



180x180x65mm/7X2.5inch(Metal 5 Blades), 480~220 CFM

TD1865M General specification



- Motor: Microprocessor brushless DC Motor, auto cutoff & restart
- Motor Protection: Electronically protected, polarity protected
- Frame: Aluminum die-cast, black color
- Impeller: Metal 5 blades
- Bearing: Two ball bearings
- Rotation: CCW view from label side
- Operating Temp: -20C~+65C (non-condensing)
- Storage Temp: -40C~+80C (at 65%RH)
- Life Expectancy: 50,000 hours at 50C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro Amp.
- Connection: Wire leads or terminal type
- Weight: 1,400g (3.08 Lbs)
- UL File# E195890



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	dB
TD1865M-SH-12	12	9~13.8	64.8	5.4	3700	475	13.45	0.87	22.10	64
TD1865M-HH-12	12	9~13.8	50.4	4.2	3400	440	12.46	0.82	20.83	62
TD1865M-H-12	12	9~13.8	23	1.9	2800	360	10.19	0.72	18.29	58
TD1865M-M-12	12	10~14	13.2	1.1	2200	295	8.35	0.55	13.97	49
TD1865M-L-12	12	10~14	5.5	0.45	1600	220	6.23	0.38	9.65	38
TD1865M-SH-24	24	12~27.6	63.6	2.65	3800	480	13.59	0.88	22.35	66
TD1865M-HH-24	24	12~27.6	50.4	2.1	3500	445	12.60	0.82	20.83	62
TD1865M-H-24	24	12~27.6	24	0.97	2800	360	10.19	0.72	18.29	58
TD1865M-M-24	24	12~28	13	0.52	2200	295	8.35	0.55	13.97	49
TD1865M-L-24	24	15~28	5	0.20	1600	220	6.23	0.38	9.65	38
TD1865M-SH-48	48	24~53	62.4	1.3	3800	480	13.59	0.88	22.35	66
TD1865M-HH-48	48	24~53	49.4	1.03	3500	445	12.60	0.82	20.83	62
TD1865M-H-48	48	24~55	23.5	0.48	2800	360	10.19	0.72	18.29	58
TD1865M-M-48	48	28~58	14.5	0.30	2200	295	8.35	0.55	13.97	49
TD1865M-L-48	48	30~60	5.8	0.12	1600	220	6.23	0.38	9.65	38

Related Product Information

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

- Metal Fan Guard: TWG-180

Related Technical Information

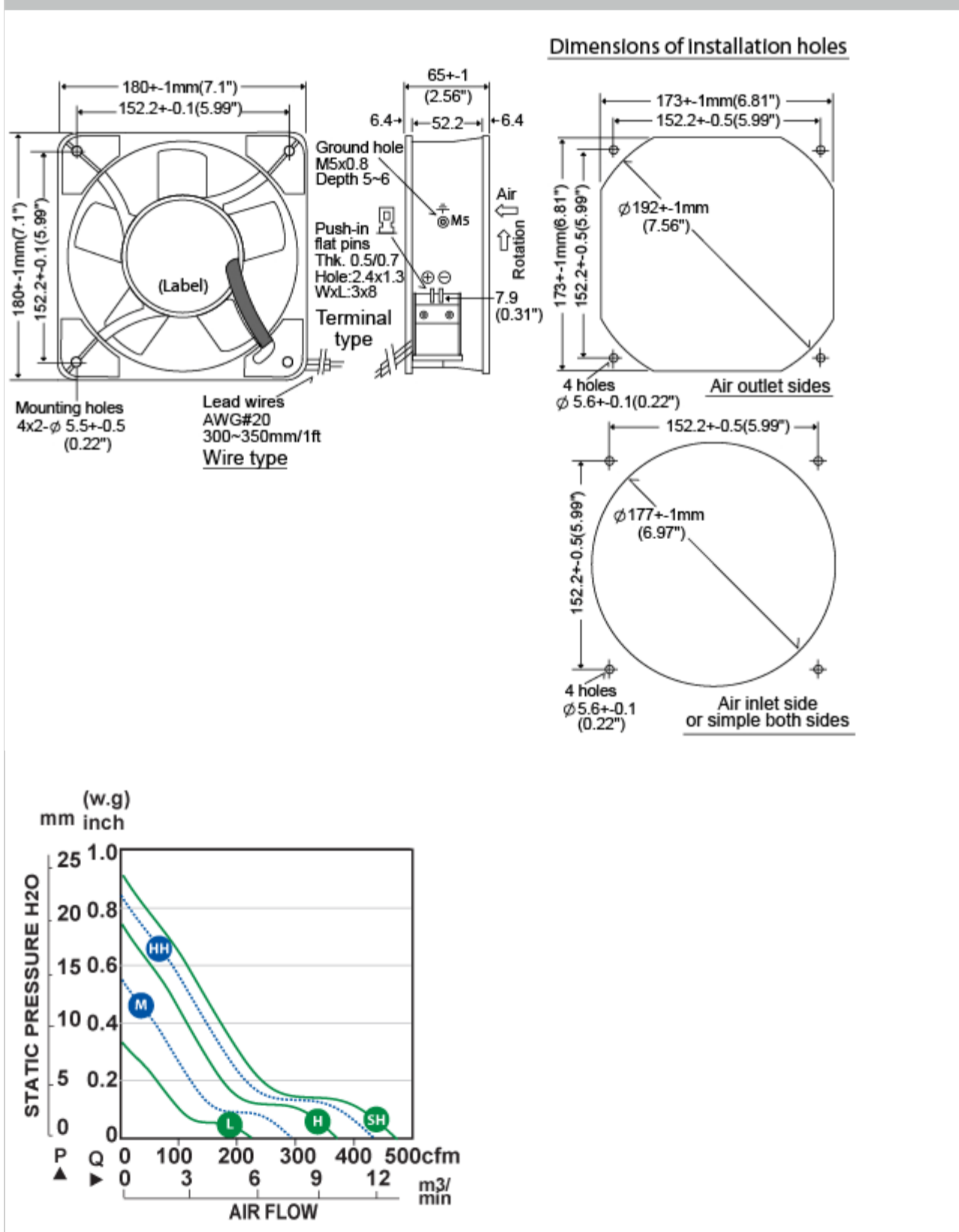
-Optional Function Leads:

- *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:

- NTC thermistor thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H, orange lead)
- PWM, Pulse Width Modulation, microprocessor programmable CPU speed control, 10~100%, full stop & 10 speed stages; 800~3800RPM (P, purple lead)
- 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%