



176x176x89mm/7X3.5 inch , 495~230 CFM

TD17689 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 -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: 1500 g (3.3 Lbs)

Pending

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
TD17689-HHH-12	12	9~13.8	64.8	5.4	3600	485	13.73	0.89	22.61	65
TD17689-HH-12	12	9~13.8	50.4	4.2	3100	410	11.61	0.75	19.05	60
TD17689-H-12	12	9~13.8	23	1.9	2600	350	9.91	0.55	13.97	53
TD17689-M-12	12	10~14	13.2	1.1	2100	290	8.21	0.47	11.94	46
TD17689-L-12	12	10~14	5.5	0.45	1600	230	6.51	0.23	5.84	39
TD17689-HHH-24	24	12~27.6	63.6	2.65	3600	485	13.73	0.89	22.61	65
TD17689-HH-24	24	12~27.6	50.4	4.2	3150	420	11.89	0.76	19.30	61
TD17689-H-24	24	12~27.6	24	0.97	2600	350	9.91	0.55	13.97	53
TD17689-M-24	24	12~28	13	0.52	2100	290	8.21	0.47	11.94	46
TD17689-L-24	24	12~28	5	0.20	1600	230	6.51	0.23	5.84	39
TD17689-HHH-48	48	24~53	62.4	1.3	3600	485	13.73	0.89	22.61	65
TD17689-HH-48	48	24~53	49.4	1.03	3150	420	11.89	0.76	19.30	61
TD17689-H-48	48	24~55	23.5	0.48	2600	350	9.91	0.55	13.97	53
TD17689-M-48	48	28~58	14.5	0.30	2100	290	8.21	0.47	11.94	46
TD17689-L-48	48	30~62	5.8	0.12	1600	230	6.51	0.23	5.84	39

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:

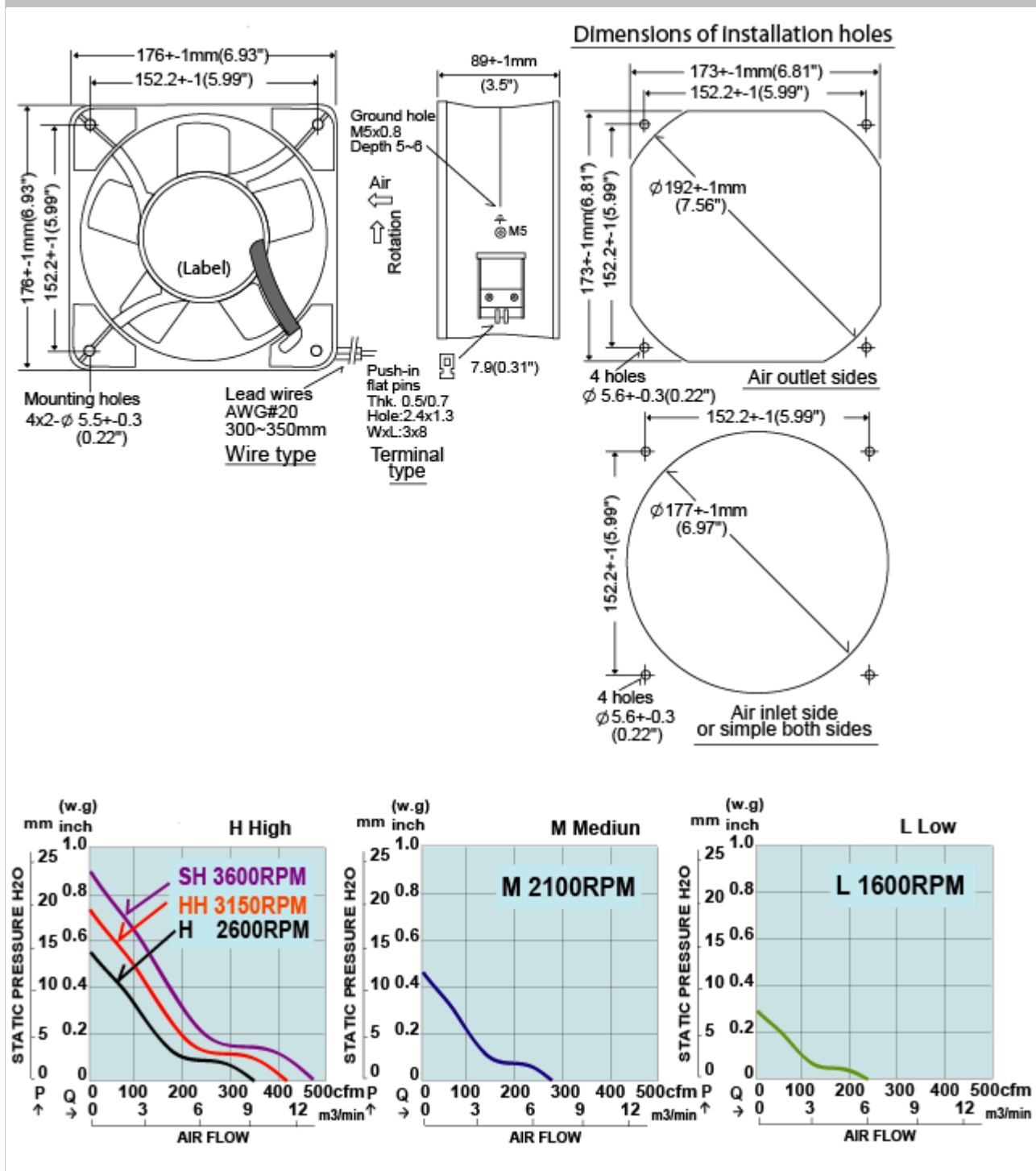
*Alarm, motor stop, cutoff sensor signals (L, run-Low, stop-High for alarm function, color yellow lead)

*Tach speed sensor output, open collector, 2 square waves per revolution, or TTL 4.4~5 VDC optional (T, white lead)

*Speed control:

- 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%