SPECIFICATION

Article	DC Fan	Model	Phobya G-Silent 18 700rpm LED	Page		Object	Engineering Data

Product Type：	■ Environmental Protection □ Normal
Samples Requirement):	■ Engineering Samples
	□ Pre-production Sample)
	□ Production Sample
Safety Approval	□ UL E333094 ■ CE CTE10040004 □ FCC LBT1005C-181F
Motor Protection	□Polarity Protection)
	■ Auto Restart
Connection Lead Type	■ Connecto) □ Wire
Bearing Type	■ 1 Sleeve □ 1 Ball and 1 Sleeve □ 2 Balls
Material Type	□ PBT(94-V0) □ PBT(94-HB) ■ PC

Specification:

Item	**Specification/Conditions**	
Measurement	180*180*25	*mm*
Rated Voltage	12	*DCV*
Operating Voltage	10.8-13.2	*DCV*
Rated Current	0.15±0.02	*Amp*
Max. Current	Max 0.25	*Amp (label's current value)*
Input Power	1.32	*Watts*
Maximum rated speed	700	*RPM±10% (after running3~5minutes)*
Noise Level	≤25	*dB(A)*
Air Flow	60	*CFM*
Life Expectancy	30000	*Hours (at 25℃ 65%R.H.)*
Operating Temperature	-10~+70	*℃(65%RH)*
Storage Temperature	-40~+70	*℃(65%RH)*

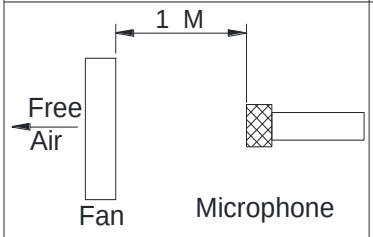
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No	MAJOR COMPONENTS	MATERIAL OR TYPE
1	FAN HOUSING	PC
2	FAN BLADE	PC
3	INSULATOR FRAME	PBT – V0
4	SHAFT	STAINLESS STEEL
5	BEARING	SLEEVE BEARING
6	PLASTIC MAGNET	STRONTIUM FERRITE
7	ENAMELED WIRE	1 UEW
8	SILICON STEEL STRIP	H 23
9	P.C.B	ONE SIDE PRINT PCB
10	HALL IC	211
11	LEAD WIRES	L-500mm
12	TERMINAL	2510-3

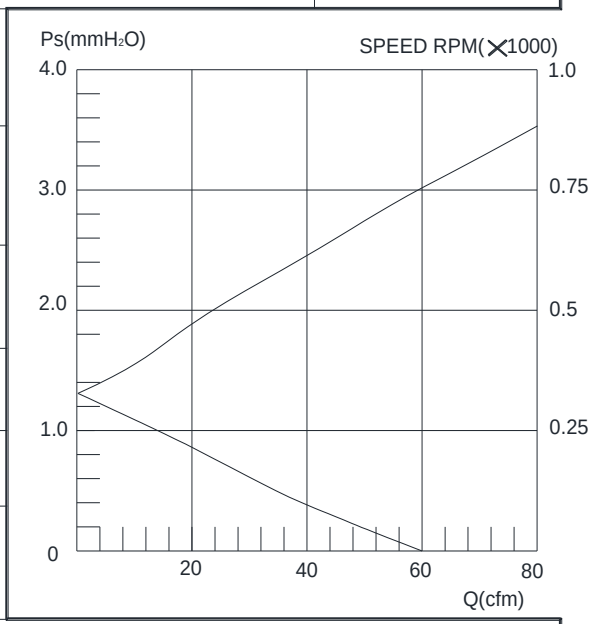
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Article	DC Fan	Model		Article Part No.	:	Page		Object	Special Character

	Exhibit	Condition	Result
Noise Test		Under the standard environmental conditions and rated condition, shall be measured in a sound isolated room of background noise 16dB(A) or less, in a distance of 1 M from intake side direction.	Max 25dB(A) characteristic average

LifeExpectancy	Basis of test	Ambient Temperature	Expectance
	MIL-HDBK -217D Test Standard	At 25¡ãC Relative Humidity45-85%	30000 Hours

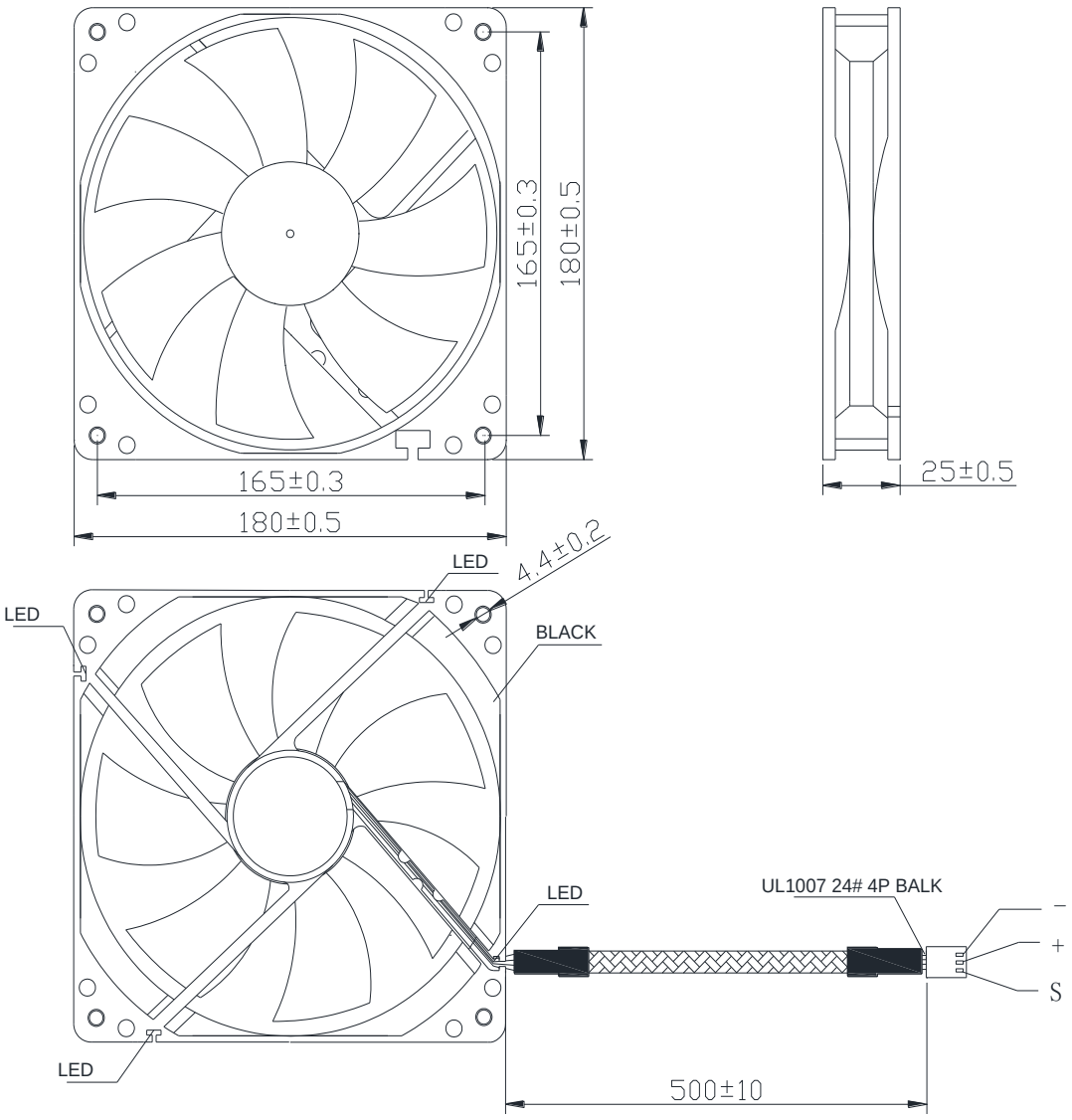
Air Flow-Air pressure Characteristic	Relative Condition	Item
	Air pressure =0	Air Flow=60cfm
	Air Flow=0	Air pressure =1.3mmH_2O
	Air Flow & Air pressure's Characteristic	As Performance Curves



Insulation Resistance	Can withstand 500 VDC between housing and both lead wires, The insulation resistance is at least 10MΩ .
Dielectric resistance	Can withstand 1500 VAC 1minute 5mA between housing and both lead wires.
Pound resistance	Can withstand the shock from all three axis by 60g and two times per 11mS.
Vibration resistance	Can withstand the vibration from 5-30Hz,0.04g to 30-500Hz,2g peak to peak amplitude for 5 minutes to all three axis.
Lock Test	Locked for at least12hrs at rated voltage,the fans run normally after lock released.
Reversal Voltage Test	Test with reversal working voltage for 2~3minutes, all remain still, but all fans run normally after corrected voltage.

SPECIFICATION

Article	DcFan	Model		Article Part No.		Page		Object	Drawing



HOUSING/ BLADE	18025
UNTTS	MM
DRAWN	ping.liao
DRAW DANTE	2018.08.30

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No	Notes
1	We, Gelid Solutions Ltd. will not guarantee the products if the application of our products exceeds the limitation which is specified on this specification.
2	In case of changes of the specification on this document. A written notice is requested in advance.
3	Please do not touch the impeller with the pressure and never bring the fan with lead wire. The Bearing and lend wire may be damaged.
4	No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect.
5	If there is any data or related documentation different from this data sheet. This data sheet is the principle reference.
6	Please do not use the fan in the environment of corrosive gas or liquid or any detrimental gas.
7	Please do not store the fan in the environment of high/low temperature, high humidity or detrimental gas. Please store within six months. For every six months, there shall be a leakage of electric current to the fan, even though the fan is stored in room temperature.
8	While the fan is in operation, please do not lock the fan intentionally for a long period of time. Since the continuous stoppage will result in overheat and thus burnt out the fan.
9	During the installation of the fan, please pay substantial attention to possible notice caused by resonance vibration and shock.
10	It is very important to notify that avoid dropping from 60 cm height when in any movement or operation. It will impact the balance of blade, especially ball bearing structure is avoided to drop down.
11	The torque of the screw which locked the frame should not exceed 4 Kgf.