



• DC • SD175EAP



172x150x55mm / 5x2.17inch

300~150 CFM

Model No	Rated	Voltage	Input	Rated	Ref.	Max.Airflow		Max.Static Pressure		Noise	PQ
	Volt	Range	Power	Current	Speed	CFM	m3/min	Inch/H2O	mm	Level	Curves
	VDC	VDC	Watt	A	RPM					db(A)	
SD175EAP-12SH**	12	8~14	64.8	5.4	4100	295	8.4	0.92	23.37	60	SH
SD175EAP-12HH**	12	8~14	50.4	4.2	3900	280	7.9	0.87	22.1	57	HH
SD175EAP-12H**	12	8~14	23	1.9	3500	250	7.1	0.79	20.07	54	H
SD175EAP-12M**	12	9~14	13.2	1.1	2500	180	5.1	0.59	14.99	43	M
SD175EAP-12L**	12	9~15	5.5	0.45	1800	150	4.2	0.39	9.91	33	L
SD175EAP-24SH**	24	15~27.6	63.6	2.65	4150	300	8.5	0.95	24.13	60	SH
SD175EAP-24HH**	24	15~27.6	50.4	2.1	3900	280	7.9	0.87	22.1	57	HH
SD175EAP-24H**	24	15~27.6	24	0.97	3500	250	7.1	0.79	20.07	54	H
SD175EAP-24M**	24	17~27.6	13	0.52	2500	180	5.1	0.59	14.99	43	M
SD175EAP-24L**	24	17~28	5	0.20	1800	150	4.2	0.39	9.91	33	L
SD175EAP-48SH**	48	22~56	62.4	1.3	4150	300	8.5	0.95	24.13	60	SH
SD175EAP-48HH**	48	22~56	49.4	1.03	3900	280	7.9	0.87	22.1	57	HH
SD175EAP-48H**	48	22~60	23.5	0.48	3500	250	7.1	0.79	20.07	54	H
SD175EAP-48M**	48	24~63	14.5	0.30	2500	180	5.1	0.59	14.99	43	M
SD175EAP-48L**	48	24~63	5.8	0.12	1800	150	4.2	0.39	9.91	33	L

- ** = "WB" for wire lead type Ball bearing, or "TB" for terminal type Ball bearing
- Sinwan reserves the right to change data and improve electrical & mechanical design without notice, data tolerance +-10%

Motor

Motor Type:	Microprocessor brushless DC Motor, auto cutoff, auto restart
Burnout Protection:	Elctronically protected, polarity protected
IP Protection:	-

Mechanical

Frame:	Aluminum die cast, black color(AP) or natural color(AN)
Impeller:	7 blades, glass fiber reinforced plastic, rated UL94V-0
Bearing:	Two ball bearings
Rotation:	CW seen on rotor
Connection:	Wire lead or terminal flat pin connecting
Weight:	1030 g (2.27 Lbs)

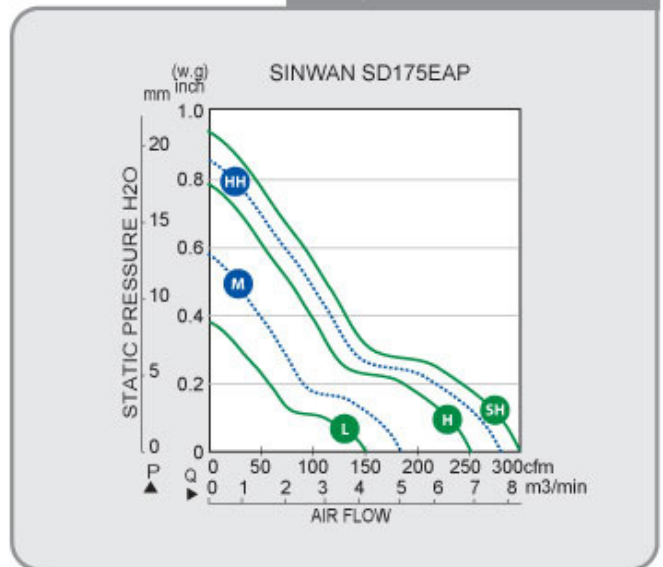
Electronical

Dielectric Strength:	500 VAC/min. Max leakage 500mA
Speed Control:	Optional:PWM, S/C NTC thermister
Signal Output:	Optional:R/D alarm output, tachometer output

Environment

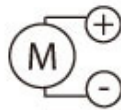
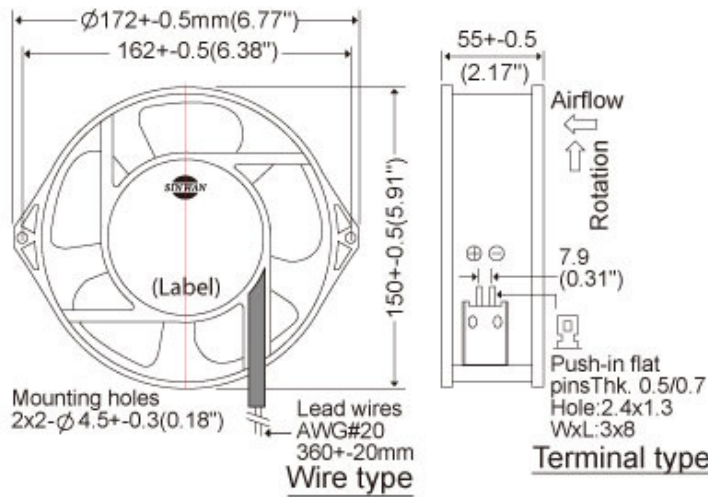
Operating Temp:	Ambient non-condensing -15~+65C
Storage Temp:	-25C~+80C (at 65%RH)
Life Expectancy:	L10 100K hours at 35C, 50K hours at 60C

Performance P-Q Curves



- Nomenclature
- R/D Alarm
- F/G Tach
- S/C Function
- PWM Function

► Outline Dimensions



Function Leads

Red color	Alarm R/D- Yellow color
5V Green	Tacho F/G- White color
12V Blue	Speed control:
24V Black	Themister NT S/C- Orange
38V Brown	Pulse W. Mod. PWM- Purple
48V Brown	Speed setting vs Vol. S/S- Gray

Relevant products



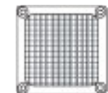
Metal Fan Guard
G172-10H, G172-10HA



Plastic Fan Guard
G172P



Plastic Fan Filter
GRM172-30, GRM172-45



Metal Fan Screen
MF172S-30N



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