

Super Silent Blowers  
**E1027H**



**97×95×25**  
**(3.8"×3.7"×1.0")**  
Max. airflow: 0.78 m<sup>3</sup>/min  
Max. static pressure: 520 Pa  
Mass: 125 g (~7), 150 g (~A)

Fan model code

E1027H12B7AP-00

E1027H12B7AS-00

E1027H12B7AZ-00

E1027H12BAAP-00

E1027H12BAAS-00

E1027H12BAAZ-00

**Standard specification**

| Max. Airflow        |     | Max. Static Pressure |                    | Noise<br>dB | Speed<br>min <sup>-1</sup> | Voltage Spec. V |                 | Current mA |          | Model Code             | Operating<br>Temp. Range °C |
|---------------------|-----|----------------------|--------------------|-------------|----------------------------|-----------------|-----------------|------------|----------|------------------------|-----------------------------|
| m <sup>3</sup> /min | CFM | Pa                   | inH <sub>2</sub> O |             |                            | Rating          | Operating Range | Rating     | Starting |                        |                             |
| 0.78                | 28  | 520                  | 2.09               | 55          | 5000                       | 12              | 8.4-13.8        | 1000       | 2200     | <b>E1027H12BAAZ-00</b> | -20 ~ +60                   |
| 0.57                | 20  | 315                  | 1.27               | 47          | 3600                       |                 | 5.0-13.2        | 550        | 1670     | <b>E1027H12B7AZ-00</b> | -20 ~ +70                   |

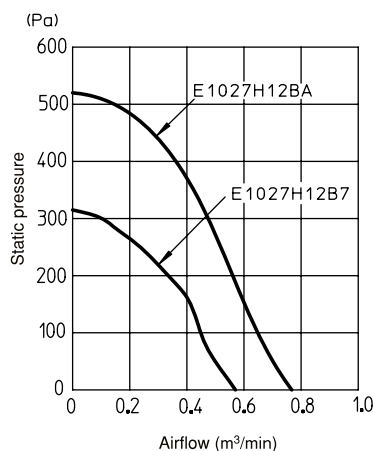
- Figures in the table are average measured values. Please request the product delivery specification when preparing a purchase specification.
- The characteristics are the values at rated voltage (12 V), and normal temperature and humidity.

**General specification**

|                    |   |
|--------------------|---|
| Materials Used     | Venturi: ABS and PBT synthetic resins<br>Impeller: ABS and PBT synthetic resins<br>Bearing: Both side shielded ball bearing |
| Motor              | Brushless DC motor, Protection type: Current shut off by detecting lock state, automatically reset                          |
| Common Elec. Spec. | See pages G-11, G-12, G-13.   |

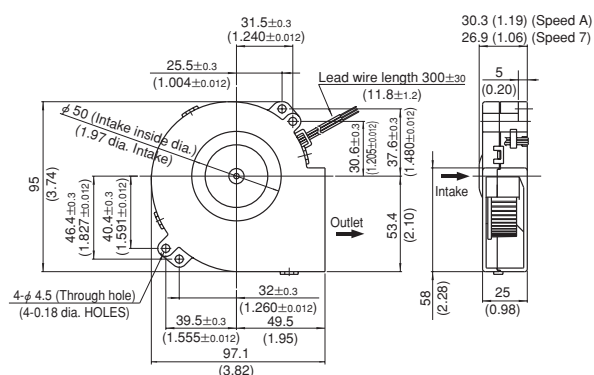
**Standard airflow and static pressure characteristics (At rated voltage)**

[By double chamber method]



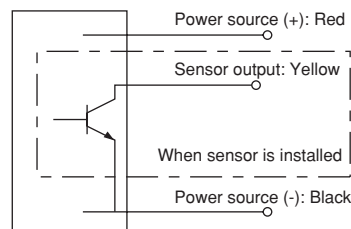
**External dimensions in mm (inches)**

● Lead wire type



Lead wire spec. AWG24 UL3266  
Color (+) Red  
(-) Black

**Wiring connection diagram**



**Super silent blower with sensor**

| Rated Vol. | Model Code             |                        |
|------------|------------------------|------------------------|
| 12 V       | <b>E1027H12B7AS-00</b> | <b>E1027H12BAAS-00</b> |
|            | <b>E1027H12B7AP-00</b> | <b>E1027H12BAAP-00</b> |

- NIDEC SERVO can meet many of your requirements for customization, such as special connectors, other sensors not listed above, variable speed specifications, and other modifications. Please contact NIDEC SERVO during your product planning and development stage.
- The listed products are registered in the following overseas standards files, UL/CUL: E48889, TUV: R50004410

