



SINWAN

·AC· M280GAP (68)



280x280x89mm/11x11x3.5inch
1,300 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	Max.Static Pressure	Noise Level db(A)	PQ
M280GAP11-1** (68)	115	100~120	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	2/1
M280GAP11-2** (68)	115	100~120	50/60	110/180	2400/2500	1000/1050	28.3/29.7 1.02/0.59 25.91/14.99	62	4/3
M280GAP11-3** (68)	115	100~120	50/60	32/43	1500/1600	620/650	17.6/18.4 0.53/0.45 13.46/11.43	46	6/5
M280GAP11-4** (68)	115	100~120	50/60	26/35	1200/1100	460/450	13/12.7 0.35/0.25 8.89/6.35	34	8/7
M280GAP11-1/2** (68)	115	100~120	50/60	155/210	2750/2900	1150/1250	32.6/35.4 1.2/0.75 30.48/19.05	73	2/1
Dual speed				110/180	2400/2450	1000/1050	28.3/29.7 1.02/0.59 25.91/14.99	62	4/3
M280GAP11-3/4** (68)	115	100~120	50/60	32/43	1500/1600	620/650	17.6/18.4 0.53/0.45 13.46/11.43	46	6/5
Dual speed				26/35	1200/1100	460/450	13/12.7 0.25/0.35 6.35/8.89	34	8/7
M280GAP22-1** (68)	230	200~240	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	2/1
M280GAP22-2** (68)	230	200~240	50/60	110/180	2400/2500	1000/1050	28.3/29.7 1.02/0.59 25.91/14.99	62	4/3
M280GAP22-3** (68)	230	200~240	50/60	32/43	1500/1600	620/650	17.6/18.4 0.53/0.45 13.46/11.43	46	6/5
M280GAP22-4** (68)	230	200~240	50/60	26/35	1100/1000	450/410	12.7/11.6 0.32/0.22 8.13/5.59	32	8/7
M280GAP22-1** (240)(68)	240	200~240	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	2/1
M280GAP22-1/2** (68)	230	200~240	50/60	155/210	2750/2900	1150/1000	32.6/28.3 1.2/0.75 30.48/19.05	73	2/1
Dual speed				110/180	2400/2300	1000/1050	28.3/29.7 1.02/0.59 25.91/14.99	62	4/3
M280GAP22-3/4** (68)	230	200~240	50/60	32/43	1500/1600	620/650	17.6/18.4 0.53/0.45 13.46/11.43	46	6/5
Dual speed				26/35	1200/1100	460/450	13/12.7 0.25/0.35 6.35/8.89	34	8/7
M280GAP22-1/2/3** (68)	230	200~240	50/60	155/210	2500/2700	1000/1080	28.3/30.6 1.2/0.75 30.48/19.05	73	2/1
Multiple speed				110/180	2300/2100	920/840	26.1/23.8 1.02/0.59 25.91/14.99	62	4/3
				32/43	2000/1800	800/720	22.7/20.4 0.53/0.45 13.46/11.43	46	6/5
M280GAP11/22-1** (68)	115	100~120	50/60	155/210	2800/3000	1150/1250	32.6/35.4 1.2/0.68 30.48/17.27	73	2/1
Dual voltage	230	200~240							
M280GAP8-1** (68)	48	48~58	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	2/1
M280GAP38-1** (68)	380	380~420	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	2/1
M280GAP44-1** (68)	440	440~480	50/60	155/210	2800/3200	1150/1300	32.6/36.8 1.2/0.75 30.48/19.05	73	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 steel
Bearing:	Maintenance-free 2 ball bearings
Rotation:	CCW seen on rotor
Connection:	Wire leads, terminal flat pin or Terminal block option
Weight:	3,400g (7.4 Lbs)

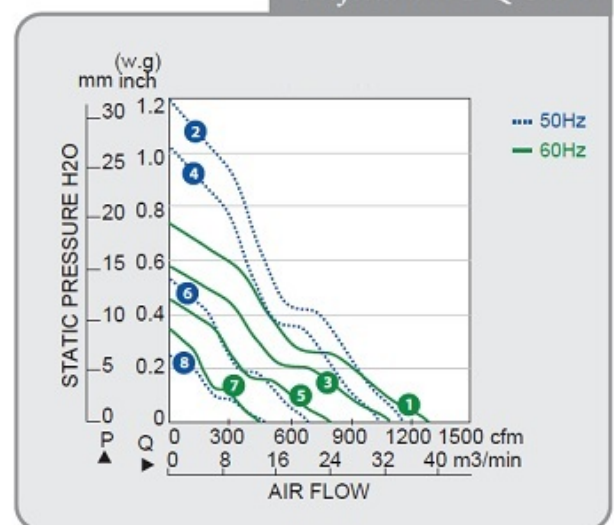
Electronical

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, F/G tachometer output

Environment

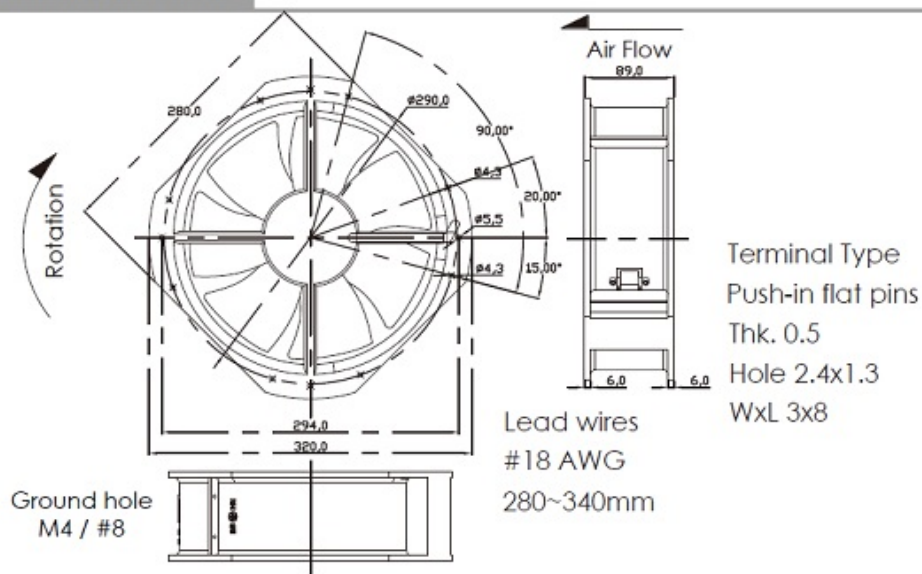
Operating Temp:	Ambient non-condensing -30~+80C
Storage Temp:	-40C~+100C (at 65%RH)
Life Expectancy:	L10 50K hours at 55C, 80K hours at 35C

Performance P-Q Curves



Nomenclature
 F/G Tach
 R/D Alarm
 Dual Voltage
 Multiple Speed
 IP Report

► Outline Dimensions



Relevant products

