

產品規格 / 承認書  
 PRODUCT SPECIFICATION / APPROVAL SHEET

A. 一般規格(General Specification)

項目(Item)		規格/條件(Specification / Condition)	
01	型號(Part No.)	FD128015LS (113Q)	
02	外型尺寸(Outline Dimension)	80 X 80 X 15 mm	
03	額定電壓(Rated Voltage)	DC 12.0 V	
04	操作電壓(Operating Voltage)	DC 7.0 V ~ DC 13.2 V	
05	起動電壓(Starting Voltage)	DC 7.0 V	
06	額定電流(Rated Current)	0.07 A	+ 10%
07	額定功率(Rated Power Consumption)	0.84 W	
08	轉速(Rotational Speed)	2100 R.P.M. ± 10%	
09	最大風量(Max. Airflow)	23.5 CFM (ft <sup>3</sup> /min)	
		0.665 m <sup>3</sup> /min	
10	最大靜壓 (Max. Static Pressure)	0.055 in-H <sub>2</sub> O	
		1.4 mm-H <sub>2</sub> O	
11	音量位準(Noise Level)	19.0 dB(A)	
12	壽命預估(Life Expectancy)	30000 hrs at 40°C	
13	極數(No. of Pole)	4 極(Poles)	
14	迴轉方向(Rotational Direction)	逆時針(Counter-Clockwise)	

B. 電氣規格(Electrical Specification)

項目(Item)		規格/條件(Specification / Condition)	
01	扇葉鎖住保護 (Locked Rotor Protection)	○	安規條件。(Safety Condition)
		○	1.額定電壓鎖住1秒,自動斷電。 (Auto power off after locked at rated voltage for 1 sec.) 2.自動斷電後,2至6秒自動嘗試啓動。 (After auto power off, circuit attempt to restart in 2 to 6 sec.)
02	極性保護 (Polarity Protection)	○	Vcc與GND反接時,不導通。 (Open circuit when Vcc & GND are exchanged)
		○	Vcc與GND反接時,5秒內迴路不燒燬(Circuit won't be burned within 5 seconds when Vcc & GND are exchanged)
03	絕緣阻抗 (Insulation Resistance)	10 MΩ/ 裸線與外框間測量, 500 VDC/min. (10 MΩ/ Between unshielded wire and frame at 500 VDC/min)	
04	絕緣耐壓 (Dielectric Strength)	5 mA Max. / 導線與外框間測量, 500 VAC/min. (5 mA Max. / Measured b/w lead wire (+) and frame at 500 VAC/min)	

C. 主要材料/零件規格(Main Materials / Parts Specification)

材料/零件(Materials / Parts)		規格(Specification)
01	塑膠材料/ 扇葉、外框、絕緣套 (Plastic Material/Blade, Housing, Bobbin)	a. UL 94V-0 b. P.B.T. + 30% GF Black
02	軸承(Bearing)	雙滾珠軸承(Two Ball Bearing)
03	導線(Lead Wire)- <b>G. P.</b>	Red ( + ), Black ( - ): UL 1007 \ 26 AWG
04	端子(Connector)	N / A

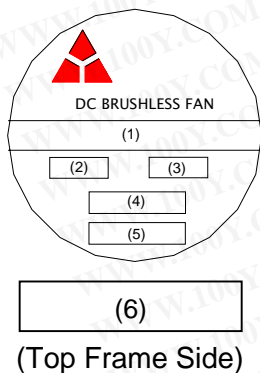
D. 安規規格(Safety Approvals)

安規(Safety)	UL	CUL	TUV
安規編號(File No.)	E187205	E187205	R50027591
安規承認電流 0.09 A + 10% ( Approved current is 0.09 A with tolerance of 10% )			

E. 環境測試(Environmental Specification)

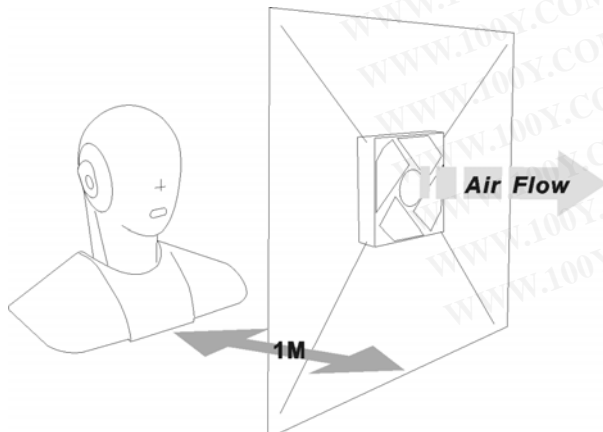
項目(Item)	規格/條件(Specification / Condition)
01 運轉溫/溼度範圍 (Operating Temp. Range)	溫度/ Temperature : -10 °C - 60 °C
	溼度/ Humidity : 15 % - 90 % RH ( Frost Eliminated)
02 保存溫/溼度範圍 (Storage Temp. Range)	溫度/ Temperature : -20 °C - 75 °C
	溼度/ Humidity : 15 % - 90 % RH ( Frost Eliminated)

F. 商標(Label Marking)



( 1 )	型號 (Model No.)
( 2 )	額定電壓 (Rated Voltage)
( 3 )	安規電流 (Safety Current)
( 4 )	安規 (Safety Approvals)
( 5 )	產地 (Location)
( 6 )	附碼 (Appendix Code)

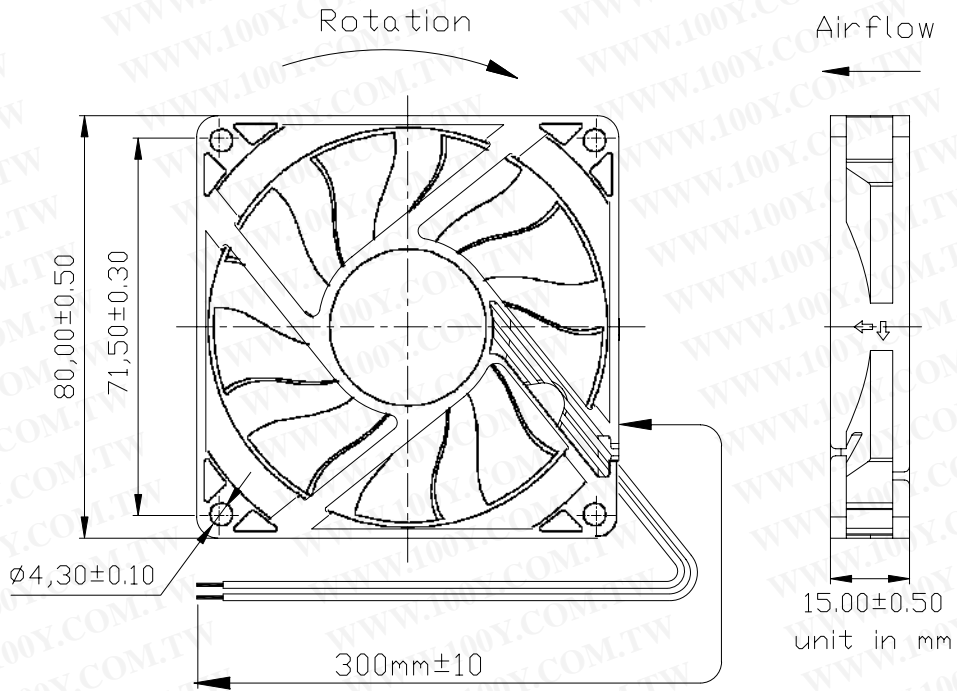
G. 噪音量測條件(Noise Measure Condition)



量測系統 ( Measurement Systems ) :
1.ANECHOIC Room Noise Measurement System.
2.Digital Head Measurement System, 16-bits version.
3.SQlab III, Mobile Multichannel Analysis System.
4.Specifications:ISO 3744, ISO 3745, ISO 7779, CNS 8753, JIS 8346
5.Background Noise: < 17dB(A)

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## H. 外觀尺寸圖(Outline Dimension)



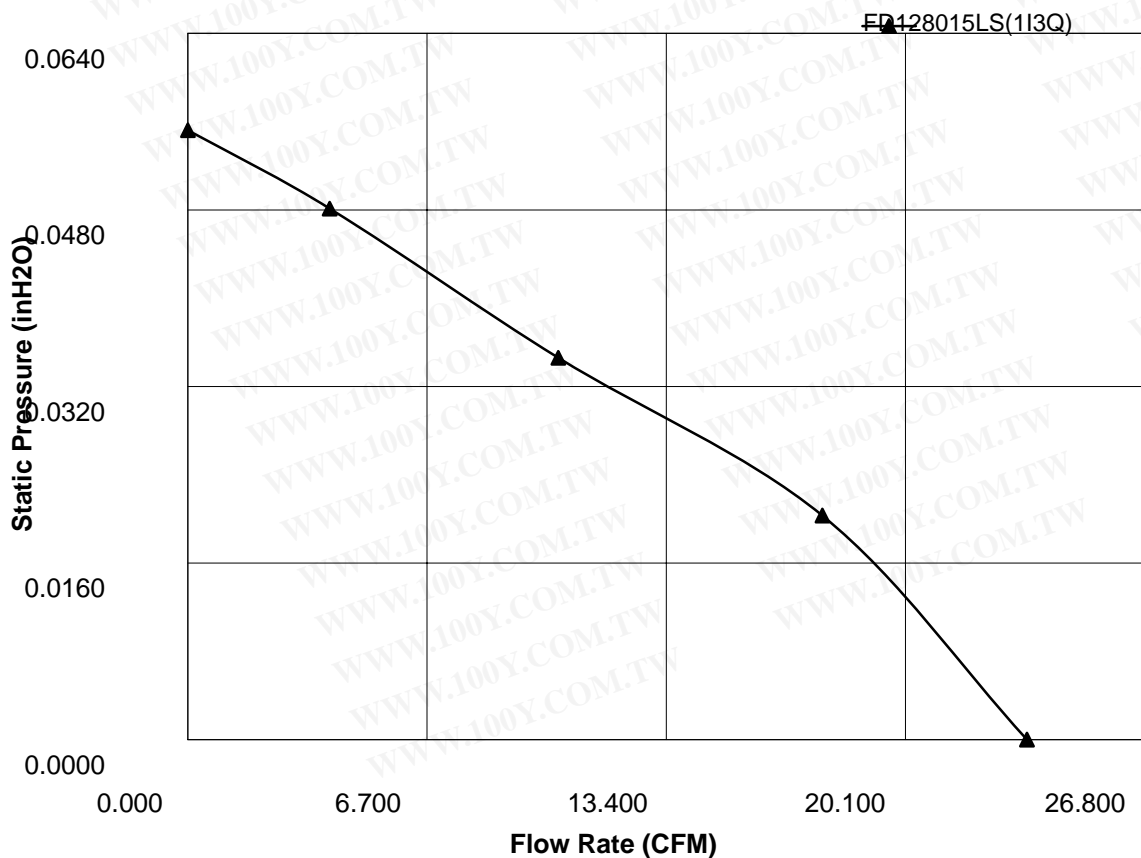
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## Fan Performance Test Report

Fan Model : FD128015LS(1I3Q)	Test Date : 2010/06/17
Key Point : FD128015LS(1I3Q)	Order No. : 8015-靜音版
Blade No. : 7	Test No. : YS
Motor Poles : 4	Method : Constant Voltage
Rating Voltage(V) : 12 VDC	Tunnel Setup : Inlet Chamber Type
Rating Current(A) : 0.07	Temperature(°C) : 25 R.H.(%) : 75
Rating Speed(rpm) : 2100	Barometric Pressure(mmHg) : 759.5
Test Voltage(V) : 12 VDC	Acoustic ( dB(A)/1M ):19.0dB(A)
Max. Flow rate(CFM) : 23.504	Mea. Distance(M): 1
Max. Flow rate(m <sup>3</sup> /min) : 0.665	Background Noise:17.0dB(A)
Max. Pressure(in-H <sub>2</sub> O) : 0.055	Vibration Level (mm/sec <sup>2</sup> ): N / A
Max. Pressure(mm-H <sub>2</sub> O) 1.402	Remark:

Curve	Pts	Flowrate		Static Pressure		Voltage	Current	Power	Speed
		CFM	m3/min	in-H <sub>2</sub> O	mm-H <sub>2</sub> O	V	A	W	rpm
1	1	23.504	0.6654	0.0000	0.000	12.00	0.0700	0.840	2160
	2	17.773	0.5032	0.0203	0.516	12.00	0.0700	0.840	2155
	3	10.380	0.2939	0.0346	0.879	12.00	0.0700	0.840	2104
	4	3.974	0.1125	0.0481	1.222	12.00	0.0700	0.840	2027
	5	0.000	0.0000	0.0552	1.402	12.00	0.0700	0.840	1975

Fan Performance Curve



Approver:	鄭瑞鴻	Checked:	覃南峰	Drawn:	張錦華
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