

120x120x38 mm, 106~45 CFM

SD1238PT

General specification



-Motor: Brushless DC, auto cutoff, auto restart, locking and polarity protected motor

-Frame: Glass fiber reinforced PBT thermoplastic, UL94V-0

-Impeller: Glass fiber reinforced PBT thermoplastic, UL94V-0 impeller

-Rotation: CCW looking at of rotor, air inlet side of housing

-Bearing System: Double sealed high precision ball bearing

-Operating Temp: Ball bearings -20C~+70C

-L10 Life: Ball bearings 65,000 hours at 45C, 50,000 hours at 65C

-Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp

-Connection: Wire or Terminal

-Net Weight: 280 g (0.62 Lbs)

*Nomenclature

*Model No. Information of Sinwan DC Fan Motors_

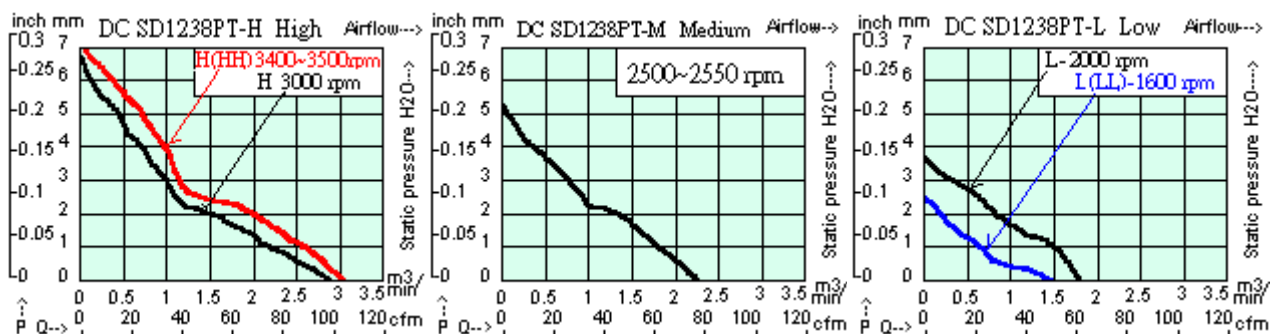
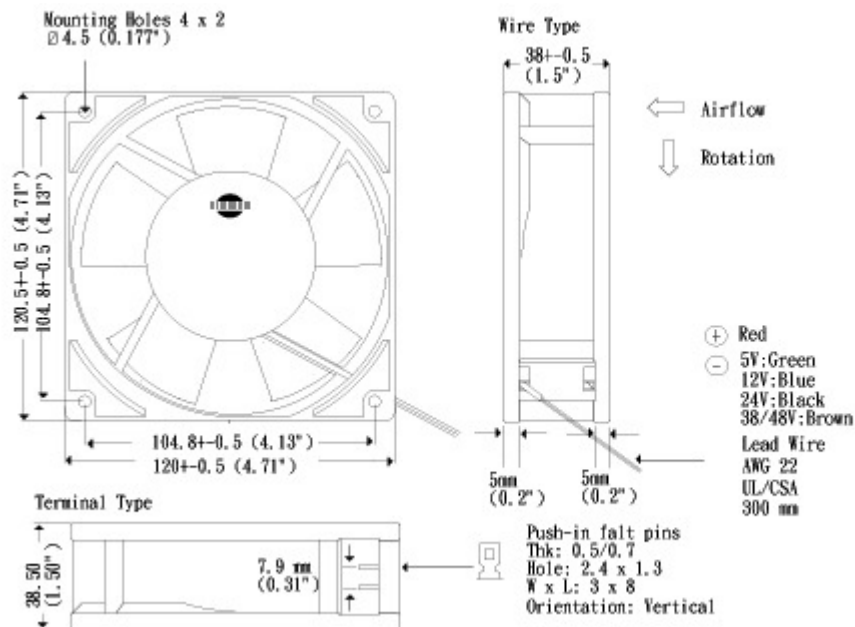
*Model No. Infortmation of Sinwan AC Fan Motors_

Model	Rated Voltage	Voltage Range	Input Power	Rated Current	Rated Speed	Max Airflow	Max Pressure	Noise
	VDC	VDC	W	A	RPM	CFM	Inch/H2O	dB
SD1238PT-12HB (HH)	12	8~13	6	0.5 (~0.58)	3400	106	0.3	44
SD1238PT-12H	12	8~13.8	6.0	0.50	3000	100	0.28	42
SD1238PT-12M	12	8~13.8	4.8	0.40	2500	78	0.21	33
SD1238PT-12L	12	10~14	2.4	0.20	2000	65	0.13	26
SD1238PT-12L (LL)	12	10~15	4.8	0.4	1600	45	0.09	23
SD1238PT-24H (HH)	24	15~26	5.5	0.23	3450	107	0.3	45
SD1238PT-24H	24	15~26	5.5	0.23	3000	100	0.28	42
SD1238PT-24M	24	18~27	4.6	0.19	2550	79	0.21	33
SD1238PT-24L	24	18~27.6	3.6	0.15	2000	65	0.13	26
SD1238PT-24L (LL)	24	18~28	3.6	0.15	1600	45	0.09	23
SD1238PT-48H (HH)	48	28~52	5.5	0.1 (~0.13)	3500	108	0.31	46
SD1238PT-48H	48	28~55	5.5	0.10	3000	100	0.28	42
SD1238PT-48M	48	28~55.2	4.6	0.08	2550	79	0.21	33
SD1238PT-48L	48	30~56	3.6	0.07	2000	65	0.13	26
SD1238PT-48L (LL)	48	30~56	3.6	0.07	1600	45	0.09	23

Fan Performance Curve and Dimension

-Optional Function Leads:

*Alarm, motor stop, cutoff sensor signals (R/D, run-Low, stop-High for alarm function, color yellow lead)*Tach speed sensor output, open collector, 2 square waves per revolution, or TTL 4.4~5 VDC optional(F/G, white lead)*Speed control: 1.S/C, NTC thermister thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(S/C,orange lead)2.PWM, Pulse Width Modulation, microprocessor programmable CPU speed control,10~100%, full stop & 10 speed stages; 800~3800RPM (PWM, purple lead)3.S/V, Control voltage speed setting, Analog 0~10V vs speed RPMsSpeed control via separate DC low voltage interface (S/V, gray lead)* Please visit <http://www.sinwan.com.tw/engineering.asp> to get engineering information *Function leads please check each model design features on Sinwan catalogue of 2006 edition.



* Tests are at nominal rated voltage against zero static pressure*Specifications subject to change without notice, data tolerance +-10%