



·AC· MK180F (68)



Dia.160x80mm / 6.5inch 410~210 CFM

Sinwan IP68/IP69K AC Metal Impeller

Model No	Rated Volt	Voltage Range	Freq	Input Power	Ref. Speed	Max.Airflow	Max.Static Pressure	Noise Level	PQ
	VAC	VAC	Hz	Watt	RPM	CFM m3/min	Inch/H2O mm	db(A)	
MK180FAN11-1**(100)(68)	100	100~120	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN11-1** (68)	115	100~120	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN11-2** (68)	115	100~120	50/60	55/65	2350/2200	285/275 8.1/7.8	0.58/0.52 14.73/13.21	51	4/3
MK180FAN11-3** (68)	115	100~120	50/60	20/30	1400/1650	165/210 4.7/5.9	0.35/0.38 8.89/9.65	40	6/5
MK180FAN22-1**(200)(68)	200	200~240	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN22-1** (68)	230	200~240	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN22-2** (68)	230	200~240	50/60	55/65	2350/2200	285/275 8.1/7.8	0.58/0.52 14.73/13.21	51	4/3
MK180FAN22-3** (68)	230	200~240	50/60	20/30	1400/1650	165/210 4.7/5.9	0.35/0.38 8.89/9.65	40	6/5
MK180FAN22-1**(240)(68)	240	200~240	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN11/22-1** (68) Dual voltage	115	100~120	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN2-1** (68)	230	200~240							
MK180FAN2-1** (68)	12	12~14	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN4-1** (68)	24	24~28	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN6-1** (68)	28	28~34	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN8-1** (68)	48	48~58	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	2/1
MK180FAN44-1** (380)(68)	380	380~440	50/60	60/80	2700/3000	340/378 9.6/10.7	0.68/0.73 17.27/18.54	62	2/1
MK180FAN44-1** (68)	440	380~440(~480)	50/60	60/80	2800/3250	340/410 9.6/11.6	0.68/0.75 17.27/19.05	62	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:	Capacitor induction
Burnout Protection:	Thermally protected
IP Protection:	IP68 or IP69K optional on request

Mechanical

Frame:	Aluminum die cast, natural color treatment
Impeller:	Metal 7 blades
Bearing:	Two ball bearings
Rotation:	CCW seen on rotor, air direction
Connection:	Wire leads
Weight:	1,100g (2.4Lb)

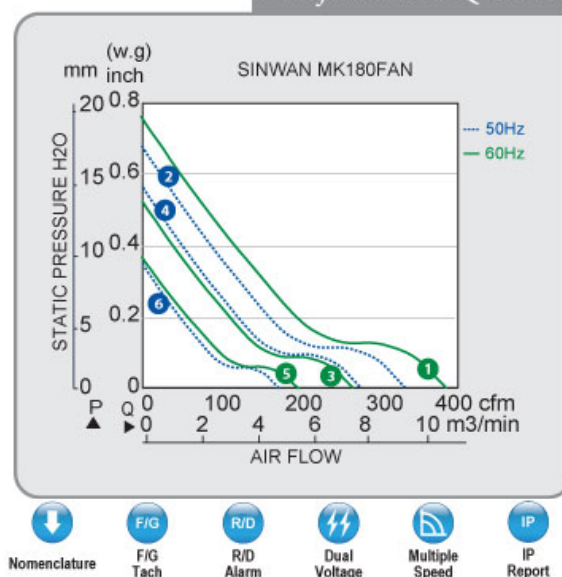
Electronical

Dielectric Strength:	Over 1 min. at 1,500 VAC, 2mA, 50/60 Hz
Insulation Resistance:	Over 100 M Ω at DC 500V
Signal Output:	Optional: RD Rotation Detactor, FG Frequency Generator

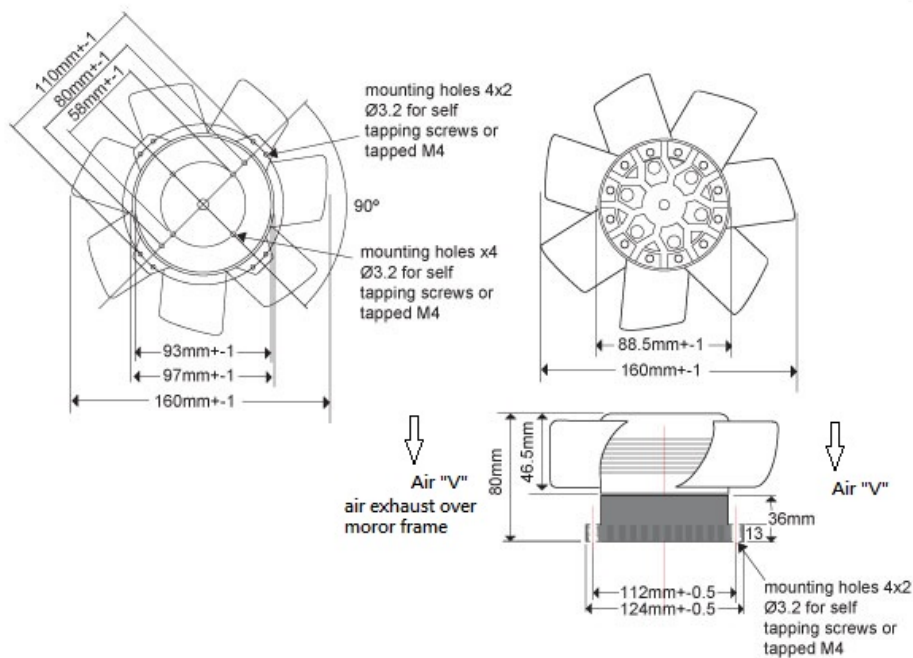
Environment

Operating Temp:	Ambient non-condensing -30C~+80C
Storage Temp:	-40C~+100C (at 65%RH)
Life Expectancy:	50K hours at 55C

► Performance P-Q Curves



► Outline Dimensions



Relevant products



Motor
Sinwan Motor MEA180GAN