

·AC· MK172E (68)



Dia.140x56mm / 6inch 220~100 CFM

Sinwan IP68/IP69K AC Metal Impeller

Model No	Rated Volt VAC	Voltage Range VAC	Freq Hz	Input Power Watt	Ref. Speed RPM	Max.Airflow CFM	m3/min	Max.Static Pressure Inch/H2O	mm	Noise Level db(A)	PQ
MK172EAN11-1** (100)(68)	100	100~120	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1
MK172EAN11-1** (68)	115	100~120	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1
MK172EAN11-2** (68)	115	100~120	50/60	35/32	2400/2500	160/165	4.5/4.7	0.42/0.35	10.67/8.89	48	4/3
MK172EAN11-3** (68)	115	100~120	50/60	23/20	1500/1650	100/110	2.8/3.1	0.28/0.22	7.11/5.59	36	6/5
MK172EAN22-1** (200)(68)	200	200~240	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN22-1** (68)	230	200~240	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1
MK172EAN22-2** (68)	230	200~240	50/60	35/32	2400/2500	160/165	4.5/4.7	0.42/0.35	10.67/8.89	48	4/3
MK172EAN22-3** (68)	230	200~240	50/60	23/20	1500/1600	100/110	2.8/3.1	0.28/0.22	7.11/5.59	36	6/5
MK172EAN22-1** (240)(68)	240	200~260	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1
MK172EAN11/22-1** (68) Dual voltage	115	100~120	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN2-1** (68)	12	12~14	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN4-1** (68)	24	24~28	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN6-1** (68)	28	28~34	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN8-1** (68)	48	48~58	50/60	47/42	2750/3200	183/215	5.2/6.1	0.49/0.42	12.45/10.67	60	2/1
MK172EAN38-1** (68)	380	380~420	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1
MK172EAN44-1** (68)	440	440~480	50/60	47/42	2750/3200	183/220	5.2/6.2	0.49/0.42	12.45/10.67	60	2/1

- The stated airflow, air pressure, noise levels are measured with housing orifice dia.: impeller Φ +1~1.5mm, at distance: approx. height of impeller + motor frame. The optimal operating data can only be depended on the installation conditions.
- ** = "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, 1-phase, 2 pole

Burnout Protection: Thermally protected, auto cutoff, auto reset

IP Protection: IP68 or IP69K optional on request

Mechanical

Frame: Aluminum die cast motor frame multi screw mounting type; or 6 screw mounting tube type

Impeller: Steel metal fan blades integrantly spot welded into rotor for high efficiency

Bearing: Two high precision permanently lubricated ball bearings

Rotation: CCW seen on rotor, air direction

Connection: Wire leads

Weight: 850g (1.87Lbs)

Electrical

Dielectric Strength: Over 1 minute at 1,500 VAC, 2mA, 50/60 Hz

Insulation Resistance: Over 100 M Ω at DC 500V

Signal Output: Optional: RD Rotation Detector, FG Frequency Generator

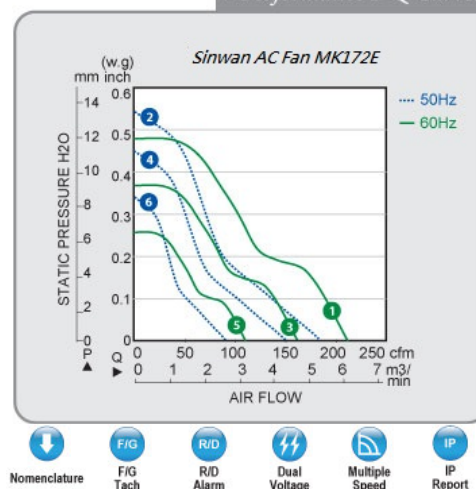
Environment

Operating Temp: Ambient non-condensing -30C~+80C

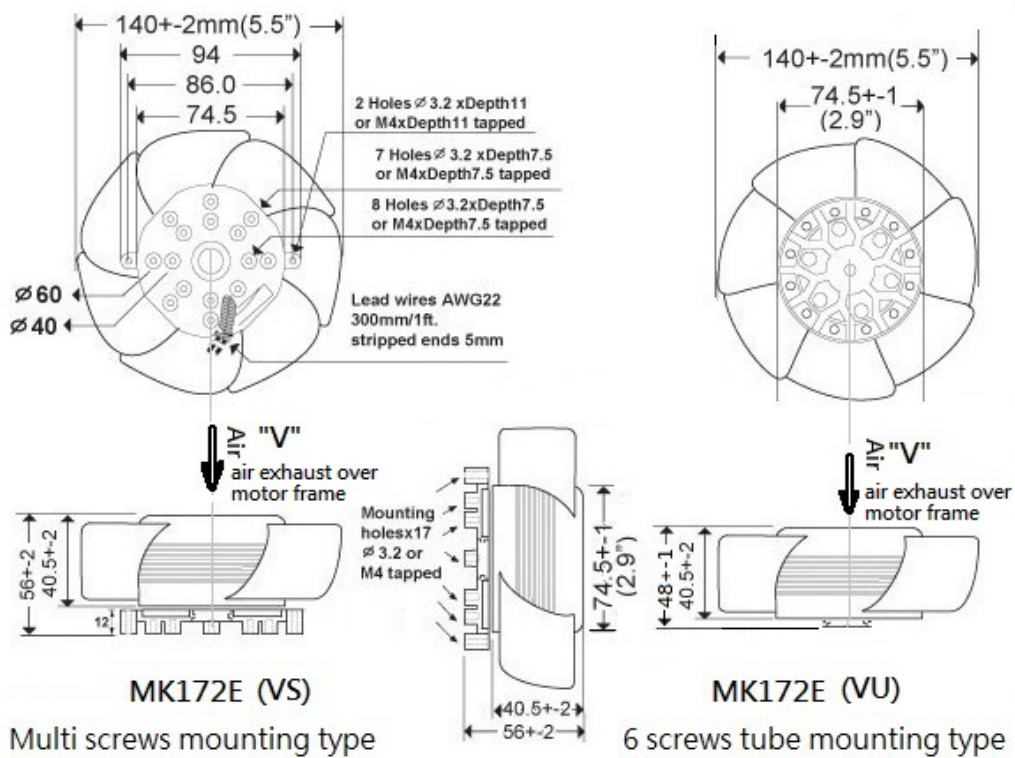
Storage Temp: -40C~+100C (at 65%RH)

Life Expectancy: 60K hours at 45°C, 35K hours at 65°C based on life MTBF Formula L10

Performance P-Q Curves



► Outline Dimensions



Relevant products

Metal Fan Guard
G172-3UT G172-7DU

Plastic Fan Guard
G172P

Plastic Fan Filter
GRM172-30

Metal Fan Screen
MF172S-30N

UL® CE RoHS