



·DC· SDK6025 (68)



**Dia.56x25mm / 2.2inch**  
**38~12 CFM**

Sinwan IP68/IP69K DC Skeleton Fan

| Model No                | Rated Volt | Voltage Range | Input Power | Rated Current | Ref. Speed | Max.Airflow | Max.Static Pressure | Noise Level | PQ Curves |
|-------------------------|------------|---------------|-------------|---------------|------------|-------------|---------------------|-------------|-----------|
|                         | VDC        | VDC           | Watt        | Amp           | RPM        | CFM m3/min  | Inch/H2O mm         | db(A)       |           |
| SDK6025PT-05H (HH)(68)  | 5          | 4~6           | 1.2         | 0.24 (~0.32)  | 3600       | 25 0.7      | 0.22 5.59           | 30          | HH        |
| SDK6025PT-05H (68)      | 5          | 4~7           | 1.2         | 0.24          | 3200       | 20 0.6      | 0.17 4.32           | 26          | H         |
| SDK6025PT-05M (68)      | 5          | 4~7           | 0.9         | 0.17          | 2800       | 15 0.4      | 0.14 3.56           | 21          | M         |
| SDK6025PT-05L (68)      | 5          | 4~7           | 0.6         | 0.12          | 2000       | 12 0.3      | 0.1 2.54            | 18          | L         |
| SDK6025PT-12H (HHH)(68) | 12         | 8~13.8        | 1.8         | 0.15 (~0.29)  | 5500       | 38 1.1      | 0.26 6.6            | 38          | HHH       |
| SDK6025PT-12H (HH)(68)  | 12         | 8~13.8        | 1.8         | 0.15 (~0.21)  | 4400       | 32 0.9      | 0.24 6.1            | 32          | HH        |
| SDK6025PT-12H (68)      | 12         | 8~13.8        | 1.8         | 0.15          | 4000       | 25 0.7      | 0.22 5.59           | 30          | H         |
| SDK6025PT-12M (68)      | 12         | 8~14          | 1.5         | 0.12          | 3200       | 17 0.5      | 0.16 4.06           | 25          | M         |
| SDK6025PT-12L (68)      | 12         | 8~14          | 1           | 0.08          | 2500       | 14 0.4      | 0.14 3.56           | 20          | L         |
| SDK6025PT-24H (HHH)(68) | 24         | 12~27.6       | 2.8         | 0.12 (~0.18)  | 5500       | 38 1.1      | 0.26 6.6            | 38          | HHH       |
| SDK6025PT-24H (HH)(68)  | 24         | 12~27.6       | 2.8         | 0.12 (~0.15)  | 4400       | 32 0.9      | 0.24 6.1            | 32          | HH        |
| SDK6025PT-24H (68)      | 24         | 12~27.6       | 2.8         | 0.12          | 4000       | 25 0.7      | 0.22 5.59           | 30          | H         |
| SDK6025PT-24M (68)      | 24         | 12~27.6       | 2.2         | 0.09          | 3000       | 17 0.5      | 0.16 4.06           | 25          | M         |
| SDK6025PT-24L (68)      | 24         | 12~28         | 1.5         | 0.06          | 2500       | 14 0.4      | 0.14 3.56           | 20          | L         |
| SDK6025PT-48H (HHH)(68) | 48         | 24~53         | 3.4         | 0.07 (~0.11)  | 5500       | 37 1        | 0.26 6.6            | 38          | HHH       |
| SDK6025PT-48H (HH)(68)  | 48         | 24~55         | 3.4         | 0.07 (~0.1)   | 4400       | 32 0.9      | 0.24 6.1            | 32          | HH        |
| SDK6025PT-48H (68)      | 48         | 24~56         | 3.4         | 0.07          | 4200       | 28 0.8      | 0.23 5.84           | 30          | H         |

- \*\* = "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, auto restart impedance & polarity protected motor

Burnout Protection: Impedance protected

IP Protection: IP68 or IP69K optional on request

#### Mechanical

Frame: Glass fiber reinforced PBT thermoplastic, UL94V-0

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

Bearing: Double sealed high precision ball bearing

Rotation: CCW seen on rotor

Connection: Wire leads connecting AWG24, 300~350mm, stripped ends 3~5mm

Weight: -

#### Electronical

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

Speed Control:

Signal Output:

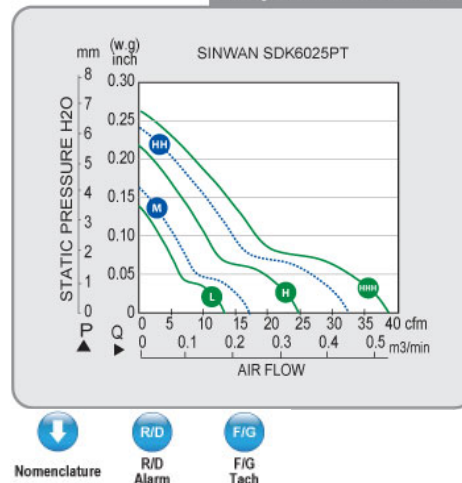
#### Environment

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

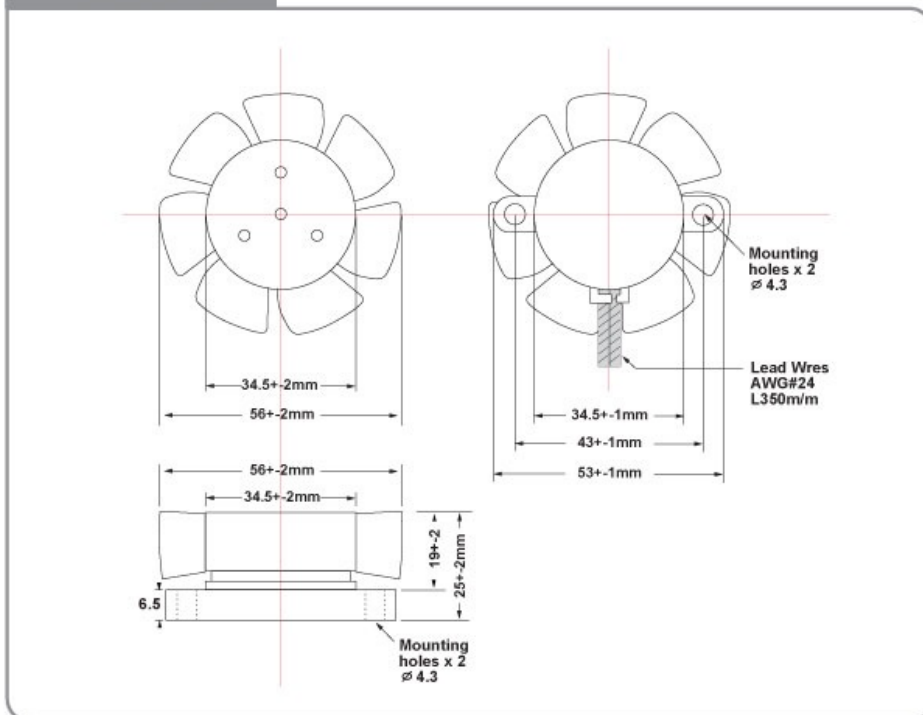
Storage Temp: -25C~+80C (at 65%RH)

Life Expectancy: Ball bearings 60,000 hours at 45C, 45,000 hours at 65C

#### Performance P-Q Curves



► Outline Dimensions



Relevant products

**UL**<sup>®</sup> **CE** **RoHS**