Nickel-chrome plating (silver)

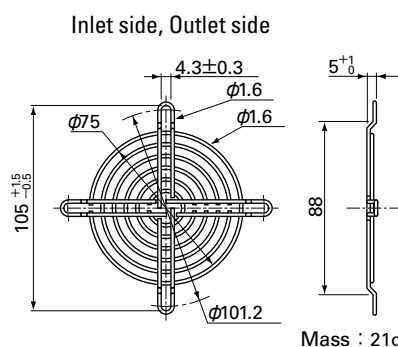
Color



Mass : 17g

Model : 109-049E Surface treatment : Nickel-chrome plating (silver)
: 109-049H : Cation electropainting (black)

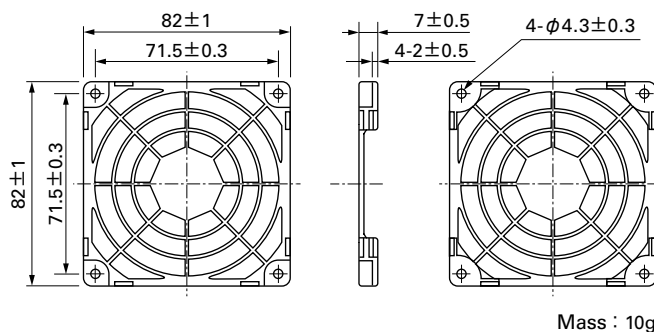
Color



Mass : 21g

Resin Finger Guards

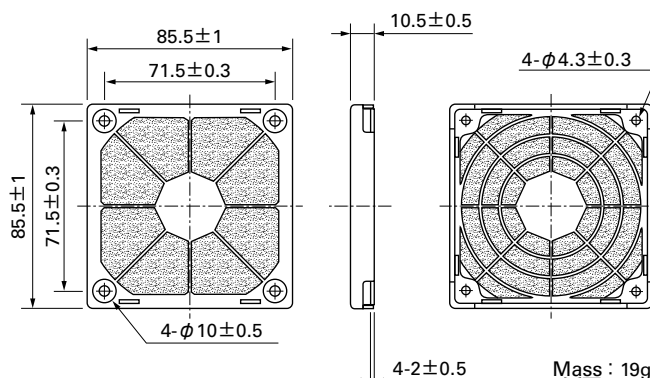
Model : 109-1002G



Mass : 10g

Resin Filter Kits

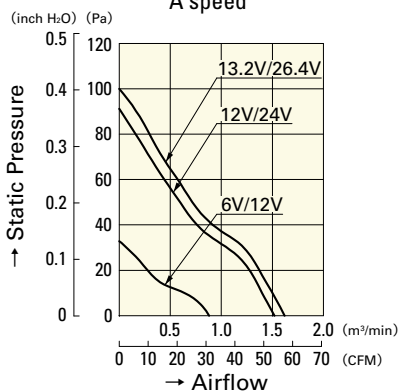
Model : 109-1002F13 (13PPI), 109-1002F20 (20PPI)
: 109-1002F30 (30PPI), 109-1002F40 (40PPI)



Mass : 19g

Airflow - Static Pressure Characteristics

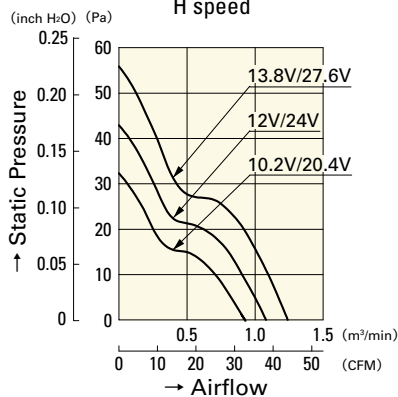
A speed



109P0812A201

109P0824A201

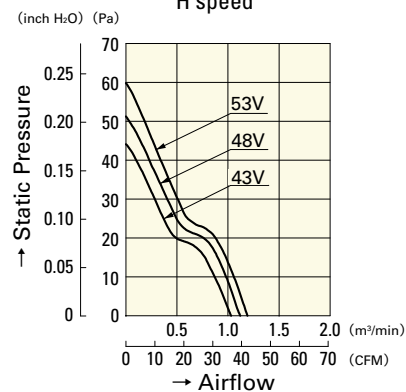
H speed



109P0812H201

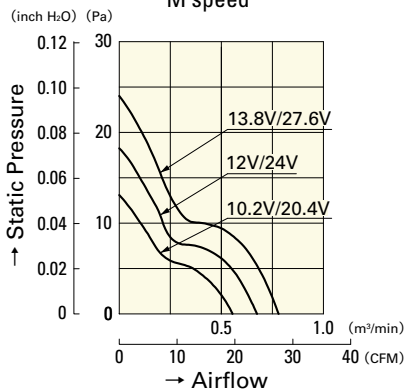
109P0824H201

H speed



109P0848H201

M speed



109P0812M201

109P0824M201