

**TD1225**

**General specification**



- Motor: Brushless DC, auto cutoff, auto restart, locking and polarity protected motor
- 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~+55C
- Storage Temp:
- Life Expectancy: Ball bearings 60,000 hours at 35C, 50,000 hours at 55C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire or Terminal
- Weight: 160 g (0.353 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	
TD1225-H-12	12	8~13.8	5.4	0.45	2900	86	2.44	0.24	6.10	42
TD1225-M-12	12	8~13.8	4.0	0.35	2500	70	1.98	0.19	4.83	35
TD1225-L-12	12	8~14	2.5	0.20	2000	45	1.27	0.15	3.81	25
TD1225-H-24	24	14~26	5.5	0.23	2900	86	2.44	0.24	6.10	42
TD1225-M-24	24	14~26	4.1	0.17	2500	70	1.98	0.19	4.83	35
TD1225-L-24	24	14~27.6	2.4	0.10	2000	45	1.27	0.15	3.81	25
TD1225-H-48	48	22~55	4.5	0.09	2900	86	2.44	0.24	6.10	42
TD1225-M-48	48	22~55	3.5	0.07	2500	70	1.98	0.19	4.83	35
TD1225-L-48	48	22~56	2.9	0.06	2000	45	1.27	0.15	3.81	25

**Related Product Information**

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

- Metal Fan Guard: TWG-120
- Plastic Fan Guard: TPG-120
- Plastic Fan Filter: TFK120-30, TFK120-45
- Metal Fan Screen: TMS-120

**Related Technical Information**

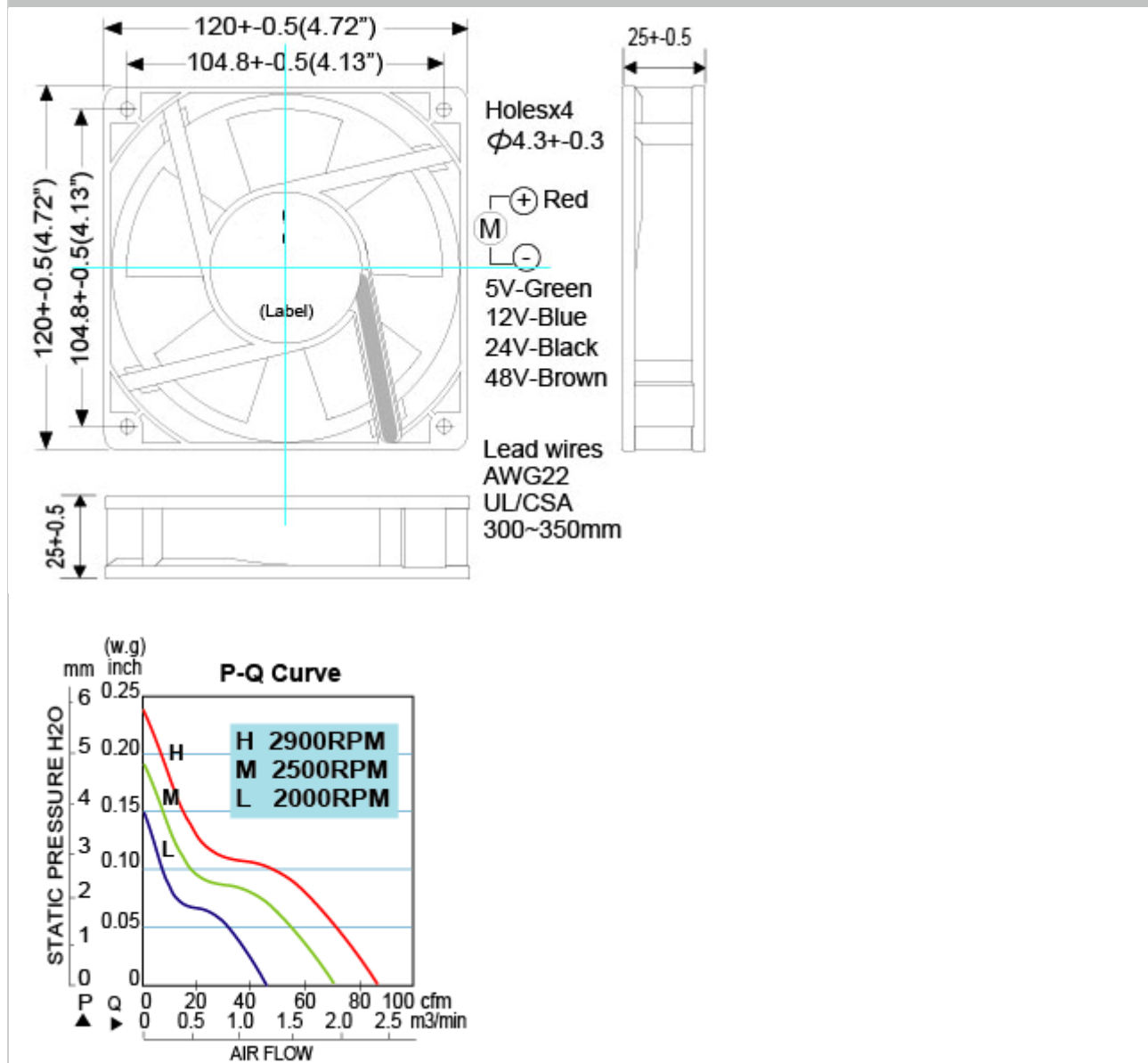
-Optional Function Leads:

- \*Alarm, motor stop, cutoff sensor signals (R/D, 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 (F/G, white lead)

\*Speed control:

- NTC thermister thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H,orange lead)
- PWM, Pulse Width Modulation, microprocessor programmable CPU speed control,10~100%, full stop & 10 speed stages; 800~3800RPM (P, purple lead)
- 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%