



Dia.120x41mm/4.7inch , 145~86CFM

TDK12041

General specification



- Motor: Brushless DC, auto cutoff, auto restart, locking and polarity protected motor
- Motor Case: Glass fiber reinforced PBT thermoplastic, UL94V-0
- Impeller: Glass fiber reinforced PBT thermoplastic, UL94V-0 impeller
- Rotation: CCW looking at of rotor, air inlet side of housing
- Bearing System: Double sealed high precision ball bearing
- Operating Temp: Ball bearings -20C ~ +70C
- L10 Life: Ball bearings 65,000 hours at 45C, 50,000 hours at 65C
- Dielectric Strength: 500 VAC/sec. Max leakage 500 micro amp
- Connection: Wire leads connecting AWG22, 350~380mm, stripped ends 3~5mm
- Net Weight: 250g (0.55Lbs)



Model	Rated Voltage	Voltage Range	Input Power	Rated Current	Referenced Speed	Max Airflow	Max Pressure	Noise
	VDC	VDC	W	A	RPM	CFM	Inch/H2O	dB
TDK12041-HHH-5	5	4~6	9.5	1.9	2900	128	0.39	43
TDK12041-HH-5	5	4~6	8	1.6	2600	113	0.35	40
TDK12041-H-5	5	4~6	3.5	0.65	2300	100	0.31	36
TDK12041-M-5	5	4~6	3	0.55	2000	90	0.27	32
TDK12041-L-5	5	4~6	2	0.4	1700	75	0.21	28
TDK12041-HHH-12	12	9~13.8	10.6	0.88	3100	138	0.4	45
TDK12041-HH-12	12	9~13.8	8.4	0.7	2800	122	0.37	42
TDK12041-H-12	12	9~13.8	6	0.5	2500	110	0.33	38
TDK12041-M-12	12	9~13.8	4.8	0.4	2200	96	0.29	34
TDK12041-L-12	12	9~13.8	2.4	0.2	1900	86	0.23	30
TDK12041-HHH-24	24	12~27.6	10.3	0.43	3200	145	0.43	46
TDK12041-HH-24	24	12~27.6	8.4	0.35	2900	128	0.39	43
TDK12041-H-24	24	12~27.6	5.5	0.23	2600	115	0.35	40
TDK12041-M-24	24	12~27.6	4.6	0.19	2200	96	0.29	34
TDK12041-L-24	24	12~27.6	3.6	0.15	1900	86	0.23	30
TDK12041-HHH-48	48	26~56	10.6	0.22	3200	128	0.39	43
TDK12041-HH-48	48	26~56	7.7	0.16	2900	128	0.39	43
TDK12041-H-48	48	26~56	5	0.1	2600	115	0.35	40
TDK12041-M-48	48	26~56	3.8	0.08	2200	96	0.29	34
TDK12041-L-48	48	26~56	3.4	0.07	1900	86	0.23	30

Related Technical Information

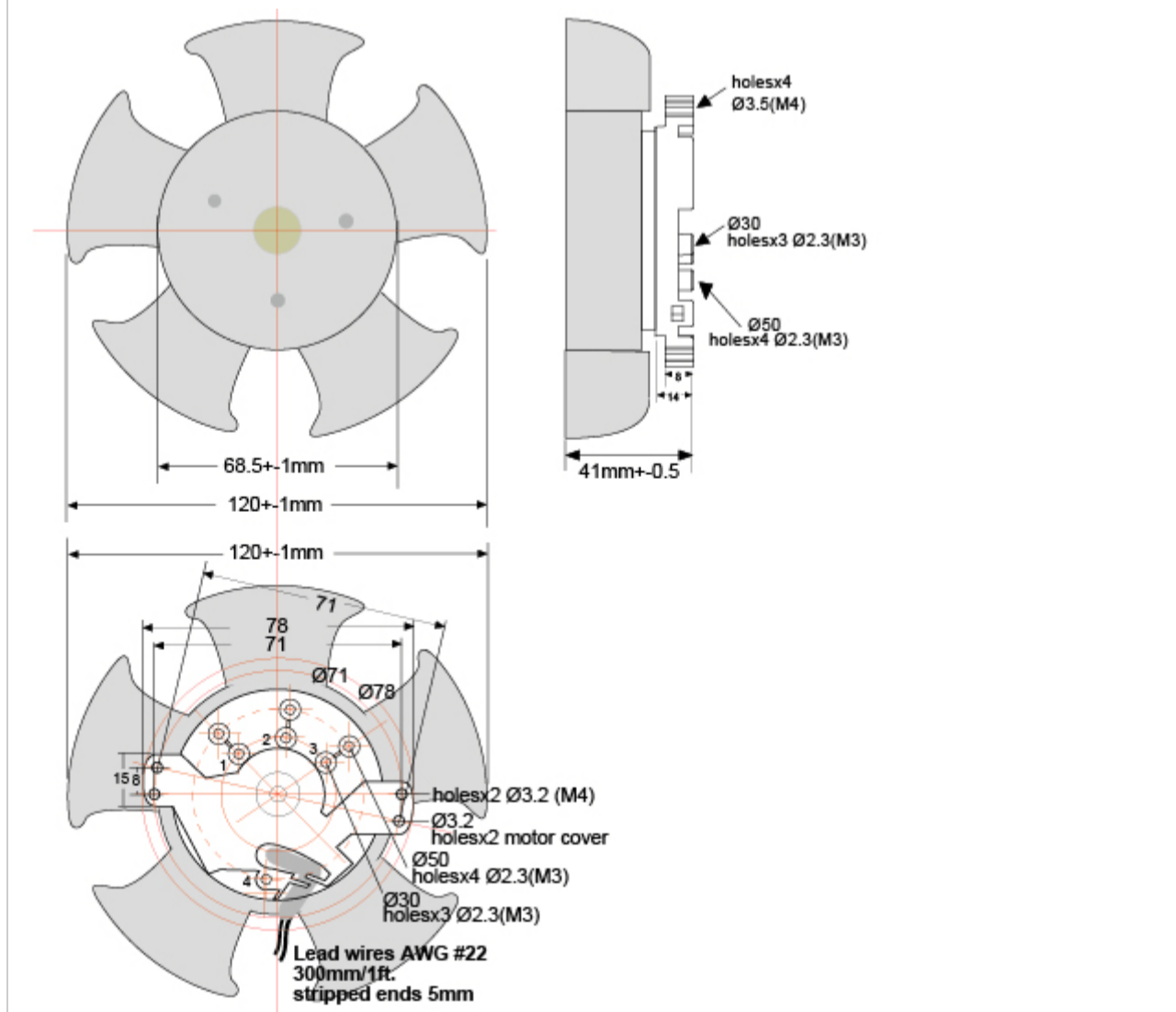
- *Alarm, motor stop, cutoff sensor signals (L, run-Low, stop-High for alarm function, color yellow lead)
- *Tach speed sensor output, open collector, 2 square waves per revolution, or TTL 4.4~5 VDC optional (T, white lead)

*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 Curve and Dimension

Dimensions: AxBxCxD: Dia.120x41mm/4.7inch



* TEI reserves the right to change data and specs without notice* Tests are at nominal voltage against zero static pressure* Specification subject to change without notice, data tolerance +-10%