



·DC· SD1238AP (HR)(MS)



120x120x38mm/4.7x1.5inch
180~68 CFM

Heat-Resistant Fan

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
SD1238AP-12SH**	12	8~13.8	10.6 (~17)	0.88 (~1.43)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238AP-12HH**	12	8~13.8	8.4 (~10)	0.7 (~0.9)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238AP-12H**	12	8~13.8	6.0	0.50	2900	124 3.5	0.47 11.94	44	H	✓
SD1238AP-12M**	12	8~13.8	4.8	0.40	2600	115 3.3	0.43 10.92	41	M	✓
SD1238AP-12L**	12	8~13.8	2.4	0.2	2000	90 2.5	0.32 8.13	35	L	✓
SD1238AP-12L** (2L)	12	8~13.8	2.4	0.2	1500	68 1.9	0.24 6.1	28	LL	✓
SD1238AP-24SH**	24	15~26	10.3 (~22)	0.43 (~0.9)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238AP-24HH**	24	15~26	8.4 (~11)	0.35 (~0.48)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238AP-24H**	24	15~26	5.5 (~12)	0.23 (~0.5)	2900	124 3.5	0.47 11.94	44	H	✓
SD1238AP-24M**	24	18~27	4.6 (~8)	0.19 (~0.34)	2600	115 3.3	0.43 10.92	41	M	✓
SD1238AP-24L**	24	18~27.6	3.6	0.15	2000	90 2.5	0.32 8.13	35	L	✓
SD1238AP-24L** (2L)	24	18~27.6	3.6	0.15	1500	68 1.9	0.24 6.1	28	LL	✓
SD1238AP-48SH**	48	28~55	10.6 (~20)	0.22 (~0.41)	4200	180 5.1	0.98 24.89	54	SH	✓
SD1238AP-48HH**	48	28~55	7.7 (~15)	0.16 (~0.3)	3200	136 3.9	0.56 14.22	48	HH	✓
SD1238AP-48H**	48	28~55	5.0 (~14)	0.10 (~0.29)	2900	124 3.5	0.47 11.94	44	H	✓
SD1238AP-48M**	48	28~55.2	3.8 (~7)	0.08 (~0.14)	2600	115 3.3	0.43 10.92	41	M	✓
SD1238AP-48L**	48	30~56	3.4	0.07	2000	90 2.5	0.32 8.13	35	L	✓
SD1238AP-48L** (2L)	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: Elctronically protected, polarity protected

IP Protection: IP55,56,68 optional 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: 320g

Electronical

Dielectric Strength: 500 VAC/min. Max leakage 500mA

Speed Control: Optional: PWM, S/C NTC thermister

Signal Output: Optional: RD Rotation Detactor, FG Frequency Generator

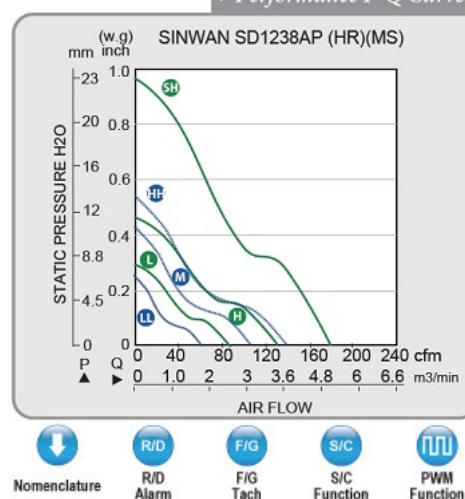
Environment

Operating Temp: -10C~+100C

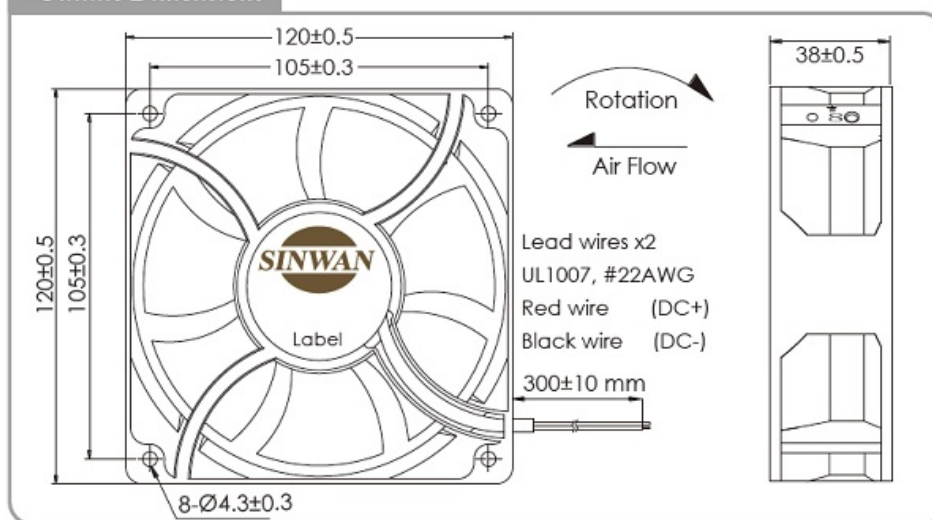
Storage Temp: -40C~+75C (at 65%RH)

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