



·DC· SD1238PT (68)(MS)



120x120x38mm / 4.7x1.5inch Sinwan DC Fan, 180~68 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
SD1238PT-12SH** (68)(MS)	12	8~13.8	10.6(~17)	0.88(~1.43)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238PT-12HH** (68)(MS)	12	8~13.8	8.4(~10)	0.7(~0.9)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238PT-12H** (68)(MS)	12	8~13.8	6.0	0.50	2900	124 3.5	0.47 11.94	44	H	✓
SD1238PT-12M** (68)(MS)	12	8~13.8	4.8	0.40	2600	115 3.3	0.43 10.92	41	M	✓
SD1238PT-12L** (68)(MS)	12	8~13.8	2.4	0.2	2000	90 2.5	0.32 8.13	35	L	✓
SD1238PT-12L** (2L)(68)(MS)	12	8~13.8	2.4	0.2	1500	68 1.9	0.24 6.1	28	LL	✓
SD1238PT-24SH** (68)(MS)	24	15~26	10.3(~22)	0.43(~0.9)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238PT-24HH** (68)(MS)	24	15~26	8.4(~14.8)	0.35(~0.62)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238PT-24H** (68)(MS)	24	15~26	5.5(~12)	0.23(~0.5)	2900	124 3.5	0.47 11.94	44	H	✓
SD1238PT-24M** (68)(MS)	24	18~27	4.6(~8)	0.19(~0.34)	2600	115 3.3	0.43 10.92	41	M	✓
SD1238PT-24L** (68)(MS)	24	18~27.6	3.6	0.15	2000	90 2.5	0.32 8.13	35	L	✓
SD1238PT-24L** (2L)(68)(MS)	24	18~27.6	3.6	0.15	1500	68 1.9	0.24 6.1	28	LL	✓
SD1238PT-48SH** (68)(MS)	48	28~55	10.6(~20)	0.22(~0.41)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238PT-48HH** (68)(MS)	48	28~55	7.7(~15)	0.16(~0.3)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238PT-48H** (68)(MS)	48	28~55	5.0(~14)	0.10(~0.29)	2900	124 3.5	0.47 11.94	44	H	✓
SD1238PT-48M** (68)(MS)	48	28~55.2	3.8(~7)	0.08(~0.14)	2600	115 3.3	0.43 10.92	41	M	✓
SD1238PT-48L** (68)(MS)	48	30~56	3.4	0.07	2000	90 2.5	0.32 8.13	35	L	✓
SD1238PT-48L** (2L)(68)(MS)	48	30~56	3.4	0.07	1500	68 1.9	0.24 6.1	28	LL	✓

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

Motor

Motor Type: Brushless DC Motor, auto cutoff, auto restart

Burnout Protection: Elcetronically protected, polarity protected

IP Protection: IP68 or IP69K optional on request

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

Weight: 200g

Electronical

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

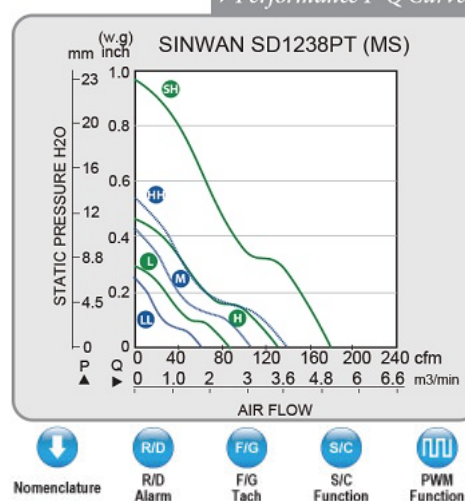
Environment

Operating Temp: -20C~+65C

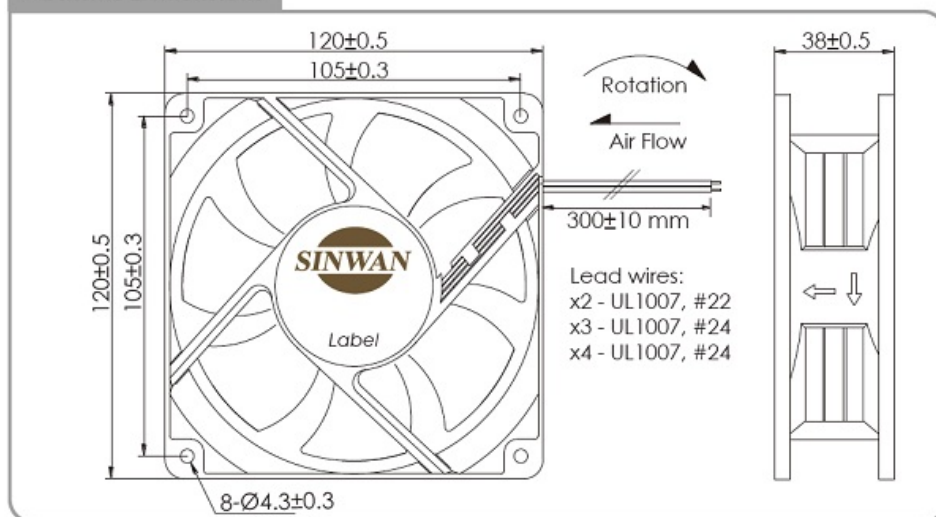
Storage Temp: -20C~+75C (at 65%RH)

Life Expectancy: L10 70K hours at 40C

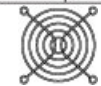
Performance P-Q Curves



► 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



RoHS