30x30x10 mm/1.2x0.4 inch, 4.2~2.5 CFM

TD3010

General specification

-Motor: Brushless DC,impedance portected, auto cutoff auto restart optional only
-Motor Protection:
-Frame: Plastic, 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~+75C
-Storage Temp:
-Life Expectancy: Ball bearings 50,000 hours at 45C, 40,000 hours at 55C
-Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
-Connection: Wire or Terminal
-Weight: 8 g (0.018 Lbs)

Model	Rated Voltage	Voltage Range	Input Power	Rated Current	Ref. Speed	Max Airflow		Max Pressure		Noise	PQ Curves
	VDC	VDC	W	A	RPM	CFM	M3/Min	Inch/H2O	mm	dB	
TD3010-H-5	5	4~7	1.1	0.21	9000	4.2	0.11	0.18	4.57	28	
TD3010-M-5	5	4~7	0.9	0.18	8000	3.6	0.11	0.15	3.81	23	
TD3010-L-5	5	4~7	0.6	0.12	5500	2.5	0.06	0.10	2.54	19	
TD3010-H-12	12	8~13.8	1.44	0.12	9000	4.2	0.11	0.18	4.57	28	
TD3010-M-12	12	8~13.8	1.2	0.10	8000	3.6	0.11	0.15	3.81	23	
TD3010-L-12	12	8~13.8	0.84	0.07	5500	2.5	0.06	0.10	2.54	19	
TD3010-H-24	24	12~27.6	1.96	0.08	9000	4.2	0.11	0.18	4.57	28	
TD3010-M-24	24	12~27.6	1.68	0.07	8000	3.6	0.11	0.15	3.81	23	
TD3010-L-24	24	12~27.6	1.44	0.06	5500	2.5	0.06	0.10	2.54	19	

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:

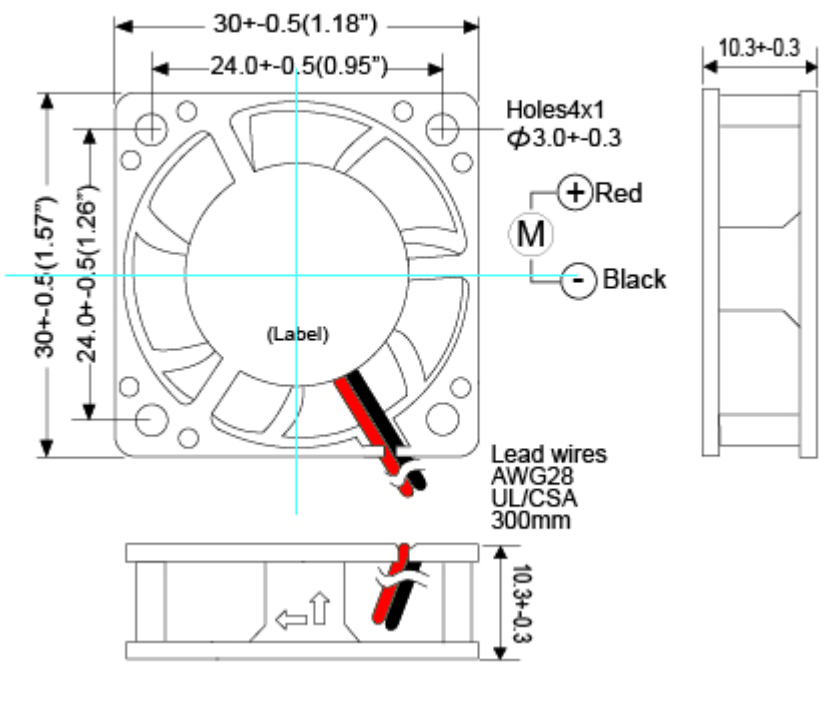
- H, NTC thermistor thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H,orange lead)
- P, Pulse Width Modulation, microprocessor programmable CPU speed control,10~100%,

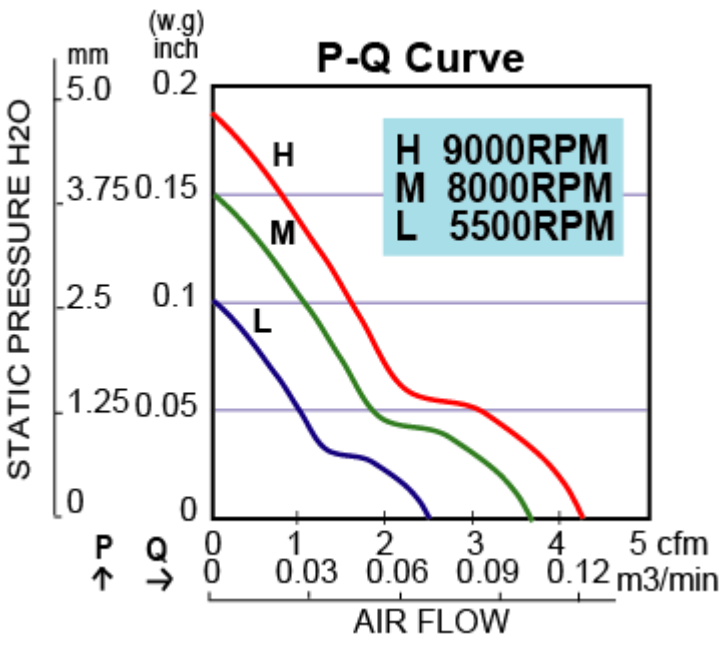
full stop & 10 speed stages; 800~3800RPM (P, purple lead)

- 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%

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