



·DC· SD8025PT (68)



## 80x80x25mm / 3.15x1inch Sinwan DC Fan, 64~22 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 |
|------------------------|----------------|-------------------|------------------|-------------------|----------------|-------------------------|----------------------------------|-------------------|-----------|
| SD8025PT-05H (HH)(68)  | 5              | 4~6               | 1.4              | 0.28              | 3200           | 40 1.1                  | 0.23 5.84                        | 33                | HH        |
| SD8025PT-05H (68)      | 5              | 4~7               | 1.4              | 0.28              | 2800           | 35 1                    | 0.22 5.59                        | 32                | H         |
| SD8025PT-05M (68)      | 5              | 4~7               | 1.0              | 0.20              | 2200           | 30 0.8                  | 0.15 3.81                        | 27                | M         |
| SD8025PT-05L (68)      | 5              | 4~7               | 0.8              | 0.15              | 1800           | 22 0.6                  | 0.10 2.54                        | 21                | L         |
| SD8025PT-12H (HHH)(68) | 12             | 8~13.8            | 2.2 (~6.2)       | 0.18 (~0.52)      | 5000           | 64 1.8                  | 0.4 10.16                        | 42                | -         |
| SD8025PT-12H (HH)(68)  | 12             | 8~13.8            | 2.2              | 0.18              | 3800           | 48 1.4                  | 0.26 6.6                         | 35                | HH        |
| SD8025PT-12H (68)      | 12             | 8~13.8            | 2.2              | 0.18              | 3300           | 40 1.1                  | 0.23 5.84                        | 33                | H         |
| SD8025PT-12M (68)      | 12             | 8~14              | 1.8              | 0.15              | 2700           | 32 0.9                  | 0.16 4.06                        | 28                | M         |
| SD8025PT-12L (68)      | 12             | 8~14              | 1.4              | 0.12              | 2000           | 22 0.6                  | 0.10 2.54                        | 21                | L         |
| SD8025PT-24H (HHH)(68) | 24             | 12~27.6           | 2.9 (~6)         | 0.12 (~0.25)      | 5000           | 64 1.8                  | 0.4 10.16                        | 42                | -         |
| SD8025PT-24H (HH)(68)  | 24             | 12~27.6           | 2.9 (~4.8)       | 0.12 (~0.2)       | 3800           | 48 1.4                  | 0.26 6.6                         | 35                | HH        |
| SD8025PT-24H (68)      | 24             | 12~27.6           | 2.9              | 0.12              | 3300           | 40 1.1                  | 0.23 5.84                        | 33                | H         |
| SD8025PT-24M (68)      | 24             | 12~27.6           | 2.4              | 0.10              | 2700           | 32 0.9                  | 0.16 4.06                        | 28                | M         |
| SD8025PT-24L (68)      | 24             | 12~28             | 2.0              | 0.08              | 2000           | 22 0.6                  | 0.10 2.54                        | 21                | L         |
| SD8025PT-48HHH (68)    | 48             | 34~56             | 4.3              | 0.09              | 5000           | 64 1.8                  | 0.4 10.16                        | 42                | -         |
| SD8025PT-48HH (68)     | 48             | 34~56             | 3.8              | 0.08              | 3800           | 48 1.4                  | 0.26 6.6                         | 35                | HH        |
| SD8025PT-48H (68)      | 48             | 34~56             | 3.4              | 0.07              | 3300           | 40 1.1                  | 0.23 5.84                        | 33                | H         |
| SD8025PT-48M (68)      | 48             | 34~56             | 2.4              | 0.05              | 2700           | 32 0.9                  | 0.16 4.06                        | 28                | M         |

• 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 optional only

Burnout Protection: Electronically protected, polarity protected

IP Protection: IP68 or IP69K optional on 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 or terminal flat pin connecting

Weight: 78g

### 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

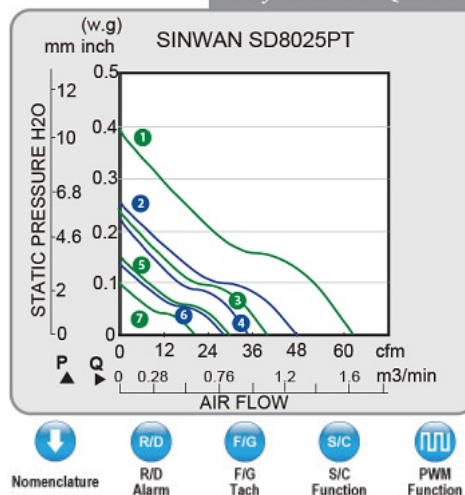
### Environment

Operating Temp: -20C~+65C

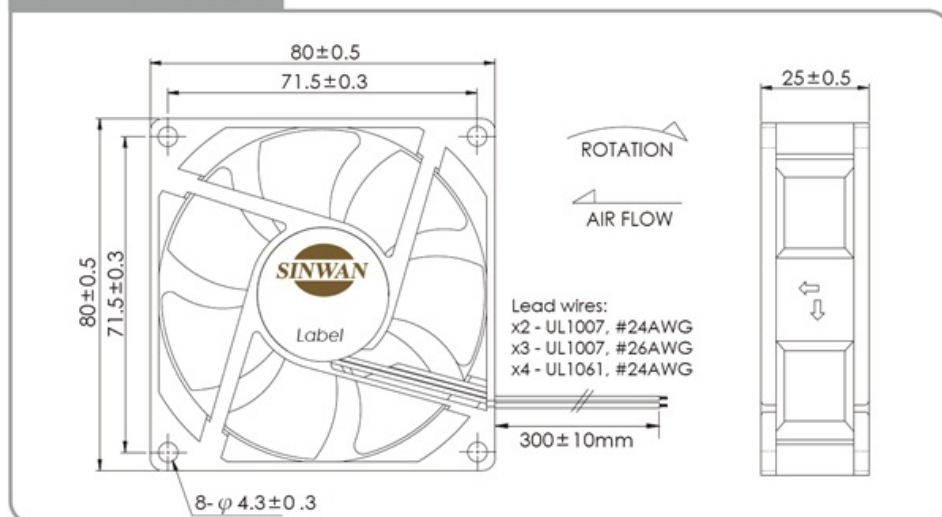
Storage Temp: -20C~+75C (at 65%RH)

Life Expectancy: L10 70K hours at 40C

### Performance P-Q Curves



► Outline Dimensions



Relevant products



Metal Fan Guard  
G80-18



Plastic Fan Guard  
G80P, G80P2, G80P2A,  
G80P4



Plastic Fan Filter  
GRM80-30, GRM80-45



Metal Fan Screen  
MF80S-30N



RoHS