



·DC· SD1238AP (68)



120x120x38mm / 4.7x1.5inch Sinwan DC Fan, 123~68 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
SD1238AP-05SH** (68)	5	4~6	9.5	1.9	3800	120 3.4	0.51 12.95	47	SH	✓
SD1238AP-05HH** (68)	5	4~6	8	1.6	3400	105 3	0.45 11.43	44	HH	✓
SD1238AP-05H** (68)	5	4~6	3.5	0.65	2900	87 2.5	0.30 7.62	41	H	✓
SD1238AP-05M** (68)	5	4~6	3.0	0.55	2400	75 2.1	0.20 5.08	33	M	✓
SD1238AP-05L** (68)	5	4~6	2.0	0.40	2000	68 1.9	0.15 3.81	28	L	✓
SD1238AP-12SH** (68)	12	7~13.8	10.6	0.88	4000	123 3.5	0.53 13.46	49	SH	✓
SD1238AP-12HH** (68)	12	7~13.8	8.4	0.7	3500	108 3.1	0.47 11.94	46	HH	✓
SD1238AP-12H** (68)	12	7~13.8	6.0	0.50	3000	88 2.5	0.32 8.13	43	H	✓
SD1238AP-12M** (68)	12	7~13.8	4.8	0.40	2500	77 2.2	0.22 5.59	32	M	✓
SD1238AP-12L** (68)	12	7~14	2.4	0.20	2000	68 1.9	0.15 3.81	25	L	✓
SD1238AP-24SH** (68)	24	10~26	10.3	0.43	4000	123 3.5	0.53 13.46	49	SH	✓
SD1238AP-24HH** (68)	24	10~26	8.4	0.35	3500	108 3.1	0.47 11.94	46	HH	✓
SD1238AP-24H** (68)	24	10~26	5.5	0.23	3100	93 2.6	0.31 7.87	44	H	✓
SD1238AP-24M** (68)	24	10~27	4.6	0.19	2500	77 2.2	0.22 5.59	32	M	✓
SD1238AP-24L** (68)	24	12~27.6	3.6	0.15	2000	68 1.9	0.15 3.81	25	L	✓
SD1238AP-48SH** (68)	48	22~55	10.6	0.22	4000	123 3.5	0.53 13.46	49	SH	✓
SD1238AP-48HH** (68)	48	22~55	7.7	0.16	3500	108 3.1	0.47 11.94	46	HH	✓
SD1238AP-48H** (68)	48	22~55	5.0	0.10	3100	105 3	0.31 7.87	45	H	✓
SD1238AP-48M** (68)	48	22~55.2	3.8	0.08	2500	77 2.2	0.22 5.59	32	M	✓
SD1238AP-48L** (68)	48	24~56	3.4	0.07	2000	68 1.9	0.15 3.81	25	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: 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 lead or terminal flat pin connecting

Weight: 320g (0.71Lbs)

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

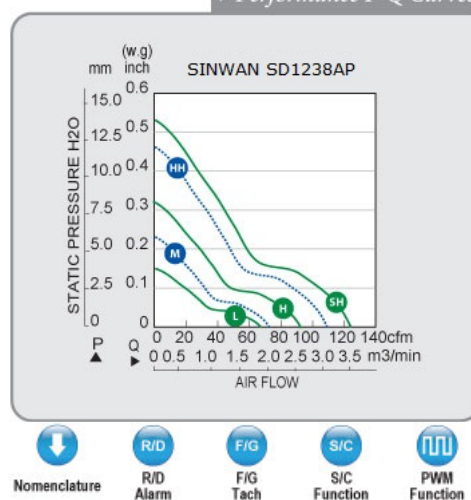
Environment

Operating Temp: -20C~+65C

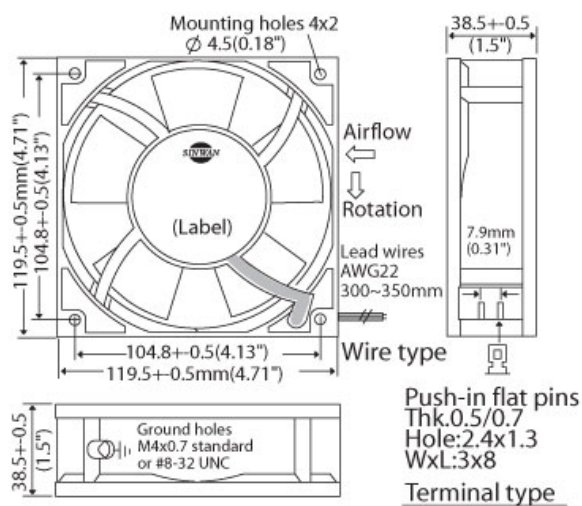
Storage Temp: -20C~+75C (at 65%RH)

Life Expectancy: L10 100K hours at 35C, 50K hours at 65C

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

