



• DC • SD254AP



Dia.254x88.9mm / 10x3.5inch

850~350 CFM

| Model No | Rated | Voltage | Input | Rated | Ref. | Max.Airflow | | Max.Static Pressure | | Noise | PQ |
|-----------------|-------|---------|-------|---------|-------|-------------|--------|---------------------|-------|-------|--------|
| | Volt | Range | Power | Current | Speed | CFM | m3/min | Inch/H2O | mm | Level | Curves |
| | VDC | VDC | Watt | A | RPM | | | | | db(A) | |
| SD254AP-12SH**3 | 12 | 9~13 | 64.8 | 5.4 | 2400 | 830 | 23.5 | 0.78 | 19.81 | 60 | SH |
| SD254AP-12HH**3 | 12 | 9~13 | 50.4 | 4.2 | 2200 | 750 | 21.2 | 0.69 | 17.53 | 56 | HH |
| SD254AP-12H**3 | 12 | 9~13 | 23 | 1.9 | 2000 | 690 | 19.5 | 0.58 | 14.73 | 47 | H |
| SD254AP-12M**3 | 12 | 9~14 | 13.2 | 1.1 | 1650 | 550 | 15.6 | 0.37 | 9.4 | 39 | M |
| SD254AP-12L**3 | 12 | 10~16 | 5.5 | 0.45 | 1000 | 350 | 9.9 | 0.25 | 6.35 | 28 | L |
| SD254AP-24SH**3 | 24 | 16~27 | 63.6 | 2.65 | 2500 | 850 | 24.1 | 0.83 | 21.08 | 62 | SH |
| SD254AP-24HH**3 | 24 | 16~27 | 50.4 | 2.1 | 2300 | 760 | 21.5 | 0.71 | 18.03 | 58 | HH |
| SD254AP-24H**3 | 24 | 16~27 | 24 | 0.97 | 2000 | 690 | 19.5 | 0.58 | 14.73 | 47 | H |
| SD254AP-24M**3 | 24 | 16~27.6 | 13 | 0.52 | 1650 | 550 | 15.6 | 0.37 | 9.4 | 39 | M |
| SD254AP-24L**3 | 24 | 18~30 | 5 | 0.2 | 1000 | 350 | 9.9 | 0.25 | 6.35 | 28 | L |
| SD254AP-48SH**3 | 48 | 24~53 | 62.4 | 1.3 | 2500 | 850 | 24.1 | 0.83 | 21.08 | 62 | SH |
| SD254AP-48HH**3 | 48 | 24~53 | 49.4 | 1.03 | 2300 | 760 | 21.5 | 0.71 | 18.03 | 58 | HH |
| SD254AP-48H**3 | 48 | 24~53 | 23.5 | 0.48 | 2000 | 690 | 19.5 | 0.58 | 14.73 | 49 | H |
| SD254AP-48M**3 | 48 | 24~56 | 14.5 | 0.3 | 1650 | 550 | 15.6 | 0.37 | 9.4 | 39 | M |
| SD254AP-48L**3 | 48 | 28~58 | 5.8 | 0.12 | 1000 | 350 | 9.9 | 0.25 | 6.35 | 28 | 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: | Microprocessor brushless DC Motor, auto cutoff, auto restart |
| Burnout Protection: | Elctronically protected, polarity protected |
| IP Protection: | - |

Mechanical

| | |
|-------------|---|
| Frame: | Aluminum die cast, black color(AP) |
| Impeller: | 3 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: | 1,830 Gm (4 Lbs) |

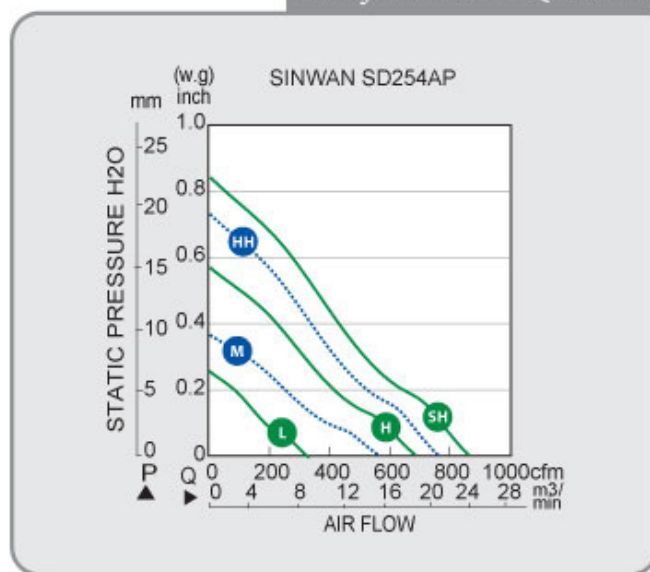
Electronical

| | |
|----------------------|--|
| Dielectric Strength: | 500 VAC/min. Max leakage 500mA |
| Speed Control: | Optional:PWM, S/C NTC thermister |
| Signal Output: | Optional:R/D alarm output, tachometer output |

Environment

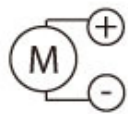
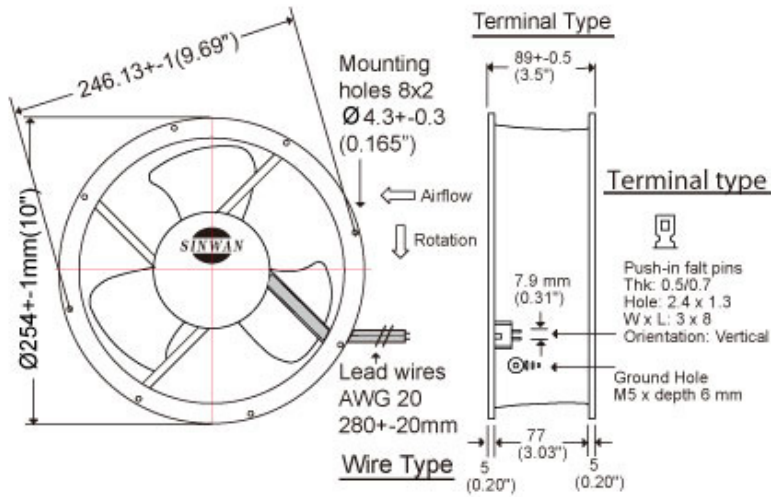
| | |
|------------------|--|
| Operating Temp: | Ambient non-condensing -15~+65C |
| Storage Temp: | -25C~+80C (at 65%RH) |
| Life Expectancy: | L10 90K hours at 35C, 40K hours at 60C |

Performance P-Q Curves



- Nomenclature
- R/D Alarm
- F/G Tach
- S/C Function
- PWM Function

► Outline Dimensions



Function Leads

| | |
|-----------|---------------------------------|
| Red color | Alarm R/D- Yellow color |
| 5V Green | Tacho F/G- White color |
| 12V Blue | Speed control: |
| 24V Black | Themister NT S/C- Orange |
| 38V Brown | Pulse W. Mod. PWM- Purple |
| 48V Brown | Speed setting vs Vol. S/S- Gray |

Relevant products



Metal Fan Guard
G254-9D, G254-9DU



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