



45x45x10.5 mm/1.8x0.41 inch, 7.6~4.8 CFM

TD4510 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 55,000 hours at 45C, 40,000 hours at 60C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire or Terminal
- Weight: 15 g (0.033 Lbs)

Model	Rated Voltage	Voltage Range	Input Power	Rated Current	Ref. Speed	Max Airflow	Max Pressure			Noise
	VDC	VDC	W	A	RPM	CFM	M3/Min	Inch/H2O	mm	dB
TD4510-H-5	5	4~7	1	0.20	6000	7.6	0.23	0.11	2.79	32
TD4510-M-5	5	4~7	0.9	0.18	5000	6.2	0.17	0.099	2.51	27
TD4510-L-5	5	4~7	0.8	0.16	4000	4.8	0.14	0.059	1.50	22
TD4510-H-12	12	8~13.8	2.16	0.18	6000	7.6	0.23	0.11	2.79	32
TD4510-M-12	12	8~13.8	1.2	0.10	5000	6.2	0.17	0.099	2.51	27
TD4510-L-12	12	8~14	0.96	0.08	4000	4.8	0.14	0.059	1.50	22
TD4510-H-24	24	12~27.6	1.96	0.08	6000	7.6	0.23	0.11	2.79	32
TD4510-M-24	24	12~27.6	1.44	0.06	5000	6.2	0.17	0.099	2.51	27
TD4510-L-24	24	12~28	1.2	0.05	4000	4.8	0.14	0.059	1.50	22

Related Product Information

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

- Metal Fan Guard: TWG-45

Related Technical Information

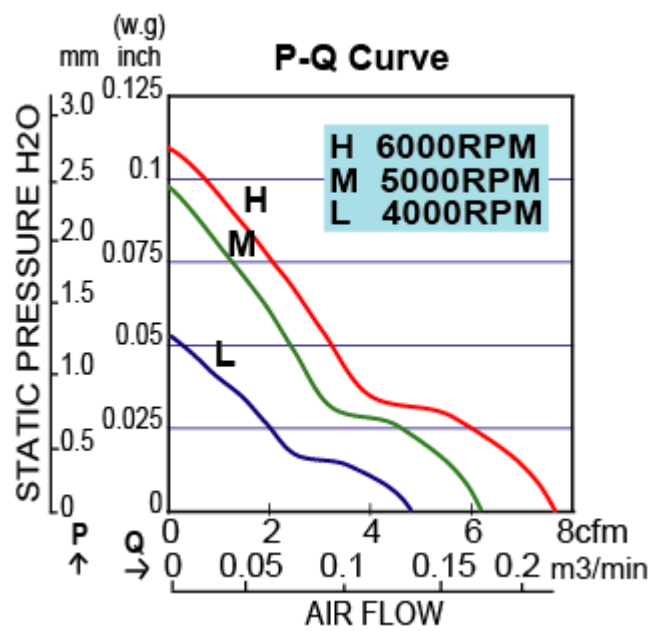
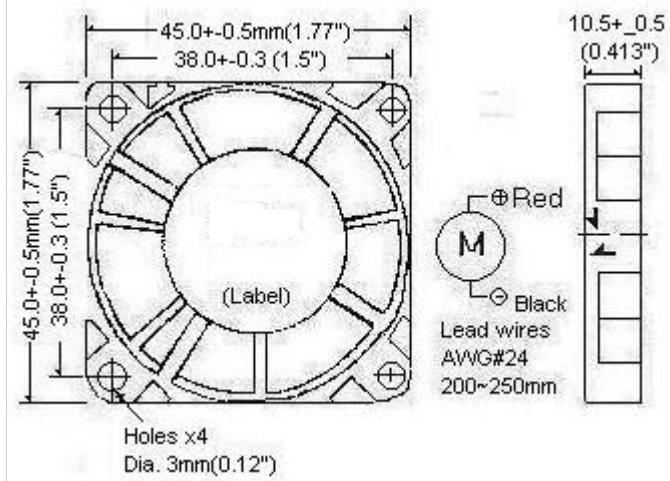
-Optional Function Leads:

- *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%