



·AC· M280GAN (HR)



280x280x89mm/11x11x3.5inch 1,300 CFM

Sinwan AC Metal Impeller, Reverse Airflow

	Rated	Voltage	Freq	Input	Ref.	Max.Airflow		Max.Static Pressure	Noise	PQ
Model No	Volt	Range		Power	Speed				Level	
	VAC	VAC	Hz	Watt	RPM	CFM	m3/min	Inch/H2O	db(A)	
M280GAN11-1**	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
M280GAN11-2**	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
M280GAN11-3**	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
M280GAN11-4**	115	100~120	50/60	26/35	1200/1100	460/450	13/12.7	0.25/0.35	6.35/8.89	34 8/7
M280GAN11-1/2**	115	100~120	50/60	-1 155/210	2750/2900	1150/1250	32.6/35.4	1.2/0.75	30.48/19.05	73 2/1
Dual speed				-2 110/180	2400/2450	1000/1050	28.3/29.7	1.02/0.59	25.91/14.99	62 4/3
M280GAN11-3/4**	115	100~120	50/60	-3 32/43	1500/1600	620/650	17.6/18.4	0.53/0.45	13.46/11.43	46 6/5
Dual speed				-4 26/35	1200/1100	460/450	13/12.7	0.25/0.35	6.35/8.89	34 8/7
M280GAN22-1**	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
M280GAN22-2**	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
M280GAN22-3**	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
M280GAN22-4**	230	200~240	50/60	26/35	1200/1100	460/450	13/12.7	0.35/0.25	8.89/6.35	34 8/7
M280GAN22-1** (240)	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
M280GAN22-1/2**	230	200~240	50/60	-1 155/210	2750/2900	1150/1000	32.6/28.3	1.2/0.75	30.48/19.05	73 2/1
Dual speed				-2 110/180	2400/2300	1000/1050	28.3/29.7	1.02/0.59	25.91/14.99	62 4/3
M280GAN22-3/4**	230	200~240	50/60	-3 32/43	1500/1600	620/650	17.6/18.4	0.53/0.45	13.46/11.43	46 6/5
Dual speed				-4 26/35	1200/1100	460/450	13/12.7	0.25/0.35	6.35/8.89	34 8/7
M280GAN22-1/2/3**	230	200~240	50/60	-1 155/210	2500/2700	1000/1080	28.3/30.6	1.2/0.75	30.48/19.05	73 2/1,4/3
Multiple speed				-2 110/180	2300/2100	920/840	26.1/23.8	1.02/0.59	25.91/14.99	62 6/5
				-3 32/43	2000/1800	800/720	22.7/20.4	0.53/0.45	13.46/11.43	46
M280GAN11/22-1**	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								
M280GAN8-1**	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
M280GAN38-1**	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
M280GAN44-1**	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: Thermal protector

IP Protection: IP56, IP68

Mechanical

Frame: Aluminum die cast, natural color, or black

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, 1mA, 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



