



172x150x38.5mm/6x1.5inch(Metal 5 Blades), 270~130 CFM

TD1738M 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 or Terminal
- Weight: 640 g (1.4 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		
TD1738M-SH-12	12	7~13.8	64.8	5.4	4200	260	7.36	0.98	24.89	62
TD1738M-HH-12	12	7~13.8	50.4	4.2	4000	250	7.08	0.93	23.62	60
TD1738M-H-12	12	7~13.8	23	1.9	3800	230	6.51	0.90	22.86	57
TD1738M-M-12	12	7~13.8	13.2	1.1	3300	215	6.09	0.79	20.07	46
TD1738M-L-12	12	5.5	5.5	0.45	2000	130	3.68	0.5	12.70	39
TD1738M-SH-24	24	15~27.6	63.6	2.65	4300	270	7.65	1.03	26.16	62
TD1738M-HH-24	24	15~27.6	50.4	2.1	4100	255	7.22	0.94	23.88	60
TD1738M-H-24	24	15~27.6	24	0.97	3850	240	6.80	0.93	23.62	57
TD1738M-M-24	24	15~27.6	13	0.52	3300	215	6.09	0.79	20.07	46
TD1738M-L-24	24	15~28	5	0.20	2000	130	3.68	0.5	12.70	39
TD1738M-SH-48	48	22~53	62.4	1.3	4300	270	7.65	1.03	26.16	62
TD1738M-HH-48	48	22~53	49.4	1.03	4100	255	7.22	0.94	23.88	60
TD1738M-H-48	48	22~55	23.5	0.48	3850	240	6.80	0.93	23.62	57
TD1738M-M-48	48	22~58	14.5	0.30	3300	215	6.09	0.79	20.07	46
TD1738M-L-48	48	22~60	5.8	0.12	2000	130	3.68	0.5	12.70	39

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: TMG-172

Related Technical Information

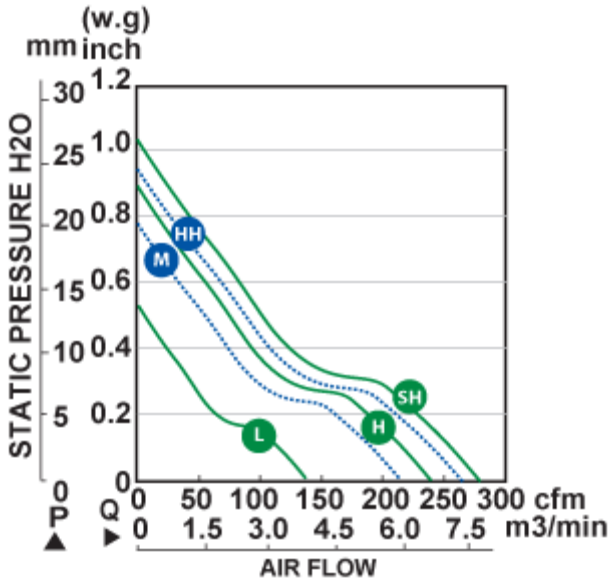
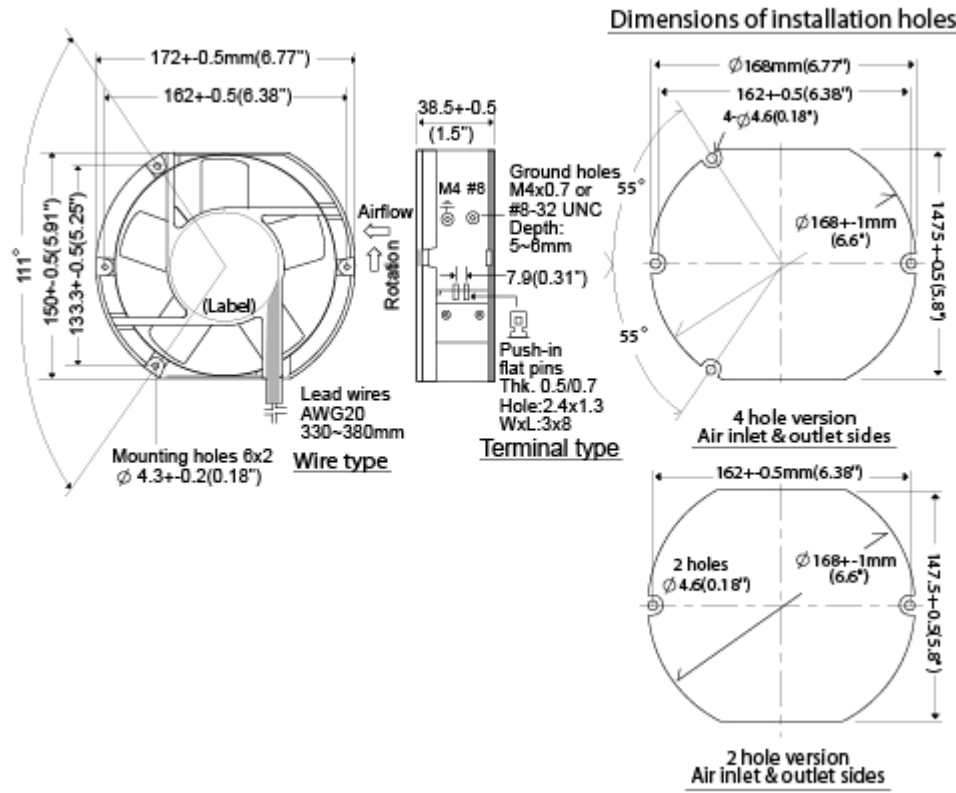
-Optional Function Leads:

- *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:

- NTC thermistor thermal control 1800~3400RPM/4.7~10K ohm vs 45~20C(H,orange lead)
- 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%