



Dia. 254x88.9mm/10x3.5 inch (3 blade), 850~350 CFM

TD8545R General specification



- Motor: Programmable microprocessor brushless DC, locked rotor/polarity protected
- Motor Protection:
- Frame: Aluminum die-cast, black color cosmetics
- Impeller: Glass fiber reinforced thermoplastic impeller, rated UL94V-0
- Bearing: Two high precision permanently lubricated ball bearings
- Rotation: CCW 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 90K hours at 35C, 40K hours at 60C
- Dielectric Strength: 500 VAC/sec., Max leakage 0.5mA
- Connection: Wire lead or Terminal flat pin connecting for choice
- Weight: 1,830 Gm (4 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		dB
TD8545R-HHH-12	12	9~13	64.8	5.4	2400	830	23.50	0.78	19.81	60
TD8545R-HH-12	12	9~13	50.4	4.2	2200	750	21.24	0.69	17.53	56
TD8545R-H-12	12	9~13	23	1.9	2000	690	19.54	0.58	14.73	47
TD8545R-M-12	12	9~14	13.2	1.1	1650	550	15.57	0.37	9.40	39
TD8545R-L-12	12	10~16	5.5	0.45	1000	350	9.91	0.25	6.35	28
TD8545R-HHH-24	24	16~27	63.6	2.65	2500	850	24.07	0.83	21.08	62
TD8545R-HH-24	24	16~27	50.4	2.1	2300	760	21.52	0.71	18.03	58
TD8545R-H-24	24	16~27	24	0.97	2000	690	19.54	0.58	14.73	47
TD8545R-M-24	24	16~27.6	13	0.52	1650	550	15.57	0.37	9.40	39
TD8545R-L-24	24	18~30	5	0.2	1000	350	9.91	0.25	6.35	28
TD8545R-HHH-48	48	24~53	62.4	1.3	2500	850	24.07	0.83	21.08	62
TD8545R-HH-48	48	24~53	49.4	1.03	2300	760	21.52	0.71	18.03	58
TD8545R-H-48	48	24~53	23.5	0.48	2000	690	19.54	0.58	14.73	49
TD8545R-M-48	48	24~56	14.5	0.3	1650	550	15.57	0.37	9.40	39
TD8545R-L-48	48	28~58	5.8	0.12	1000	350	9.91	0.25	6.35	28

Related Product Information

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

- Metal Fan Guard: TWG-254

Related Technical Information

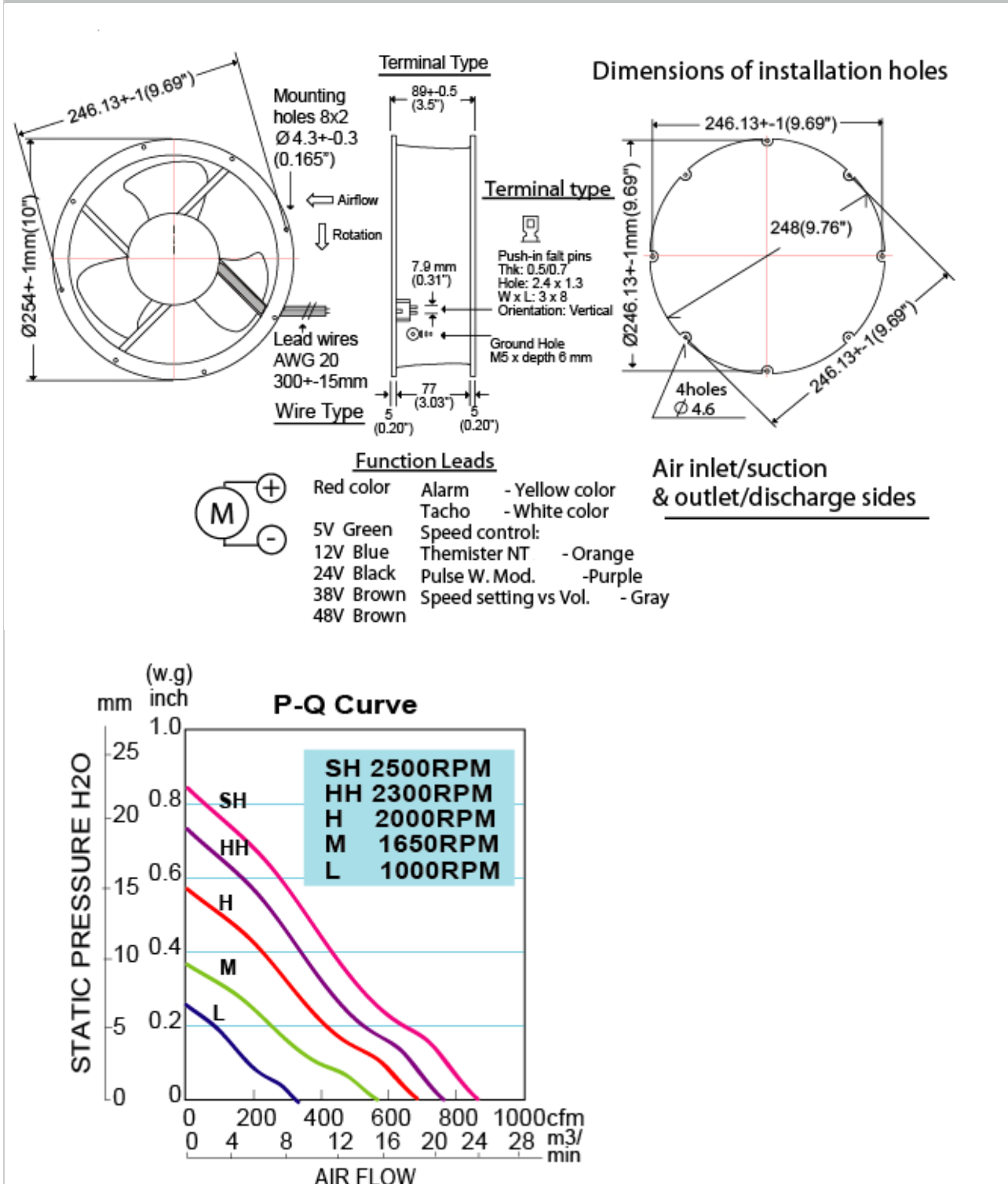
-Optional Function Leads:

- *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 thermister 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%