



180x180x65mm/7X2.5 inch , 500~215 CFM

TD1865 General specification



- Motor: Programmable microprocessor brushless DC, locked rotor/polarity protected
- Motor Protection:
- Frame: Aluminum die-cast, black cosmetics Option: Natural color treatment (AN)
- 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 -20~+65C
- Storage Temp:
- Life Expectancy: Indoor free air running test MTBF 90K hours at 35C, 35K hours at 60C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 1450 g (3.2 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	
TD1865-HHH-12	12	9~13.8	64.8	5.4	3700	490	13.88	1.25 31.75	68
TD1865-HH-12	12	9~13.8	50.4	4.2	3400	460	13.03	1.10 27.94	63
TD1865-H-12	12	9~13.8	23	1.9	2800	375	10.62	0.7 17.78	53
TD1865-M-12	12	10~14	13.2	1.1	2200	300	8.49	0.58 14.73	46
TD1865-L-12	12	10~14	5.5	0.45	1500	215	6.09	0.42 10.67	36
TD1865-HHH-24	24	12~27.6	63.6	2.65	3800	500	14.16	1.3 33.02	69
TD1865-HH-24	24	12~27.6	50.4	2.1	3500	470	13.31	1.2 30.48	65
TD1865-H-24	24	12~27.6	24	0.97	2800	375	10.62	0.7 17.78	53
TD1865-M-24	24	12~28	13	0.52	2200	300	8.49	0.58 14.73	46
TD1865-L-24	24	15~28	5	0.20	1500	215	6.09	0.42 10.67	36
TD1865-HHH-48	48	24~55	62.4	1.3	3800	500	14.16	1.3 33.02	69
TD1865-HH-48	48	24~55	49.4	1.03	3500	470	13.31	1.2 30.48	65
TD1865-H-48	48	24~55	23.5	0.48	2800	375	10.62	0.7 17.78	53
TD1865-M-48	48	28~60	14.5	0.30	2200	300	8.49	0.58 14.73	46
TD1865-L-48	48	30~63	5.8	0.12	1500	215	6.09	0.42 10.67	36

Related Product Information

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

- Metal Fan Guard: TPG-180

Related Technical Information

-Optional Function Leads:

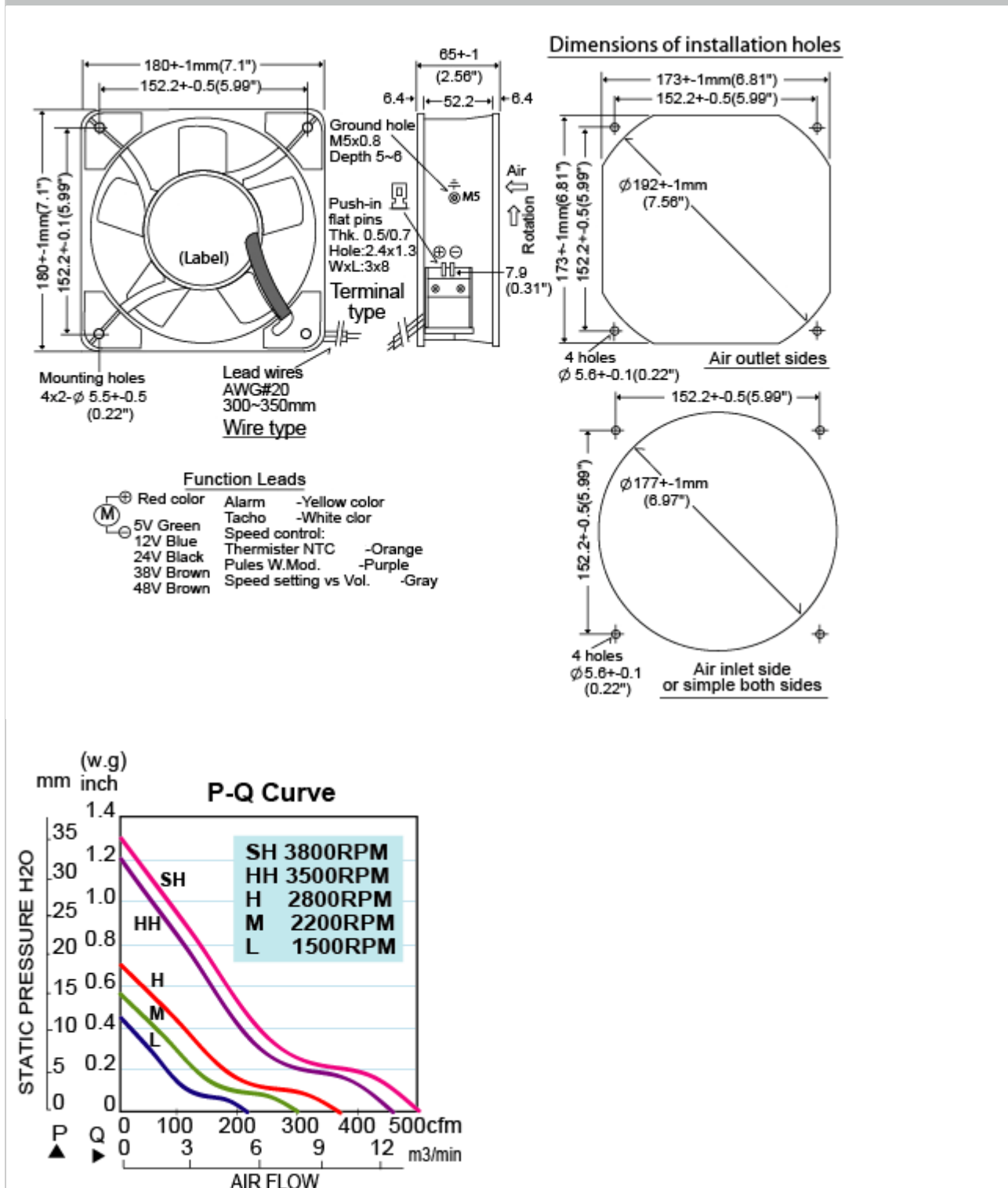
*Alarm, motor stop, cutoff sensor signals (L, run-Low, stop-High for alarm function, color yellow lead)

*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%