

Print page



·DC· SD1238PT (MS)



120x120x38mm / 4.7x1.5inch

180~68 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
SD1238PT-12SH**	12	8~13.8	10.6 (~17)	0.88 (~1.43)	4200	180 5.1	0.98 24.89	54	SH	<input checked="" type="checkbox"/>
SD1238PT-12HH**	12	8~13.8	8.4 (~10)	0.7 (~0.9)	3200	136 3.9	0.56 14.22	48	HH	<input checked="" type="checkbox"/>
SD1238PT-12H**	12	8~13.8	6.0	0.50	2900	124 3.5	0.47 11.94	44	H	<input checked="" type="checkbox"/>
SD1238PT-12M**	12	8~13.8	4.8	0.40	2600	115 3.3	0.43 10.92	41	M	<input checked="" type="checkbox"/>
SD1238PT-12L**	12	8~13.8	2.4	0.2	2000	90 2.5	0.32 8.13	35	L	<input checked="" type="checkbox"/>
SD1238PT-12L** (2L)	12	8~13.8	2.4	0.2	1500	68 1.9	0.24 6.1	28	LL	<input checked="" type="checkbox"/>
SD1238PT-24SH**	24	15~26	10.3 (~22)	0.43 (~0.9)	4200	180 5.1	0.98 24.89	54	SH	<input checked="" type="checkbox"/>
SD1238PT-24HH**	24	15~26	8.4 (~14.8)	0.35 (~0.62)	3200	136 3.9	0.56 14.22	48	HH	<input checked="" type="checkbox"/>
SD1238PT-24H**	24	15~26	5.5 (~12)	0.23 (~0.5)	2900	124 3.5	0.47 11.94	44	H	<input checked="" type="checkbox"/>
SD1238PT-24M**	24	18~27	4.6 (~8)	0.19 (~0.34)	2600	115 3.3	0.43 10.92	41	M	<input checked="" type="checkbox"/>
SD1238PT-24L**	24	18~27.6	3.6	0.15	2000	90 2.5	0.32 8.13	35	L	<input checked="" type="checkbox"/>
SD1238PT-24L** (2L)	24	18~27.6	3.6	0.15	1500	68 1.9	0.24 6.1	28	LL	<input checked="" type="checkbox"/>
SD1238PT-38SH**	38	28~42	10.3 (~17.48)	0.27 (~0.46)	4200	180 5.1	0.98 24.89	54	SH	<input checked="" type="checkbox"/>
SD1238PT-38HH**	38	28~42	8	0.21	3200	136 3.9	0.56 14.22	48	HH	<input checked="" type="checkbox"/>
SD1238PT-38H**	38	28~42	5.4	0.14	2900	124 3.5	0.47 11.94	44	H	<input checked="" type="checkbox"/>
SD1238PT-38M**	38	28~42	3.8	0.1	2600	115 3.3	0.43 10.92	41	M	<input checked="" type="checkbox"/>
SD1238PT-38L**	38	28~42	3	0.08	2000	90 2.5	0.32 8.13	35	L	<input checked="" type="checkbox"/>
SD1238PT-38L** (2L)	38	28~42	3	0.08	1500	68 1.9	0.24 6.1	28	LL	<input checked="" type="checkbox"/>
SD1238PT-48SH**	48	28~55	10.6 (~20)	0.22 (~0.41)	4200	180 5.1	0.98 24.89	54	SH	<input checked="" type="checkbox"/>
SD1238PT-48HH**	48	28~55	7.7 (~15)	0.16 (~0.3)	3200	136 3.9	0.56 14.22	48	HH	<input checked="" type="checkbox"/>
SD1238PT-48H**	48	28~55	5.0 (~14)	0.10 (~0.29)	2900	124 3.5	0.47 11.94	44	H	<input checked="" type="checkbox"/>
SD1238PT-48M**	48	28~55.2	3.8 (~7)	0.08 (~0.14)	2600	115 3.3	0.43 10.92	41	M	<input checked="" type="checkbox"/>
SD1238PT-48L**	48	30~56	3.4	0.07	2000	90 2.5	0.32 8.13	35	L	<input checked="" type="checkbox"/>
SD1238PT-48L** (2L)	48	30~56	3.4	0.07	1500	68 1.9	0.24 6.1	28	LL	<input checked="" type="checkbox"/>

- ** = "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

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 Push-in terminal flat pins
 Weight: 200g

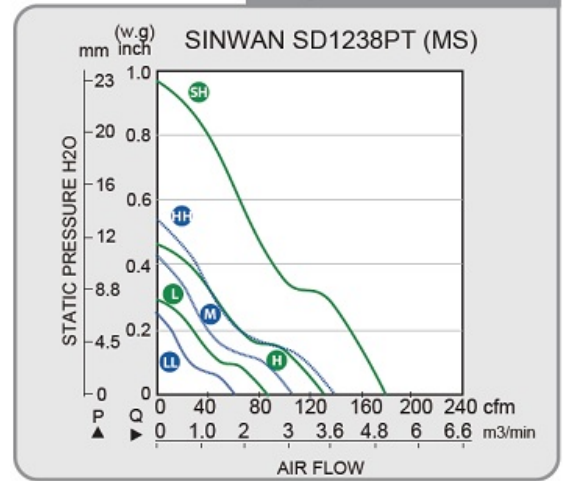
Electronical

Dielectric Strength: 500 VAC/min. Max leakage 0.5mA
 Speed Control: Optional: PWM, S/C NTC thermister
 Signal Output: Optional: RD Rotation Detactor, FG Frequency Generator

Environment

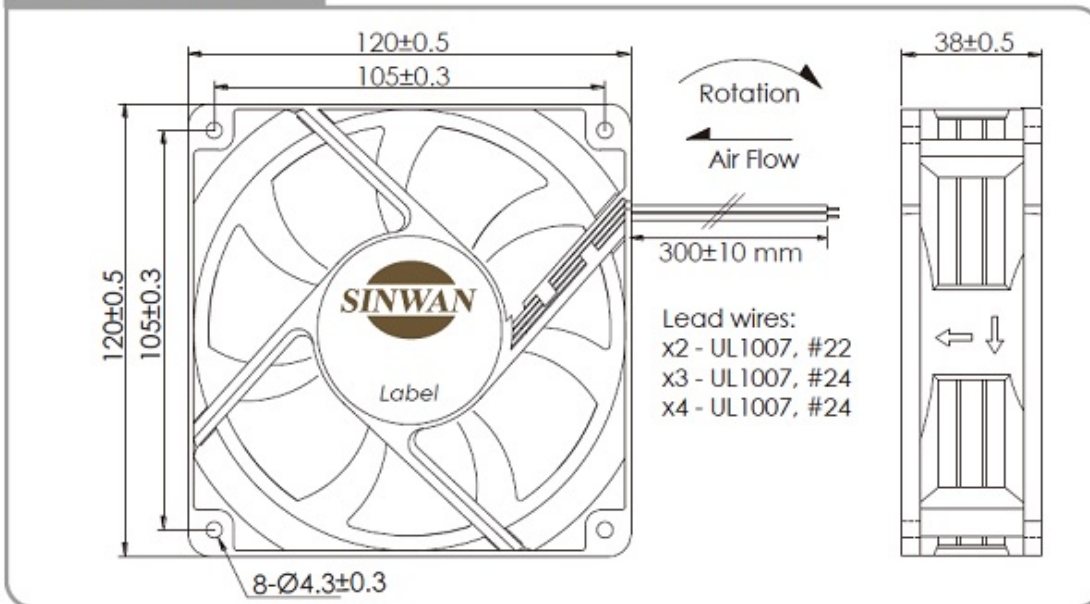
Operating Temp: -20C~+65C
 Storage Temp: -20C~+75C (at 65%RH)
 Life Expectancy: L10 70K hours at 40C

► Performance P-Q Curves



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 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
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RoHS