

**120x120x25mm / 4.7x1inch**  
**120~62 CFM**

### Plastic Impeller

|                   | Rated<br>Volt | Voltage<br>Range | Input<br>Power | Rated<br>Current | Ref.<br>Speed | Max.Airflow |        | Max.Static Pressure |      | Noise<br>Level | PQ<br>Curves | UL |
|-------------------|---------------|------------------|----------------|------------------|---------------|-------------|--------|---------------------|------|----------------|--------------|----|
| Model No          | VDC           | VDC              | Watt           | Amp              | RPM           | CFM         | m3/min | Inch/H2O            | mm   | db(A)          |              |    |
| SD1225PT-12H(MS)  | 12            | 8~13.8           | 5.4            | 0.45             | 3100          | 120         | 3.4    | 0.24                | 6.1  | 42             | H            | ☑  |
| SD1225PT-12M(MS)  | 12            | 8~13.8           | 4.0            | 0.35             | 2500          | 90          | 2.5    | 0.19                | 4.83 | 35             | M            | ☑  |
| SD1225PT-12L(MS)  | 12            | 8~14             | 2.5            | 0.20             | 1900          | 70          | 2      | 0.15                | 3.81 | 25             | L            | ☑  |
| SD1225PT-12LL(MS) | 12            | 8~14             | 1.68           | 0.14             | 1700          | 62          | 1.8    | 0.13                | 3.3  | 23             | LL           | ☑  |
| SD1225PT-24H(MS)  | 24            | 14~26            | 5.5 (~7.7)     | 0.23 (~0.32)     | 3100          | 120         | 3.4    | 0.24                | 6.1  | 42             | H            | ☑  |
| SD1225PT-24M(MS)  | 24            | 14~26            | 4.1            | 0.17             | 2500          | 90          | 2.5    | 0.19                | 4.83 | 35             | M            | ☑  |
| SD1225PT-24L(MS)  | 24            | 14~27.6          | 2.4            | 0.10             | 1900          | 70          | 2      | 0.15                | 3.81 | 25             | L            | ☑  |
| SD1225PT-48H(MS)  | 48            | 22~55            | 4.5 (~8.64)    | 0.09 (~0.18)     | 3100          | 120         | 3.4    | 0.24                | 6.1  | 42             | H            | ☑  |
| SD1225PT-48M(MS)  | 48            | 22~55            | 3.5            | 0.07             | 2500          | 90          | 2.5    | 0.19                | 4.83 | 35             | M            | ☑  |
| SD1225PT-48L(MS)  | 48            | 22~56            | 2.9            | 0.06             | 1900          | 70          | 2      | 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, option(auto cutoff/auto restart) |
| Burnout Protection: | Electronically protected, polarity protected         |
| IP Protection:      | IP55, IP68 (Optional)                                |

## Mechanical

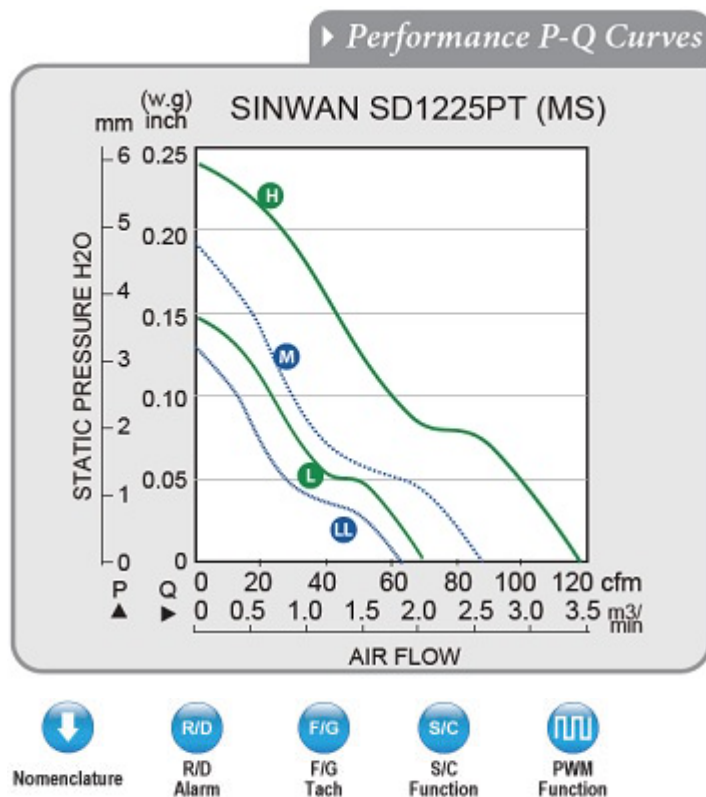
|             |                                                         |
|-------------|---------------------------------------------------------|
| Frame:      | Glass fiber reinforced thermoplastic, rated UL94V-0(PT) |
| Impeller:   | Glass fiber reinforced plastic, rated UL94V-0           |
| Bearing:    | Two ball bearings                                       |
| Rotation:   | CCW seen on rotor                                       |
| Connection: | Lead wires or Terminals                                 |
| Weight:     | 152g (0.336Lbs)                                         |

## Electornical

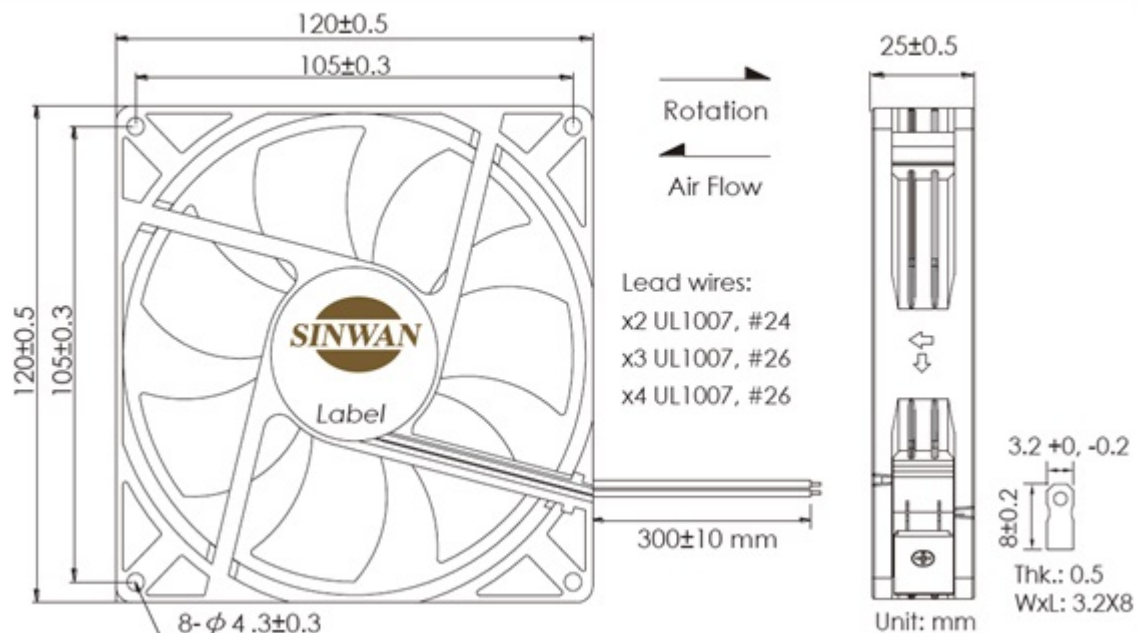
|                      |                               |
|----------------------|-------------------------------|
| Dielectric Strength: | 500VAC/min. Max leakage 0.5mA |
| Speed Control:       | Option : PWM, SC & SV...      |
| Signal Output:       | Option : FG, RD...            |

## Environment

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



## ► Outline Dimensions



## Related Products



Metal Fan Guard

G109-17

G109-15B

G109-15A



Plastic Fan Guard

G120P4

G120P25F

G120P2

G120P

G119P4

G119P2



Plastic Filter

GRM120-45

GRM120-30



Metal Screen

MF120S-30N

