



Dia. 172x51 mm / 6.77x2 inch, 320~130 CFM

TD1751RAP General specification



- Motor: Programmable microprocessor brushless DC, locked rotor/polarity protected
- Motor Protection:
- Frame: Aluminum die-cast, black cosmetics. Option: Natural color treatment
- 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 -15~+65C
- Storage Temp:
- Life Expectancy: Indoor free air running test MTBF 90,000 hrs at 35C, 40,000 hrs at 60C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 850 g (1.87 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
TD1751RAP-HHH-12	12	8~13.8	64.8	5.4	4100	315	8.92	1.05	26.67	60
TD1751RAP-HH-12	12	8~13.8	50.4	4.2	3950	300	8.49	0.97	24.64	57
TD1751RAP-H-12	12	8~14	23	1.9	3300	230	6.51	0.78	19.81	52
TD1751RAP-M-12	12	8~14	13.2	1.1	2500	182	5.15	0.52	13.21	41
TD1751RAP-L-12	12	8~15	5.5	0.45	1800	130	3.68	0.36	9.14	34
TD1751RAP-HHH-24	24	15~27	63.6	2.65	4150	320	9.06	1.05	26.67	60
TD1751RAP-HH-24	24	15~27	50.4	2.1	3950	300	8.49	0.97	24.64	57
TD1751RAP-H-24	24	15~27.6	24	0.97	3300	235	6.65	0.78	19.81	52
TD1751RAP-M-24	24	17~27.6	13	0.52	2500	182	5.15	0.52	13.21	41
TD1751RAP-L-24	24	17~28	5	0.20	1800	130	3.68	0.36	9.14	34
TD1751RAP-HHH-48	48	22~53	62.4	1.3	4150	320	9.06	1.05	26.67	60
TD1751RAP-HH-48	48	22~53	49.4	1.03	3950	300	8.49	0.97	24.64	57
TD1751RAP-H-48	48	22~56	23.5	0.48	3300	230	6.51	0.78	19.81	52
TD1751RAP-M-48	48	24~61	14.5	0.30	2500	182	5.15	0.52	13.21	41
TD1751RAP-L-48	48	24~63	5.8	0.12	1800	130	3.68	0.36	9.14	34

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

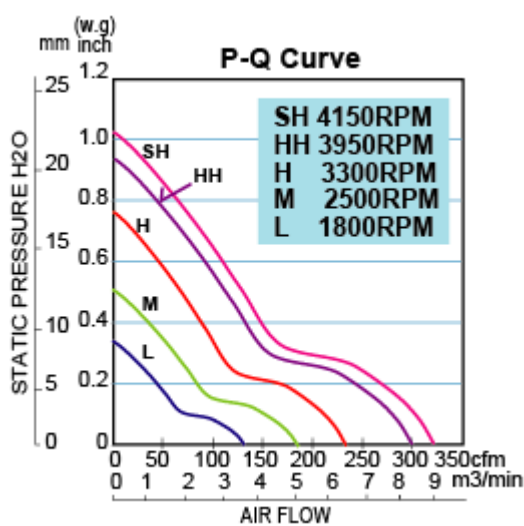
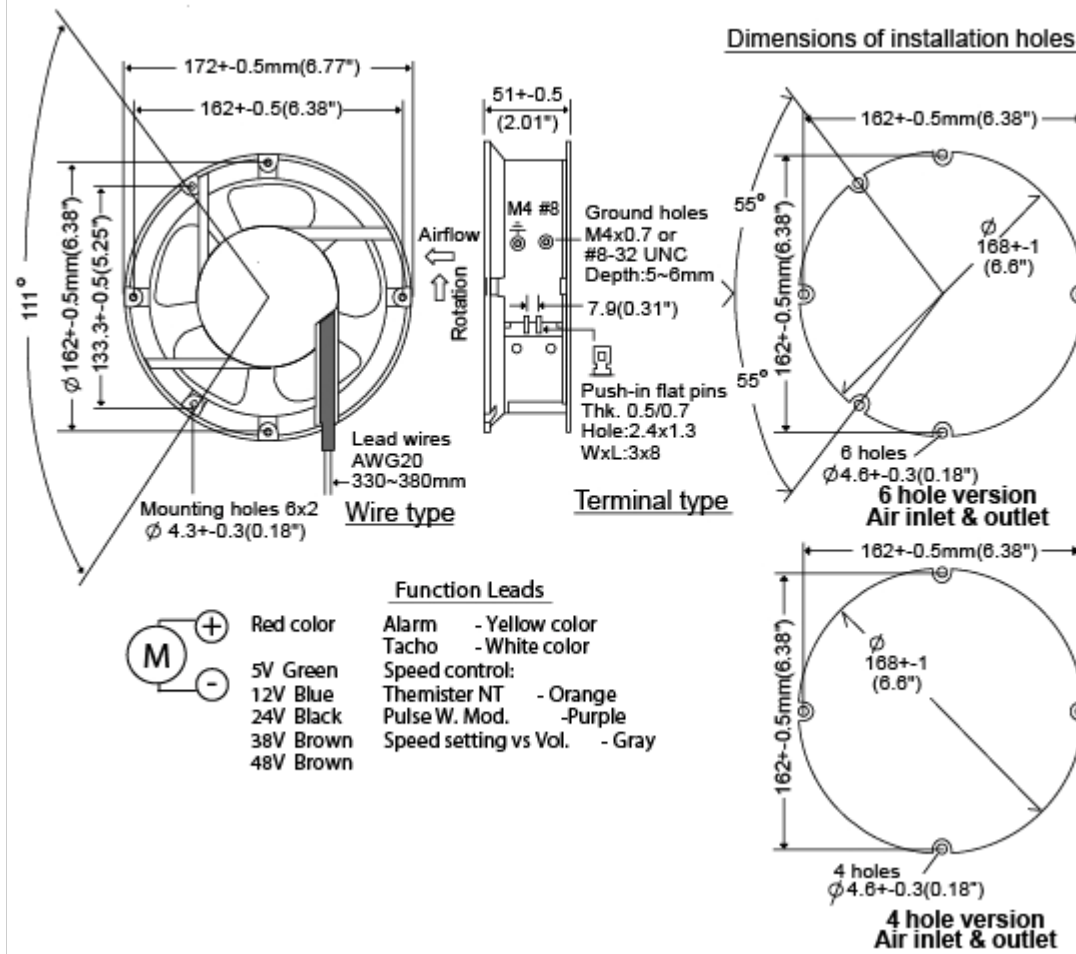
-Optional Function Leads:

- *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 thermister 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%