



172x150x55mm/5x2.17 inch , 300~150 CFM

**TD1755 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 100K hours at 35C, 50K hours at 60C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 1030 g (2.27 Lbs)

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	
TD1755-HHH-12	12	8~14	64.8	5.4	4100	295	8.35	0.92 23.37	60
TD1755-HH-12	12	8~14	50.4	4.2	3900	280	7.93	0.87 22.10	57
TD1755-H-12	12	8~14	23	1.9	3500	250	7.08	0.79 20.07	54
TD1755-M-12	12	9~14	13.2	1.1	2500	180	5.10	0.59 14.99	43
TD1755-L-12	12	9~15	5.5	0.45	1800	150	4.25	0.39 9.91	33
TD1755-HHH-24	24	15~27.6	63.6	2.65	4150	300	8.49	0.95 24.13	60
TD1755-HH-24	24	15~27.6	50.4	2.1	3900	280	7.93	0.87 22.10	57
TD1755-H-24	24	15~27.6	24	0.97	3500	250	7.08	0.79 20.07	54
TD1755-M-24	24	17~27.6	13	0.52	2500	180	5.10	0.59 14.99	43
TD1755-L-24	24	17~28	5	0.20	1800	150	4.25	0.39 9.91	33
TD1755-HHH-48	48	22~56	62.4	1.3	4150	300	8.49	0.95 24.13	60
TD1755-HH-48	48	22~56	49.4	1.03	3900	280	7.93	0.87 22.10	57
TD1755-H-48	48	22~60	23.5	0.48	3500	250	7.08	0.79 20.07	54
TD1755-M-48	48	24~63	14.5	0.30	2500	180	5.10	0.59 14.99	43
TD1755-L-48	48	24~63	5.8	0.12	1800	150	4.25	0.39 9.91	33

**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**

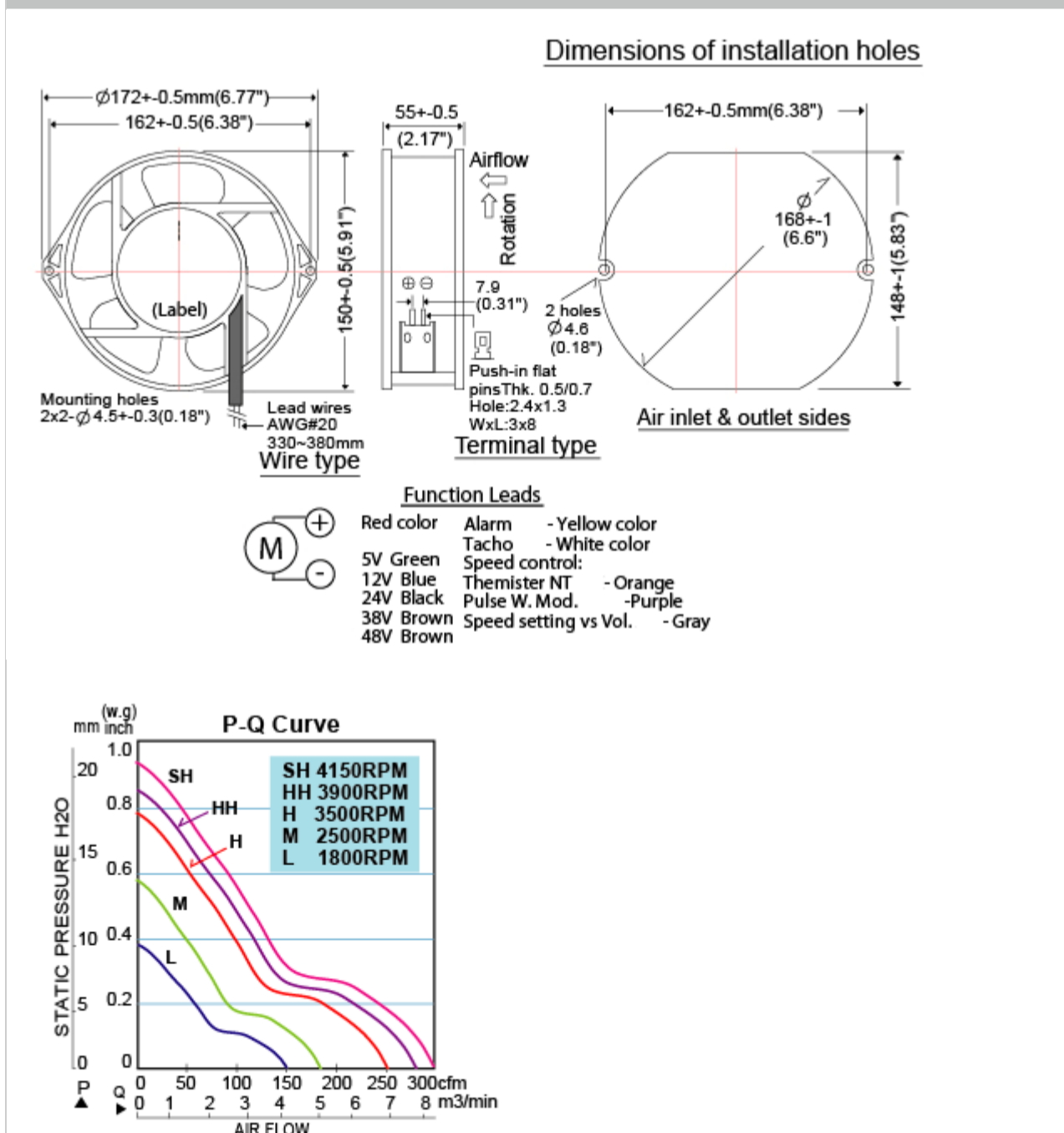
-Optional Function Leads:

- \*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%