



·AC· M180FAP (68)



180x180x65mm/7x2.5inch 400 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
M180FAP11-1** (100)(68)	100	100~120	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP11-1** (68)	115	100~120	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP11-2** (68)	115	100~120	50/60	55/65	2300/2200	275/265	7.8/7.5	0.58/0.52	14.73/13.21	53	4/3
M180FAP11-3** (68)	115	100~120	50/60	20/30	1500/1600	185/200	5.2/5.7	0.35/0.38	8.89/9.65	42	6/5
M180FAP11-4** (68)	115	100~120	50/60	18/25	1100/1000	130/125	3.7/3.5	0.25/0.23	6.35/5.84	35	8/7
M180FAP11-1/2** (68)	115	100~120	50/60	-1 60/80 -2 55/65	2750/3250 2300/2200	330/400 275/265	9.3/11.3 7.8/7.5	0.75/0.8 0.58/0.52	19.05/20.32 14.73/13.21	65 53	2/1 4/3
M180FAP11-3/4** (68)	115	100~120	50/60	-3 20/30 -4 18/25	1500/1600 1100/1000	185/200 130/125	5.2/5.7 3.7/3.5	0.35/0.38 0.25/0.23	8.89/9.65 6.35/5.84	42 35	6/5 8/7
M180FAP22-1** (200)(68)	200	200~240	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP22-1** (68)	230	200~240	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP22-2** (68)	230	200~240	50/60	55/65	2300/2200	275/265	7.8/7.5	0.58/0.52	14.73/13.21	53	4/3
M180FAP22-3** (68)	230	200~240	50/60	20/30	1500/1600	185/200	5.2/5.7	0.35/0.38	8.89/9.65	42	6/5
M180FAP22-4** (68)	230	200~240	50/60	18/25	1100/1000	130/125	3.7/3.5	0.25/0.23	6.35/5.84	35	8/7
M180FAP22-1/2** (68)	230	200~240	50/60	-1 60/80 -2 55/65	2750/3250 2300/2200	330/400 275/265	9.3/11.3 7.8/7.5	0.75/0.8 0.58/0.52	19.05/20.32 14.73/13.21	65 53	2/1 4/3
M180FAP22-3/4** (68)	230	200~240	50/60	-3 20/30 -4 18/25	1500/1600 1100/1000	185/200 130/125	5.2/5.7 3.7/3.5	0.35/0.38 0.25/0.23	8.89/9.65 6.35/5.84	42 35	6/5 8/7
M180FAP11/22-1** (68)	115	100~120	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP2-1** (68)	12	12~14	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	64	2/1
M180FAP4-1** (68)	24	24~28	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	64	2/1
M180FAP6-1** (68)	28	28~34	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	65	2/1
M180FAP8-1** (68)	48	48~58	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	64	2/1
M180FAP44-1** (380)(68)	380	380~440	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	64	2/1
M180FAP44-1** (68)	440	380~440(~480)	50/60	60/80	2750/3250	330/400	9.3/11.3	0.75/0.8	19.05/20.32	64	2/1

- ** = "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, outer rotor, 1-phase
Burnout Protection:	Thermally protected
IP Protection:	IP68 or IP69K optional on request

Mechanical

Frame:	Aluminum die cast, black color
Impeller:	7 blades, all metal
Bearing:	Two ball bearings
Rotation:	CCW seen on rotor
Connection:	Wire lead or terminal flat pin connecting
Weight:	1,800g (3.96Lbs)

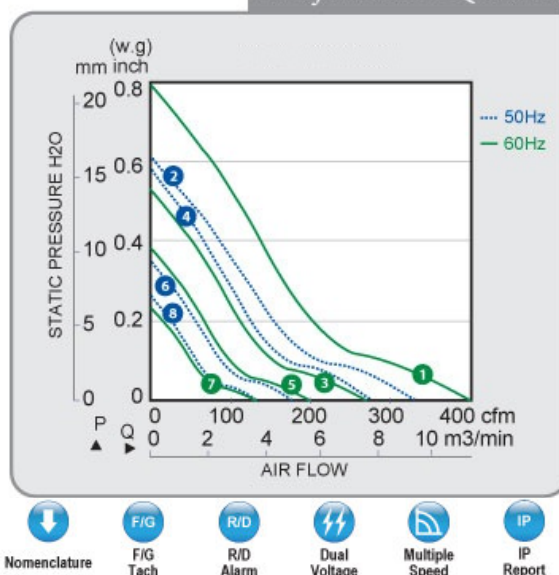
Electrical

Dielectric Strength:	Over 1 min. at 1,500 VAC, 50/60Hz
Insulation Resistance:	Over 100 MΩ at DC 500V
Signal Output:	Optional: R/D alarm output, tachometer output F/G

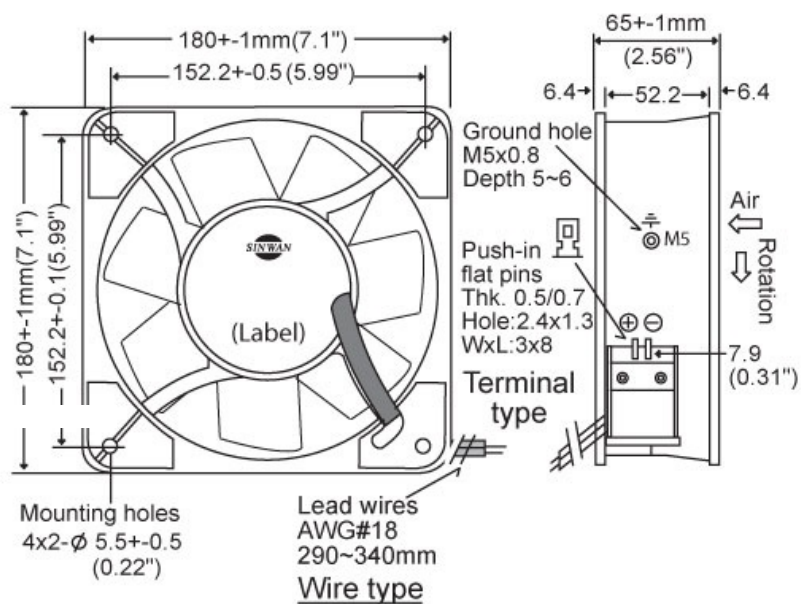
Environment

Operating Temp:	Ambient non-condensing -30~+80C
Storage Temp:	-40C~+100C (at 65%RH)
Life Expectancy:	L10 50K hours at 55C

Performance P-Q Curves



► Outline Dimensions



Relevant products

