

**40x40x20 mm/1.6x0.8 inch, 9.7~4.8 CFM**

**TD4020 General specification**



- Motor: Brushless DC, impedance protected, auto cutoff auto restart optional only
- Motor Protection:
- 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 looking at rotor, air inlet side of housing
- Operating Temp: Ball bearings -20C~+65C
- Storage Temp:
- Life Expectancy: Ball bearings 65,000 hours at 45C, 50,000 hours at 60C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire or Terminal
- Weight: 30 g (0.066 Lbs)

| Model        | Rated Voltage VDC | Voltage Range VDC | Input Power W | Rated Current A | Ref. Speed RPM | Max Airflow CFM | M3/Min | Max Pressure Inch/H2O | mm   | Noise dB |
|--------------|-------------------|-------------------|---------------|-----------------|----------------|-----------------|--------|-----------------------|------|----------|
| TD4020-H-5   | 5                 | 4~7               | 1.15          | 0.23            | 6500           | 7.6             | 0.23   | 0.17                  | 4.32 | 30       |
| TD4020-M-5   | 5                 | 4~7               | 0.9           | 0.18            | 5200           | 6.5             | 0.17   | 0.14                  | 3.56 | 24       |
| TD4020-L-5   | 5                 | 4~7               | 0.75          | 0.15            | 4500           | 4.8             | 0.14   | 0.12                  | 3.05 | 20       |
| TD4020-HH-12 | 12                | 8~13.8            | 1.2           | 0.10            | 9000           | 9.7             | 0.28   | 0.38                  | 9.65 | 33       |
| TD4020-H-12  | 12                | 8~13.8            | 1.2           | 0.10            | 6500           | 7.6             | 0.23   | 0.17                  | 4.32 | 30       |
| TD4020-M-12  | 12                | 8~13.8            | 0.96          | 0.08            | 5200           | 6.5             | 0.17   | 0.14                  | 3.56 | 24       |
| TD4020-L-12  | 12                | 8~14              | 0.72          | 0.06            | 4500           | 4.8             | 0.14   | 0.12                  | 3.05 | 20       |
| TD4020-HH-24 | 24                | 12~27.6           | 1.68          | 0.07            | 8200           | 8.8             | 0.25   | 0.32                  | 8.13 | 32       |
| TD4020-H-24  | 24                | 12~27.6           | 1.68          | 0.07            | 6500           | 7.6             | 0.23   | 0.17                  | 4.32 | 30       |
| TD4020-M-24  | 24                | 12~28             | 1.2           | 0.05            | 5200           | 6.5             | 0.17   | 0.14                  | 3.56 | 24       |
| TD4020-L-24  | 24                | 12~28             | 0.72          | 0.03            | 4500           | 4.8             | 0.14   | 0.12                  | 3.05 | 20       |

**Related Product Information**

Please see our related items below for suggested products to use with this item:

- Metal Fan Guard: TWG-40
- Plastic Fan Guard: TPG-40
- Plastic Fan Filter: TFK-40-30, TFK-40-45

**Related Technical Information**

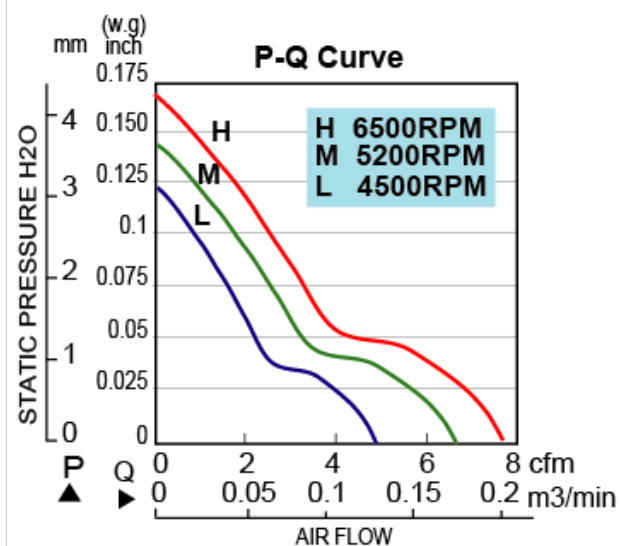
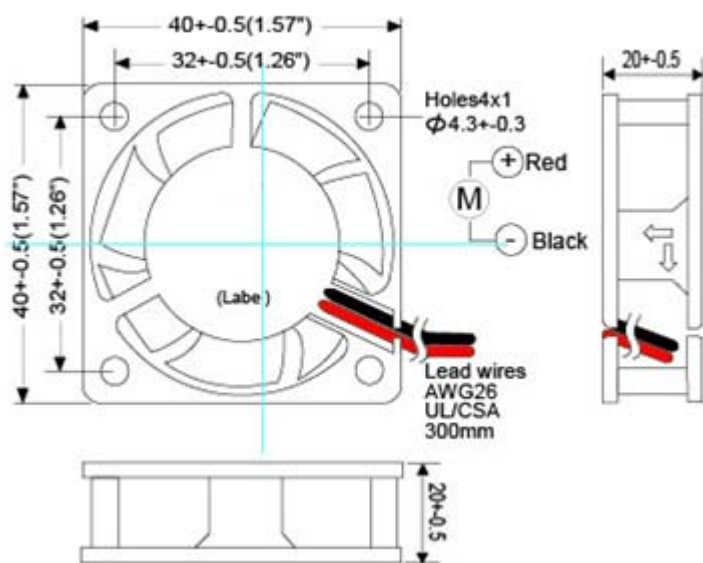
-Optional Function Leads:

- \*Alarm, motor stop, cutoff sensor signals (L, run-Low, stop-High for alarm function, color yellow lead)
- \*Tach speed sensor output, open collector, 2 square waves per revolution, or TTL 4.4~5 VDC optional (T, white lead)

\*Speed control:

- H, NTC thermistor thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H, orange lead)
- P, Pulse Width Modulation, microprocessor programmable CPU speed control, 10~100%, full stop & 10 speed stages; 800~3800RPM (P, purple lead)
- V, Control voltage speed setting, Analog 0~10V vs speed RPM speed control via separate DC low voltage interface (V, gray lead)

**Fan Performance Curves and Dimension**



\* TEI reserves the right to change data and specs without notice\* Tests are at nominal rated voltage against zero static pressure\* Specifications subject to change without notice, data tolerance +-10%