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·DC· SD1238SPT (MS)



**120x120x38mm / 4.7x1.5inch**  
**250~210 CFM**

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
SD1238SPT-12SHH (MS)	12	8~13.8	40.8	3.4	5300	250 7.1	1.3 33.02	64	-	✓
SD1238SPT-12SH (MS)	12	8~13.8	30	2.5	5000	240 6.8	1.1 27.94	62	1	✓
SD1238SPT-12HHH (MS)	12	8~13.8	33.6	1.9	4500	210 5.9	0.85 21.59	59	2	✓
SD1238SPT-24SH (MS)	24	14~26.4	45.6	1.9	5200	240 6.8	1.1 27.94	62	1	✓
SD1238SPT-24HHH (MS)	24	14~26.4	33.6	1.4	4700	210 5.9	0.85 21.59	59	2	✓
SD1238SPT-48SH (MS)	48	28~56	43.2	0.9	5200	240 6.8	1.1 27.94	62	1	✓
SD1238SPT-48HHH (MS)	48	28~56	33.6	0.7	4700	210 5.9	0.85 21.59	59	2	✓

- \*\* = "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: DC Motor  
Burnout Protection: Electronically protected, Polarity protected  
IP Protection: IP55, IP68 (Optional)

**Mechanical**

Frame: Glass fiber reinforced thermoplastic, rated UL94V-0  
Impeller: 7 blades, glass fiber reinforced plastic, rated UL94V-0  
Bearing: Two ball bearings  
Rotation: CCW seen on rotor  
Connection: Wire lead or Terminal flat pin connecting  
Weight: 280g

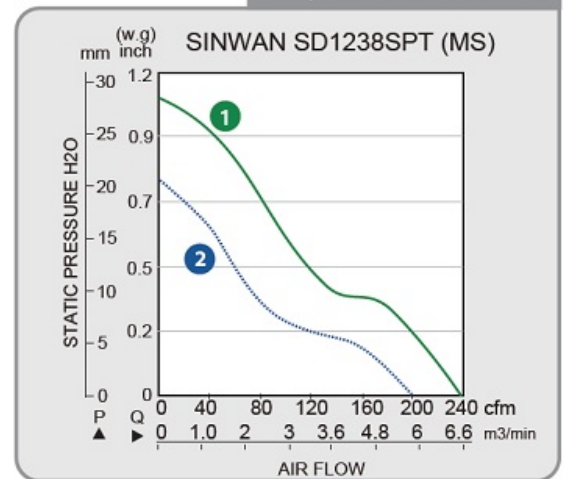
**Electronical**

Dielectric Strength: 500 VAC/min. Max leakage 0.5mA  
Speed Control: Optional: PWM, S/C NTC thermister... on request  
Signal Output: Optional: RD Alarm output, FG Tachometer output

**Environment**

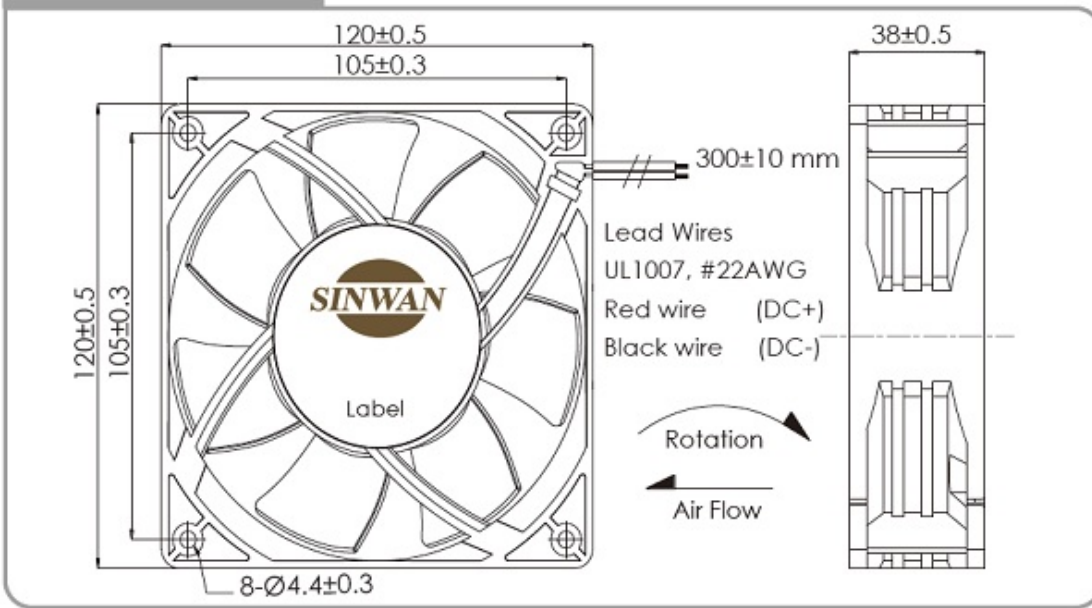
Operating Temp: -20C~+65C  
Storage Temp: -20C~+75C (at 65%RH)  
Life Expectancy: L10 70K hours at 40C

► Performance P-Q Curves



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

▶ Outline Dimensions



Relevant products



Metal Fan Guard  
G109-15A, G109-15B,  
G109-17



Plastic Fan Guard  
G119P2, G119P4, G120P,  
G120P2, G120P25F,  
G120P4



Plastic Fan Filter  
GRM120-30, GRM120-45



Metal Fan Screen  
MF120S-30N

