



·DC· SD175SAP (68)(MS)



172x152x51.6mm / 6.7x2inch Sinwan DC Fan, 378~187 CFM

SINWAN IP68/IP69K DC Plastic Impeller

Model No	Rated Volt VDC	Voltage Range VDC	Input Power Watt	Rated Current Amp	Ref. Speed RPM	Max. Airflow CFM m3/min	Max. Static Pressure Inch/H2O mm	Noise Level db(A)	PQ Curves	UL
SD175SAP-12H** (68)(MS)	12	8~13.8	23	1.9	4000	291 8.2	0.91 23.11	61.5	H	✓
SD175SAP-12M** (68)(MS)	12	8~13.8	13.2 (~19.2)	1.1 (~1.6)	3500	263 7.4	0.82 20.83	57	M	✓
SD175SAP-12L** (68)(MS)	12	8~13.8	5.5	0.45	2500	187 5.3	0.35 8.89	52	L	✓
SD175SAP-24SH** (68)(MS)	24	15~27	63.6	2.65	5200	378 10.7	1.36 34.54	68	SH	✓
SD175SAP-24HH** (68)(MS)	24	15~27	50.4	2.1	4400	323 9.1	1.06 26.92	63.5	HH	✓
SD175SAP-24H** (68)(MS)	24	15~27.6	24(~31.2)	0.97(~1.3)	4000	291 8.2	0.91 23.11	61.5	H	✓
SD175SAP-24M** (68)(MS)	24	17~27.6	13(~19.2)	0.52(~0.8)	3500	263 7.4	0.82 20.83	57	M	✓
SD175SAP-24L** (68)(MS)	24	17~28	5	0.20	2500	187 5.3	0.35 8.89	52	L	✓
SD175SAP-48SH** (68)(MS)	48	28~56	62.4	1.3	5200	378 10.7	1.36 34.54	68	SH	✓
SD175SAP-48HH** (68)(MS)	48	28~56	49.4	1.03	4400	323 9.1	1.06 26.92	63.5	HH	✓
SD175SAP-48H** (68)(MS)	48	28~56	23.5(~36)	0.48(~0.75)	4000	291 8.2	0.91 23.11	61.5	H	✓
SD175SAP-48M** (68)(MS)	48	28~56	14.5	0.30	3500	263 7.4	0.82 20.83	57	M	✓
SD175SAP-48L** (68)(MS)	48	28~56	5.8	0.12	2500	187 5.3	0.35 8.89	52	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: Electronically protected, polarity protected
IP Protection: IP68 or IP69K optional on request

Mechanical

Frame: Aluminum die cast, black color
Impeller: 5 blades, glass fiber reinforced plastic, rated UL94V-0
Bearing: Two ball bearings
Rotation: CCW seen on rotor
Connection: Wire leads
Weight: 610g (1.3Lbs)

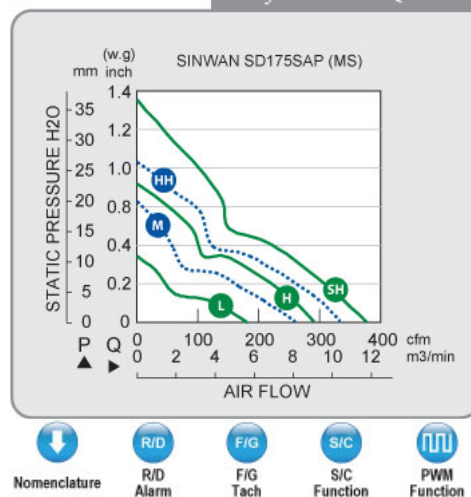
Electrical

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

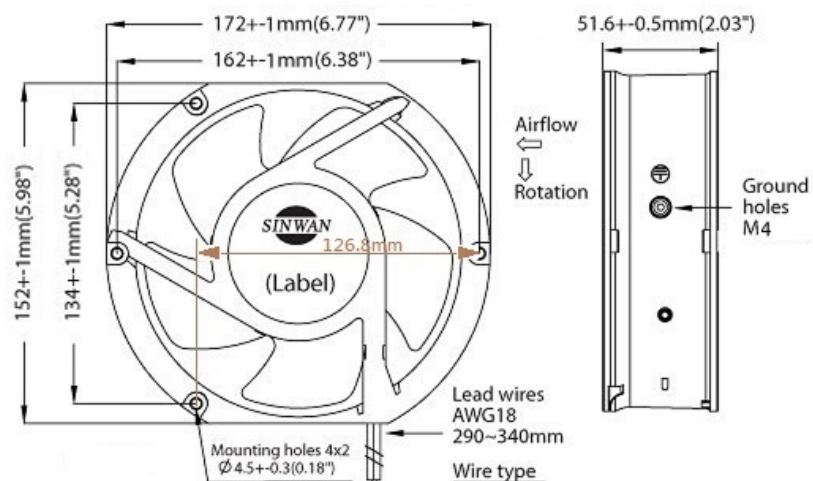
Environment

Operating Temp: -20C~+65C
Storage Temp: -20C~+75C (at 65%RH)
Life Expectancy: L10 90K hours at 35C, 40K hours at 60C

Performance P-Q Curves



► Outline Dimensions



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

