



Dia.172x51mm/6.8x2 inch, plastic case, 240~120 CFM

TD1751RPT General specification



- Motor: Programmable microprocessor brushless DC, locked & polarity protected
- Motor Protection:
- Frame: Plastic frame & case, glass fiber reinforced thermoplastic, rated UL94V-0
- Impeller: Glass fiber reinforced thermoplastic impeller, rated UL94V-0
- Bearing: Two high precision permanently lubricated ball bearings
- Rotation: CW looking at rotor, air inlet side of housing, air outlet from struts
- Operating Temp: Ambient non-condensing allowable thermal range -10~+55C
- Storage Temp:
- Life Expectancy: Indoor free air running test MTBF 80K hours at 35C, 40,000 hours at 55C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 690 g (1.5 Lbs)

Model	Rated Voltage VDC	Voltage Range VDC	Input Power W	Rated Current A	Ref. Speed RPM	Max Airflow CFM	M3/Min	Max Pressure Inch/H2O	mm	Noise dB
TD1751RPT-H-12	12	8~14	23	1.9	3300	240	6.80	0.86	21.84	55
TD1751RPT-M-12	12	8~14	13.2	1.1	2500	180	5.10	0.55	13.97	41
TD1751RPT-L-12	12	8~15	5.5	0.45	1800	120	3.40	0.35	8.89	31
TD1751RPT-H-24	24	15~27	24	0.97	3300	240	6.80	0.86	21.84	55
TD1751RPT-M-24	24	15~27	13	0.52	2500	180	5.10	0.55	13.97	41
TD1751RPT-L-24	24	16~27	5	0.20	1800	120	3.40	0.35	8.89	31
TD1751RPT-H-48	48	22~60	23.5	0.48	3300	240	6.80	0.86	21.84	55
TD1751RPT-M-48	48	22~60	14.5	0.30	2500	180	5.10	0.55	13.97	41
TD1751RPT-L-48	48	22~60	5.8	0.12	1800	120	3.40	0.35	8.89	31

Related Product Information

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

- Metal Fan Guard: TWG-172
- Plastic Fan Guard: TPG-172
- Plastic Fan Filter: TFK-172-30, TFK-172-45
- Metal Fan Screen: TMS-172

Related Technical Information

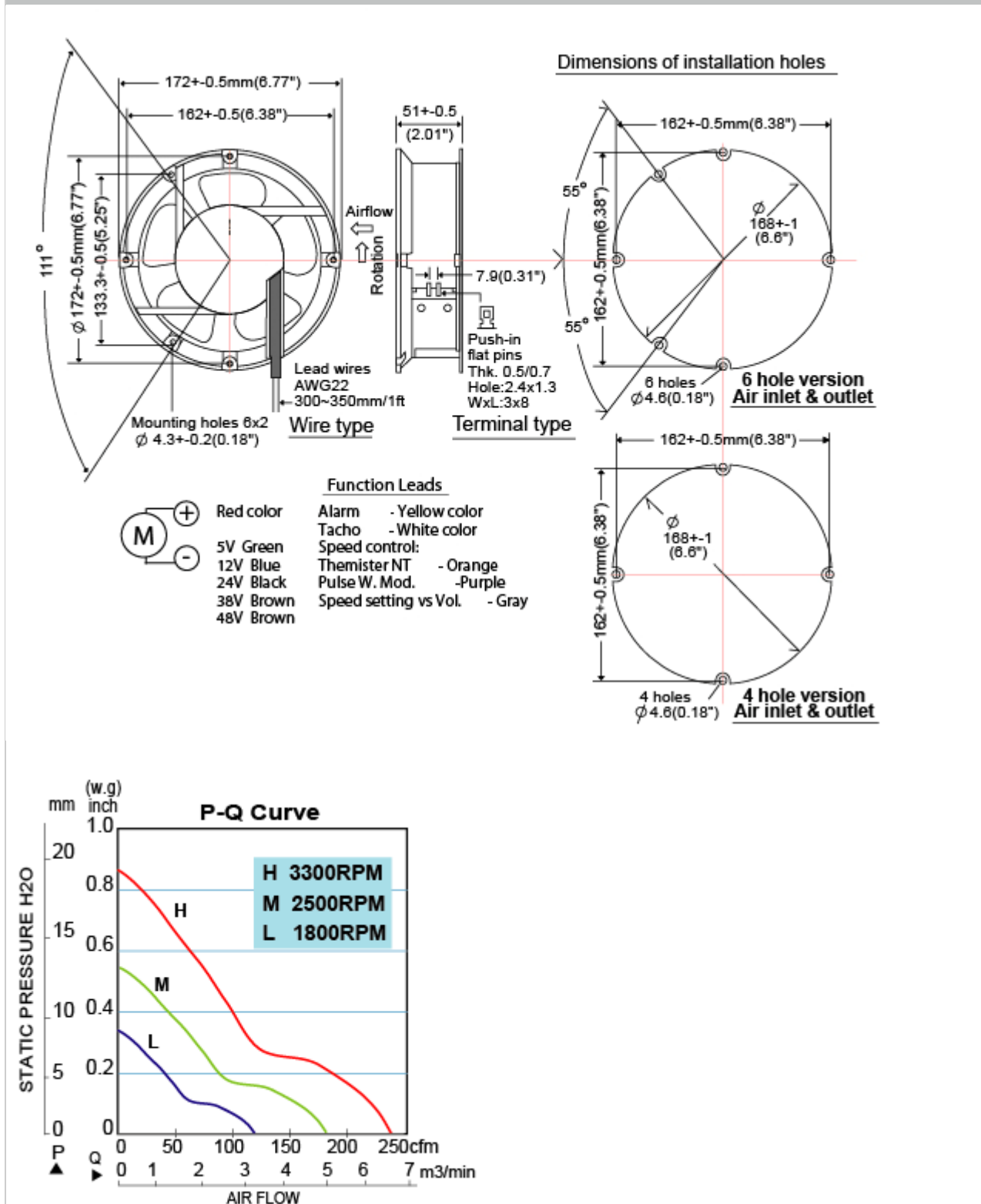
-Optional Function Leads:

- *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%