



.AC .S109AP



120x120x38.5mm/4.7x1.5inch

105 CFM

Sinwan Plastic Impeller Tubeaxial Fan

	Rated Volt	Voltage Range	Freq	Input Power	Ref. Speed	Max.Airflow		Max.Static Pressure		Noise Level	PQ	UL
Model No	VAC	VAC	Hz	Watt	RPM	CFM	m3/min	Inch/H2O	mm	db(A)		
S109AP-11-1**	115	100~120	50/60	17/15 (~21)	2650/3000	90/105	2.5/3	0.29/0.31	7.37/7.87	42	2/1	✓
S109AP-11-2**	115	100~120	50/60	13/11	2400/2350	77/71	2.2/2	0.21/0.18	5.33/4.57	35	4/3	✓
S109AP-11-3**	115	100~120	50/60	10/8	2100/1700	66/53	1.9/1.5	0.17/0.13	4.32/3.3	27	6/5	✓
S109AP-22-1**	230	200~240	50/60	17/15 (~21)	2650/3000	90/105	2.5/3	0.29/0.31	7.37/7.87	42	2/1	✓
S109AP-22-2**	230	200~240	50/60	13/11	2400/2350	77/71	2.2/2	0.21/0.18	5.33/4.57	35	4/3	✓
S109AP-22-3**	230	200~240	50/60	10/8	2000/1500	62/47	1.8/1.3	0.17/0.13	4.32/3.3	26	6/5	✓
S109AP-24-1**	240	240~260	50/60	17/15 (~21)	2650/3000	90/105	2.5/3	0.29/0.31	7.37/7.87	42	2/1	✓
S109AP-24-2**	240	240~260	50/60	13/11	2350/2200	75/71	2.1/2	0.21/0.18	5.33/4.57	35	4/3	✓
S109AP-24-3**	240	240~260	50/60	10/8	1900/1200	62/43	1.8/1.2	0.17/0.13	4.32/3.3	26	6/5	✓
S109AP-4-1**	24	24~28	50/60	17/15 (~21)	2600/2950	90/103	2.5/2.9	0.29/0.31	7.37/7.87	41	2/1	✓
S109AP-38-1**	380	380~420	50/60	17/15 (~21)	2600/2950	90/103	2.5/2.9	0.29/0.31	7.37/7.87	41	2/1	✓
S109AP-44-1**	440	440~480	50/60	17/15 (~21)	2600/2950	90/103	2.5/2.9	0.29/0.31	7.37/7.87	41	2/1	✓
S109AP-11/22-1**	115	100~120	50/60	17/15 (~21)	2600/3000	90/105	2.5/3	0.29/0.31	7.37/7.87	42	2/1	✓
dual voltage	230	200~240										
S109AP-11/22-3**	115	100~120	50/60	10/8	2000/1400	66/53	1.9/1.5	0.17/0.13	4.32/3.3	27	6/5	✓
daul voltage	230	200~240										

- ** = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing
- 100, 200, 240V or special voltages 12, 24, 28, 38, 42, 48, 380~440~480... 50/60Hz, & dual voltage version available on request.
- Dual speed High/Medium 1/2, High/Low 1/3, Medium/Low 2/3, Low/extra Low 3/4 or triple speed 1/2/3 available on request.
- Sinwan reserves the right to change data and improve electrical or mechanical design without notice, data tolerance +-10%

Motor

Motor Type:	Shaded pole induction, inner rotor
Burnout Protection:	Impedance protected
IP Protection:	-

Mechanical

Frame:	Die Cast Aluminum, AP(black)
Impeller:	Glass fiber reinforced plastic, rated UL94V-0
Bearing:	Two ball bearings or sleeve bearing
Rotation:	CCW seen on rotor
Connection:	Lead wires or Terminals
Weight:	550g (1.2Lbs)

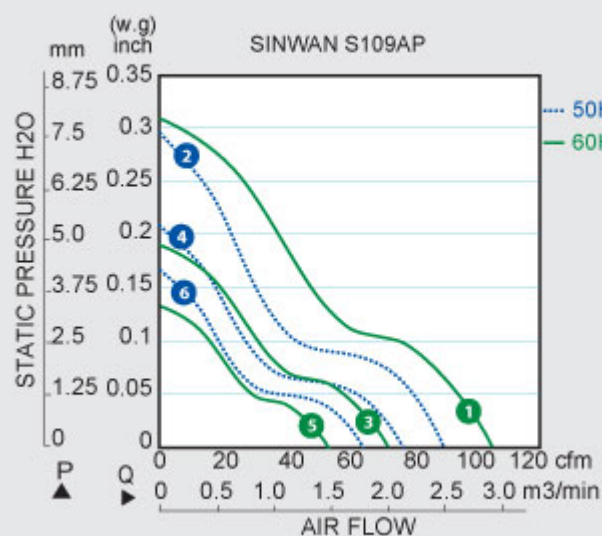
Electronical

Dielectric Strength:	1,500VAC/min, 0.5mA, 50/60 Hz
Insulation Resistance:	Over 100MΩ at DC 500V
Signal Output:	Option : FG, RD...

Environment

Operating Temp:	ball bearing (-20C~+70C), sleeve (-10~+40C)
Storage Temp:	-40C~+100C (at 65%RH)
Life Expectancy:	Ball bearing 80K hours at 45C, 50K hours at 60C

► Performance P-Q Curves



Nomenclature



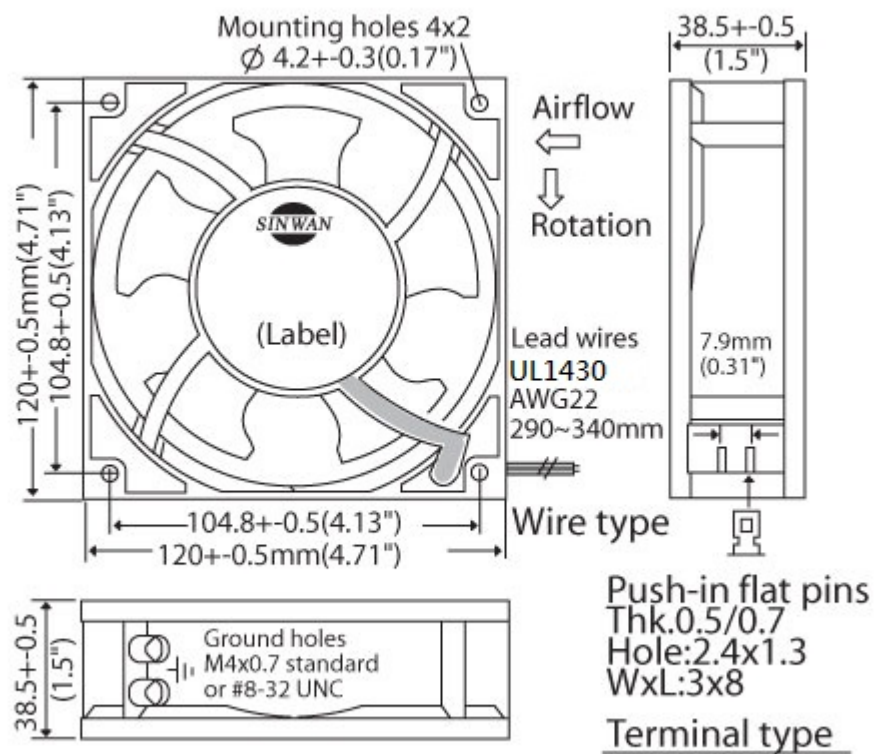
F/G
Tach



Dual
Voltage



Multiple
Speed



Metal Fan Guard

G109-17

G109-15B

G109-15A



Plastic Fan Guard

G120P4

G120P25F

G120P2

G120P

G119P4

G119P2



Plastic Filter

GRM120-45

GRM120-30



Metal Screen

MF120S-30N