

Print page



·DC· SD3820PT



**38x38x20mm / 1.5x0.78inch**  
**14~6.5 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
SD3820PT-12SHH**	12	7~13.2	4.2	0.35	13000	14 0.4	0.75 19.05	52	1	<input checked="" type="checkbox"/>
SD3820PT-12SH**	12	7~13.2	3.12	0.26	10000	10.6 0.3	0.58 14.73	43	2	<input checked="" type="checkbox"/>
SD3820PT-12HHH**	12	7~13.2	2.16	0.18	9300	9 0.3	0.42 10.67	42	3	<input checked="" type="checkbox"/>
SD3820PT-12HH**	12	7~13.2	1.92	0.16	8900	8.6 0.2	0.39 9.91	42	4	<input checked="" type="checkbox"/>
SD3820PT-12H**	12	7~13.2	1.56	0.13	8000	7.4 0.2	0.34 8.64	40	5	<input checked="" type="checkbox"/>
SD3820PT-12M**	12	7~13.2	1.2	0.1	6700	6.5 0.2	0.22 5.59	36	6	<input checked="" type="checkbox"/>
SD3820PT-24SHH**	24	14~26.4	4.32	0.18	13000	14 0.4	0.75 19.05	52	1	<input type="checkbox"/>
SD3820PT-24SH**	24	14~26.4	3.12	0.13	10000	10.6 0.3	0.58 14.73	43	2	<input type="checkbox"/>
SD3820PT-24HHH**	24	14~26.4	2.16	0.09	9300	9 0.3	0.42 10.67	42	3	<input type="checkbox"/>
SD3820PT-24HH**	24	14~26.4	1.92	0.08	8900	8.6 0.2	0.39 9.91	42	4	<input type="checkbox"/>
SD3820PT-24H**	24	14~26.4	1.68	0.07	8000	7.4 0.2	0.34 8.64	40	5	<input type="checkbox"/>
SD3820PT-24M**	24	14~26.4	1.2	0.05	6700	6.5 0.2	0.22 5.59	36	6	<input type="checkbox"/>

- \*\* = "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: DC Motor  
Burnout Protection: Electronically protected, Polarity protected  
IP Protection: IP55, IP67 (Optional)

**Mechanical**

Frame: Glass fiber reinforced thermoplastic, rated UL94V-0  
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: 44g

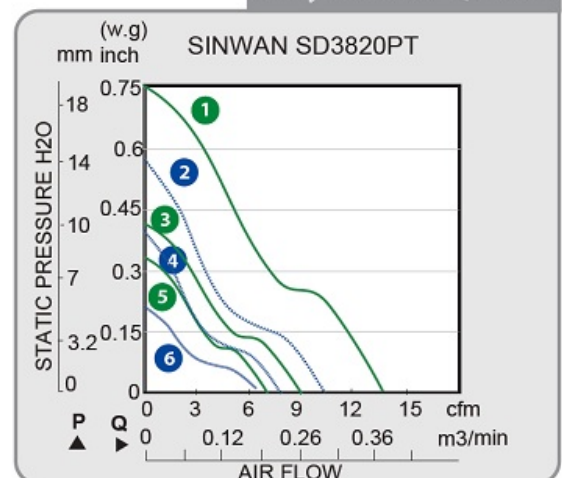
**Electronical**

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**

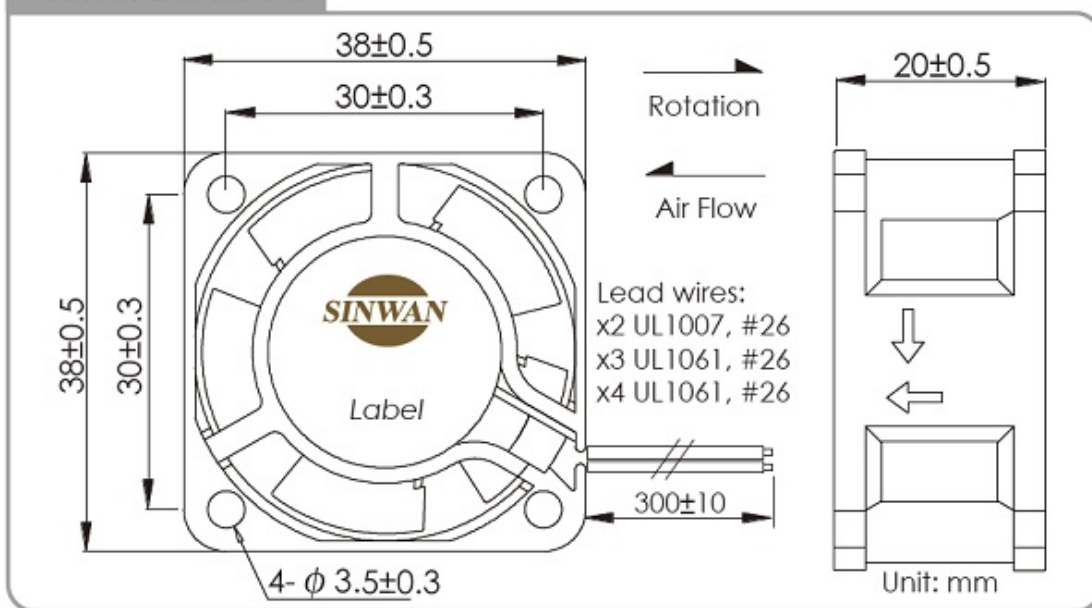
Operating Temp: -20C~+65C  
Storage Temp: -20C~+75C (at 65%RH)  
Life Expectancy: L10 - B:70K hours at 40C / Y:50K hours at 40C

► Performance P-Q Curves



 Nomenclature  
 R/D Alarm  
 F/G Tach

▶ Outline Dimensions



Relevant products

