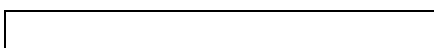


## 1. MECHANICAL:

1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0 (P.B.T).
1-04	Impeller	Plastic material UL 94V-0 (P.B.T).
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of three faces from 30cm distance height onto 10 mm thickness of wooden board.

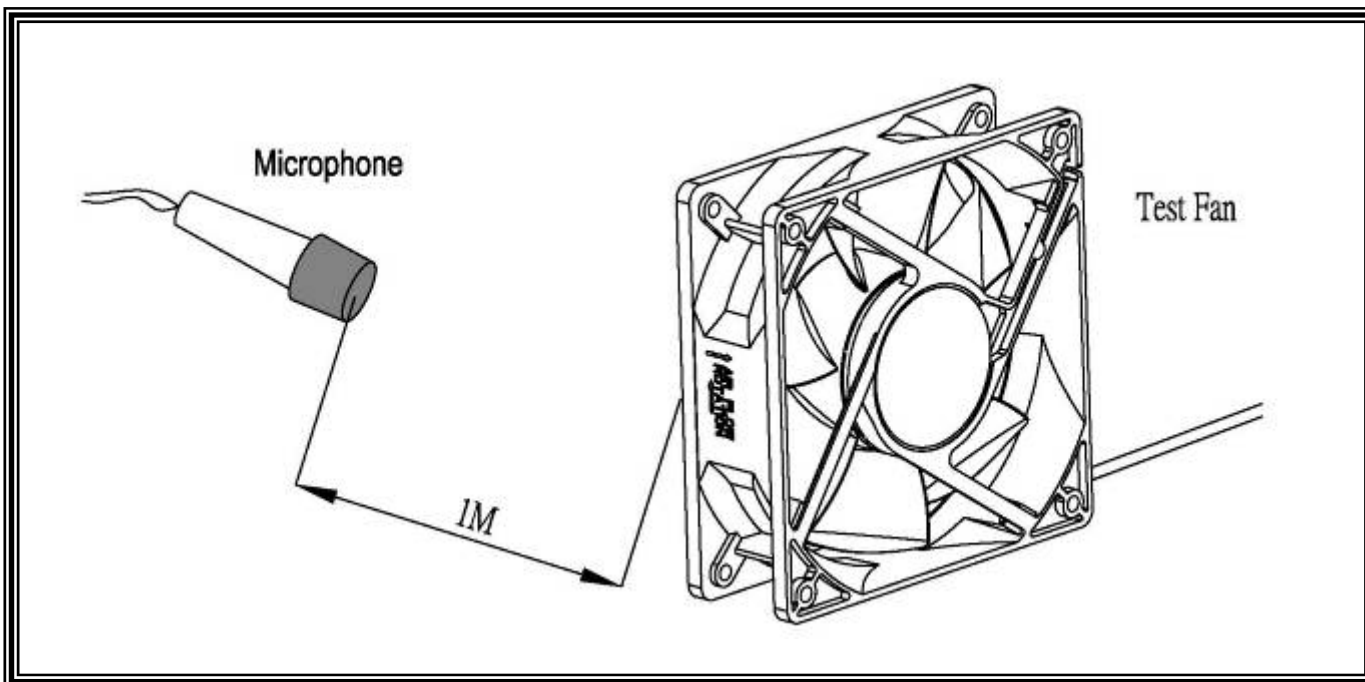
## 2.ELECTRICAL:

2-01	Rated current	Rated current shall be measured after 30 minutes continuous rotation at rated voltage.
2-02	Start voltage	The voltage that enable to start the fan by sudden switch on.
2-03	Rated Speed	Rated speed shall be measured after 30 minutes continuous rotation at rated voltage.
2-04	Input Power	Input power shall be measured after 30 minutes continuous rotation at rated voltage.
2-05	Lock Current	Locked current shall be measured Within one minute at rotor locked, after 30 minutes continuous rotation at rated voltage in clear air.
2-06	Insulation resistance	More than 10M ohm at 500 V.D.C between lead and housing.
2-07	Dielectric strength	Measured 5 mA(max) trip current at 700 V.A.C for 3 sec. between lead and housing.
2-08	Locked motor protection	Designed to meet UL, CUL and TUV.



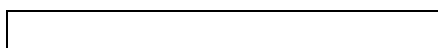
### 3.CHARACTERISTICS:

3-01	Air Flow & Static Pressure	The air flow data and static pressures should be determined in accordance with AMCA standard or DIM 24163 specification in a double- chamber testing with intake-side measurement.
3-02	Noise level	The measurement of noise level is carried out with reference to DIM 45635 in an echoic chamber with the microphone positioned 1 M from the air intake. Testing fan shall be hung in clean air.



### 4.ENVIRONMENTAL:

4-01	Operating temperature	-10°C to 70°C (ordinary humidity)
4-02	Storage Temperature	-40°C to 70°C (ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2°C per MIL-STD-202F method 103B, Humidity test , The measured data of insulation resistance & dielectric strength should meet the specification listed in attach.
4-04	Thermal Shock	After thermal shock test per MIL-STD-202F method 107D, Condition D, The measured data of insulation resistance & dielectric strength should the specification

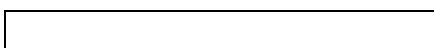


## 5.DATA-SHEET:

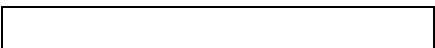
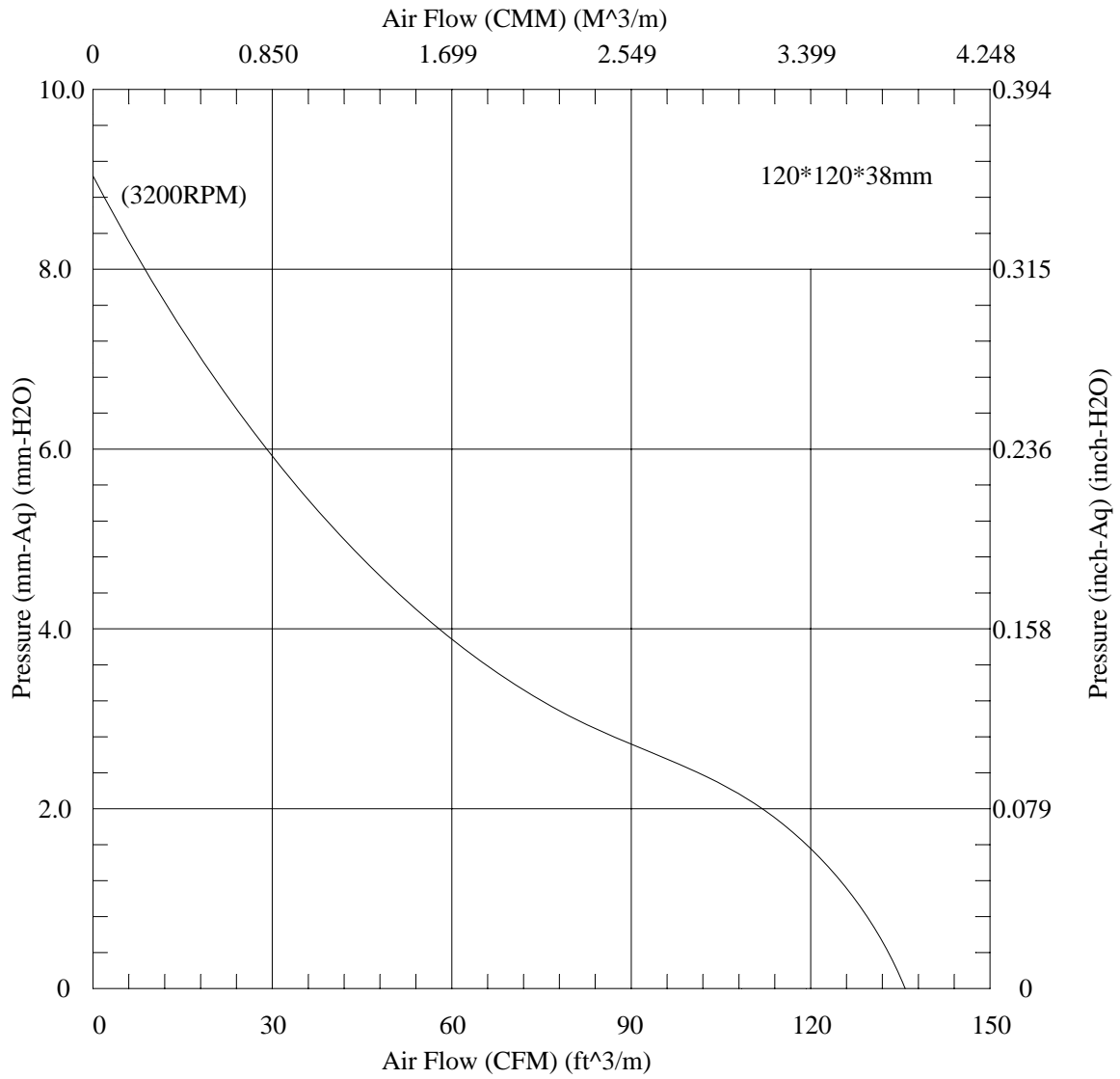
NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	120*120*38	mm	-----
5-1-02	Bearing	Dual Ball	-----	-----
5-1-03	Rated Voltage	48	VDC	-----
5-1-04	Operating Voltage	24.0 ~ 60.0	VDC	-----
5-1-05	Start Voltage	24.0	VDC	On/off test
5-1-06	Speed	3200	R.P.M	±10%, At rated Voltage
5-1-07	Input Current	0.20	Amp	At rated Voltage
5-1-08	Input Power	9.60	Watt	At rated Voltage
5-1-09	Nominal Current	0.22	Amp	At rated Voltage
5-1-10	Air Flow	135.8	CFM	At 0 static Pressure of rated speed
5-1-11	Static Pressure	0.356	inchH <sub>2</sub> O	At 0 air flow of rated speed
5-1-12	Noise	47.9	dBA	At rated speed
5-1-13	Life Expectancy(L10)	75,000	Hours	At 40°C
5-1-14	Motor protection	Electronic protected		
5-1-15	Polarity Protection	It will not damage the fan while reverse input.		
5-1-16	Auto Restart	YES	-----	-----
5-1-17	Speed Signal Output	NO	-----	-----
5-1-18	Alarm Signal Output	NO	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	265	Gram	Per each piece
5-1-21	Safety Certificate	CE	-----	-----

## 5-2. LEAD WIRE:

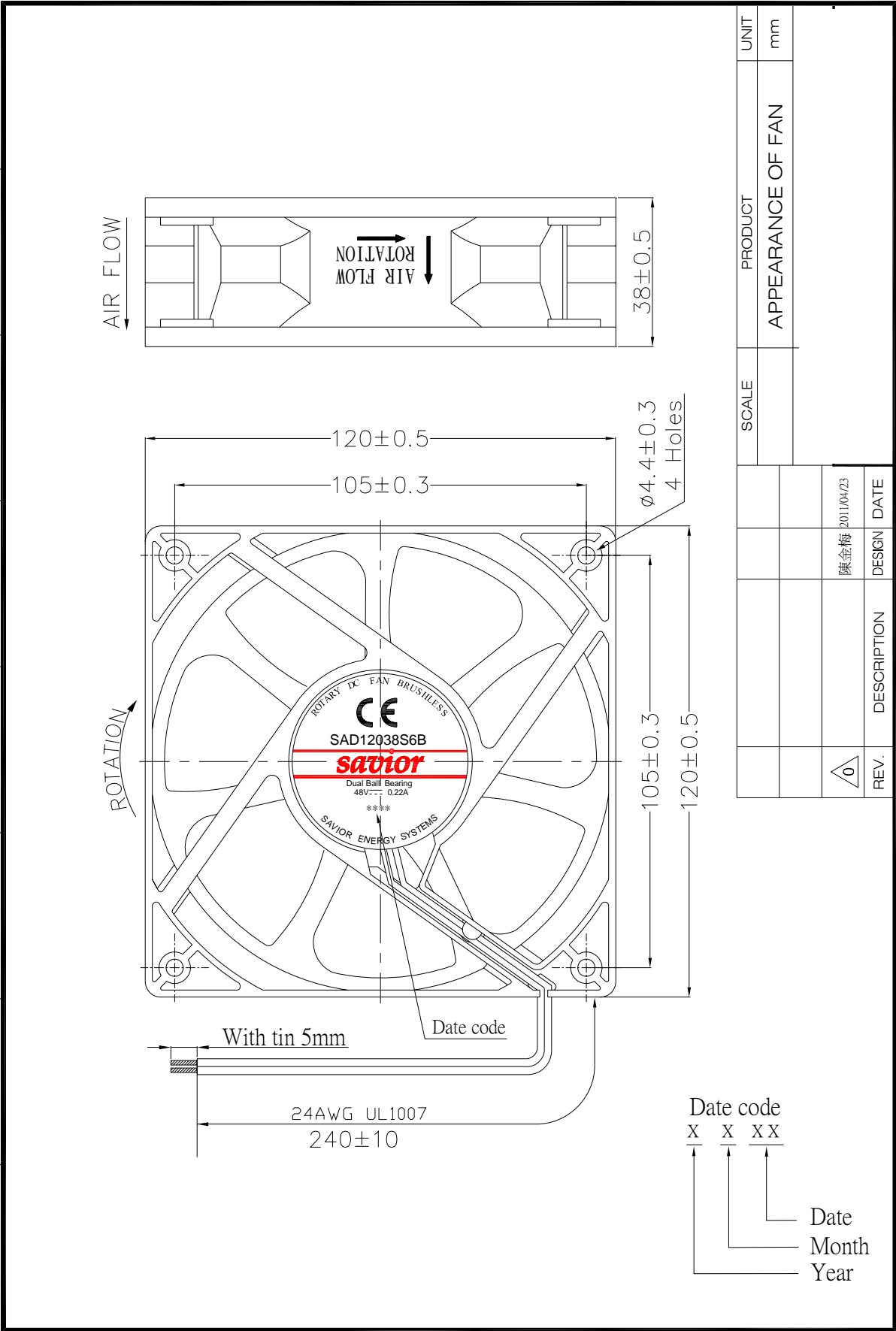
NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	24AWG, UL1007(The end of wire with tin as drawing)			
5-2-02	Color	=	+		
		Black	Red		
5-2-03	Line Length	240±10 mm			
5-2-04	Connector	Notes as: Not available			
5-2-05	Tube	No			



# FAN PERFORMANCE CURVES



A B C D E F G H



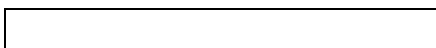
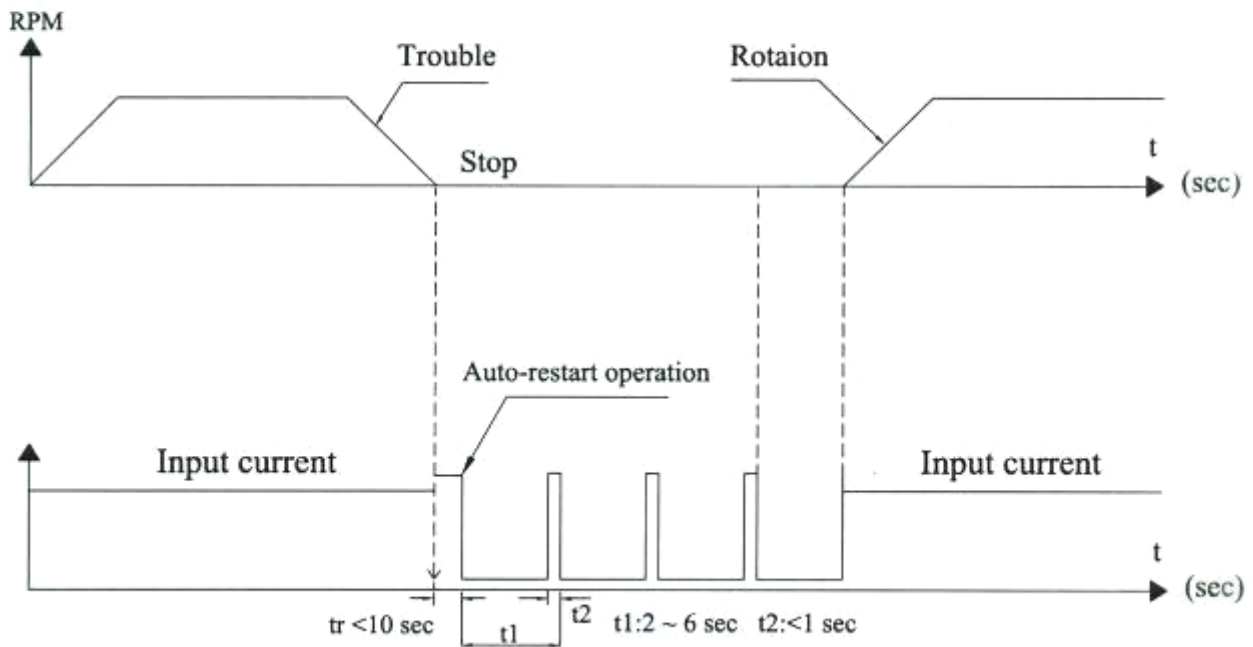
SCALE	PRODUCT	UNIT
	APPEARANCE OF FAN	mm
REV.	DESCRIPTION	DESIGN DATE
0		陳金梅 2011/04/23

Date code  
 X X XX  
 Date  
 Month  
 Year

1 2 3 4 5 6 7 8

# Auto-restart

Fan motor speed



CE

SPORTON LAB.

Certificate No.: EC2D2008-04

# CERTIFICATE


- EQUIPMENT: DC FAN  
MODEL NO. : SADx1x2x3x4x5  
(For more model numbers please refer to rear side of this certificate.)  
APPLICANT : SAVIOR ELEKTRONIK SANAYI VE TIC.LTD.STI  
Des Sanayi Sitesi. 104. Sok. A07 Blok, No:2  
Y.Dudullu, Istanbul – TURKEY



I HEREBY

CERTIFY THAT:

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN EUROPEAN COUNCIL DIRECTIVE 2004/108/EC. THE EQUIPMENT WAS PASSED THE TEST PERFORMED ACCORDING TO European Standard EN 55022:2006 Class B, EN 61000-3-2:2006, EN 61000-3-3:1995/A1:2001/A2:2005 and EN 55024:1998/A1:2001/A2:2003 (IEC 61000-4-2:1995/A2:2000, IEC 61000-4-3:2006, IEC 61000-4-4:2004, IEC 61000-4-5:2005, IEC 61000-4-6:2006, IEC 61000-4-8:1993/A1:2000, IEC 61000-4-11:2004 ). THE TEST WAS CARRIED OUT ON May 28, 2008 AT SPORTON INTERNATIONAL INC. LAB.

  
Castries Huang  
Supervisor

More detail information of Model No.:

**x1 ( Diameter / Width (mm))**

025= 25x25mm  
030= 30x30mm  
040= 40x40mm  
050= 50x50mm  
060= 60x60mm  
070= 70x70mm  
080= 80x80mm  
092= 92x92mm  
020= 20x20mm  
035= 35x35mm  
045= 45x45mm  
120= 120x120mm  
172= Ø172 or 172x150mm

**x2 (Thicknes (mm))**

06 = 6mm  
07 = 7mm  
09 = 9mm  
10 = 10mm  
12 = 12mm  
15 = 15mm  
20 = 20mm  
25 = 25 or 25.4mm  
32 = 32mm  
38 = 38mm  
51 = 51mm

**x3 (Speed)**

H = High Speed  
N = Normal Speed  
S = Slow Speed  
U = Ultra Fan

**x4 (Voltage)**

3 = 5V  
4 = 12V  
5 = 24V  
6 = 48V

**x5 (Bearing)**

S = Sleeve Bearing  
B = Ball Bearing