



**280x280x88.9mm/11x3.5 inch, 1200~780CFM**

**TD8990 General specification**



- Motor: Programmable microprocessor brushless DC, locked rotor/polarity protected
- Motor Protection:
- Frame: Aluminum die cast, natural color treatment Option: Black color cosmetics
- Impeller: Glass fiber reinforced thermoplastic impeller, rated UL94V-0
- Bearing: Two high precision permanently lubricated ball bearings
- Rotation: CCW looking at rotor impeller, air inlet from rotor, air outlet from struts
- Operating Temp: Ambient non-condensing allowable thermal range -15~+65C
- Storage Temp:
- Life Expectancy: Indoor free air running test MTBF 85K hours at 35C, 40K hours at 60C
- Dielectric Strength: 500 VAC/sec., Max leakage 0.5mA
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 2,800g (6.2 Lbs)

Pending

Model	Rated Voltage	Voltage Range	Input Power	Rated Current	Ref. Speed	Max Airflow	Max Pressure	Noise
	VDC	VDC	W	A	RPM	CFM	Inch/H2O	mm
TD8990-H-12	12	9~13.5	125~135	10.4~11.3	2500	1150	0.90	22.86
TD8990-M-12	12	9~13.5	80~90	6.7~7.5	2200	950	0.65	16.51
TD8990-L-12	12	9~13.5	52~62	4.3~5.2	1800	780	0.51	12.95
TD8990-H-24	24	18~27.6	125~135	5.2~5.6	2550	1200	0.90	22.86
TD8990-M-24	24	18~27.6	80~90	3.3~3.8	2200	950	0.65	16.51
TD8990-L-24	24	18~27.6	52~62	2.2~2.6	1800	780	0.55	13.97
TD8990-H-48	48	24~55	125~135	2.6~2.8	2550	1200	0.90	22.86
TD8990-M-48	48	24~55	80~90	1.7~1.9	2200	950	0.65	16.51
TD8990-L-48	48	24~55	52~62	1.1~1.3	1800	780	0.55	13.97

Related Product Information

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

- Metal Fan Guard: TWG-280

Related Technical Information

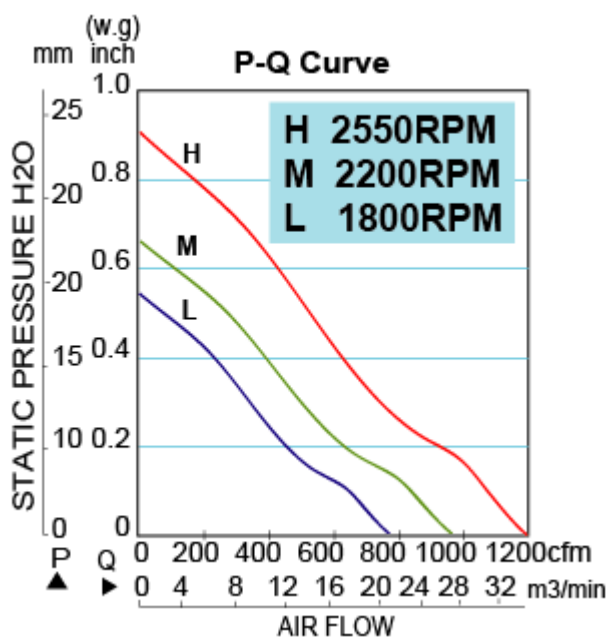
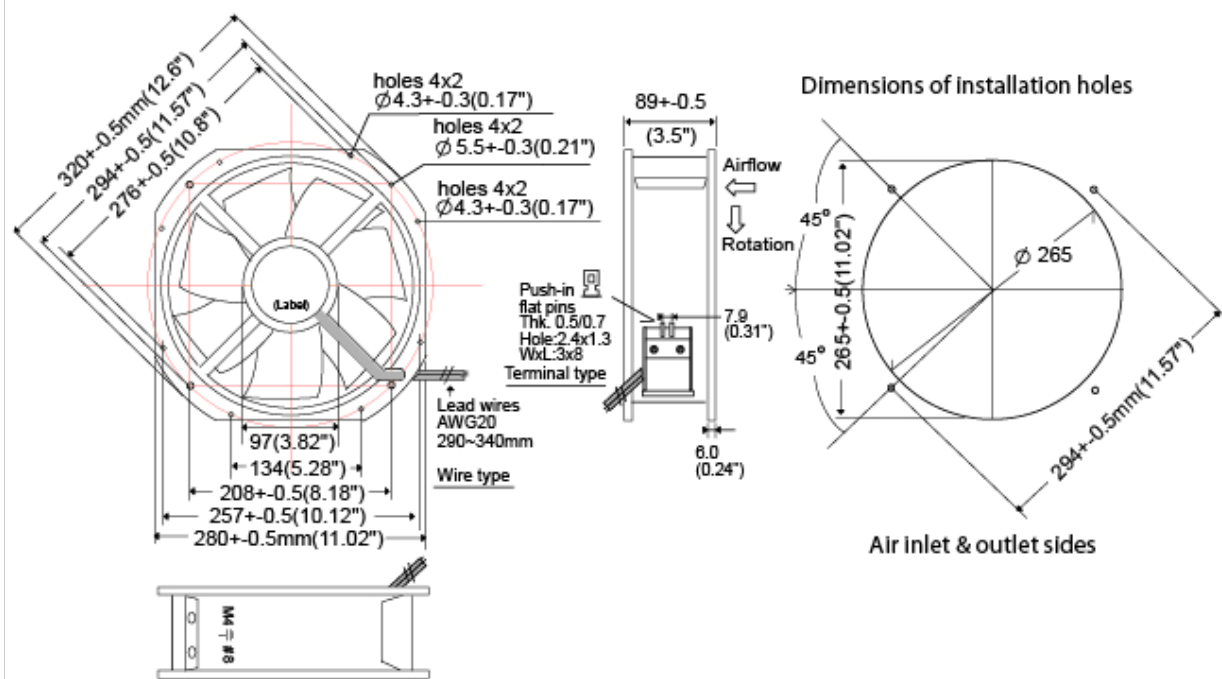
-Optional Function Leads:

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