



280x280x88.9mm/11x3.5inch(Metal 7 Blades) , 1200~780 CFM

TD8990M General specification



- Motor: Microprocessor brushless DC Motor, auto cutoff & restart
- Motor Protection: Electronically protected, polarity protected
- Frame: Aluminum die-cast, natural color
- Impeller: Metal 7 blades
- Bearing: Two ball bearings
- Rotation: CCW view from label side
- Operating Temp: -20C~+65C (non-condensing)
- Storage Temp: -40C~+80C (at 65%RH)
- Life Expectancy: 50,000 hours at 50C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro Amp.
- Connection: Wire leads or terminal type
- Weight: 2,950g (6.5 Lbs)
- UL File # E195890



Pending

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
TD8990M-H-12	12	9~13.5	125~135	10.4~11.3	2500	1150	32.56	0.90	22.86	70
TD8990M-M-12	12	9~13.5	80~90	6.7~7.5	2200	950	26.90	0.65	16.51	56
TD8990M-L-12	12	9~13.5	52~62	4.3~5.2	1800	780	22.09	0.51	12.95	48
TD8990M-H-24	24	18~27.6	125~135	5.2~5.6	2550	1200	33.98	0.90	22.86	72
TD8990M-M-24	24	18~27.6	80~90	3.3~3.8	2200	950	26.90	0.65	16.51	56
TD8990M-L-24	24	18~27.6	52~62	2.2~2.6	1800	780	22.09	0.55	13.97	48
TD8990M-H-48	48	24~55	125~135	2.6~2.8	2550	1200	33.98	0.90	22.86	72
TD8990M-M-48	48	24~58	80~90	1.7~1.9	2200	950	26.90	0.65	16.51	56
TD8990M-L-48	48	24~60	52~62	1.1~1.3	1800	780	22.09	0.51	12.95	48

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

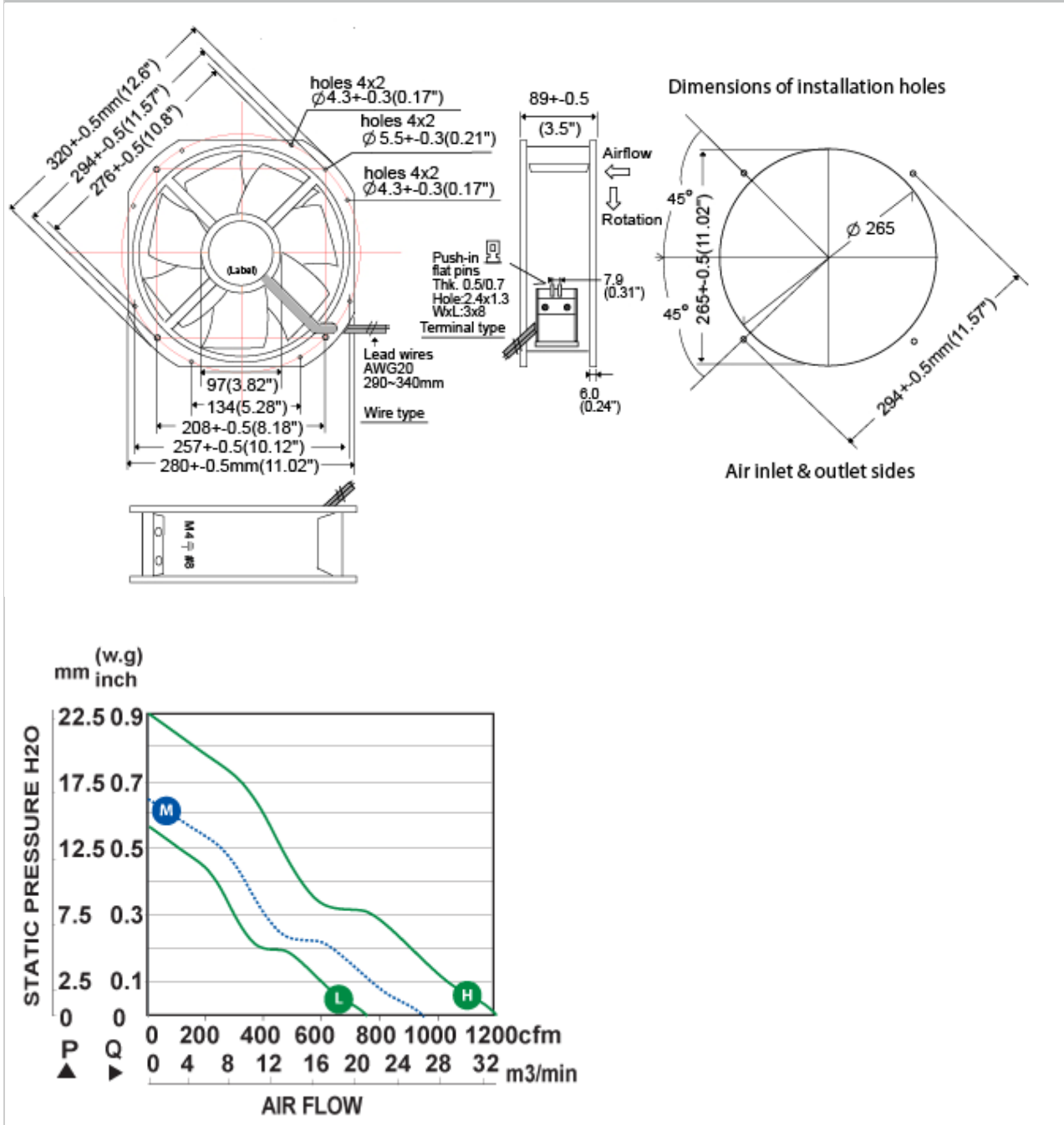
-Optional Function Leads:

- *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:

- NTC thermistor thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H, orange lead)
- 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%