

CUSTOMER: Ropla
DISTRIBUTOR:
(PE48AA1)

NO.: TC76008(2)

APPROVE SHEET
[Compliance with RoHS]

PRODUCT: DC BRUSHLESS FAN

USER P/N: _____

Parts No.: JF0515B2HM010-210R

Printed model number on the stick: JF0515B2HM-R

(SIGNATURE)

JAMICON GROUP
KAIMEI ELECTRONIC CORP.

	CHECKER	DESIGNER

CUSTOMER: Ropla
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(PE48AA1)

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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:

MODEL JF0515B2HM010-210R

5-1. SPECIFICATION:

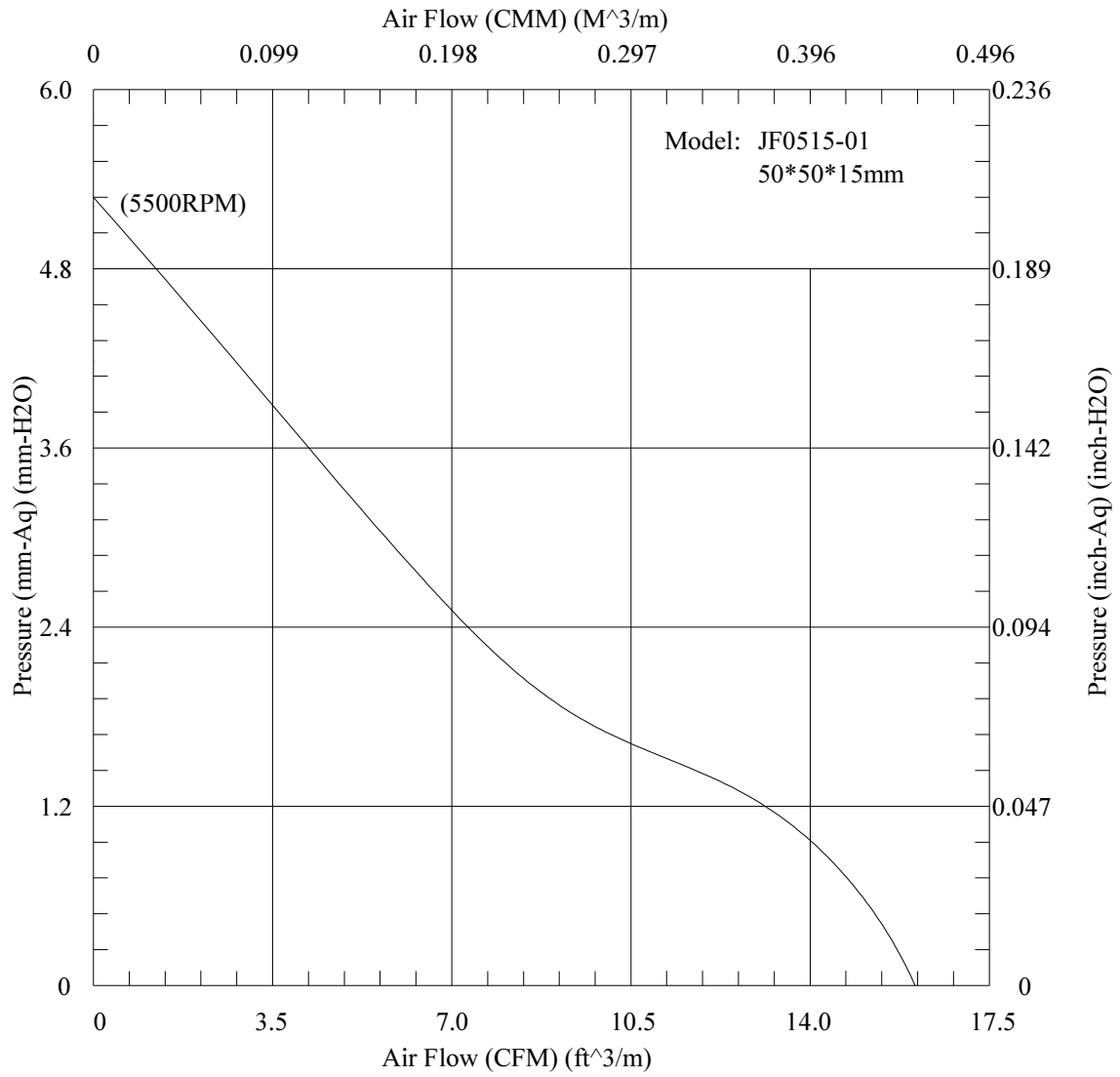
NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	50*50*15	mm	-----
5-1-02	Bearing	Dual Ball	-----	-----
5-1-03	Rated Voltage	24	VDC	-----
5-1-04	Operating Voltage	20.4 ~ 27.6	VDC	-----
5-1-05	Start Voltage	12	VDC	On/off test
5-1-06	Speed	5500	R.P.M	±10%,At rated Speed
5-1-07	Input Current	0.10	Amp	At rated Voltage
5-1-08	Input Power	2.40	Watt	At rated Voltage
5-1-09	Nominal Current	0.13	Amp	At rated Voltage
5-1-10	Air Flow	16.05	CFM	At 0 static Pressure of Rated speed
5-1-11	Static Pressure	0.208	inchH ₂ O	At 0 air flow of rated speed
5-1-12	Noise	35.6	dBA	At rated speed
5-1-13	Life Expectancy	50,000	Hours	At 25℃&RH65%
5-1-14	Motor protection	Electronic protected		
5-1-15	Polarity protection	Providing 15 minutes protection while reverse input.		
5-1-16	Auto Restart	YES	-----	-----
5-1-17	Speed Signal output	YES(Ⓢ)	-----	-----
5-1-18	Alarm Signal output	NO	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	29	Gram	Per each piece
5-1-21	Safety Certificate	UL, CUL, TUV, CE	-----	-----

5-2. LEAD WIRE:

NO.	ITEM	CONDITION			
5-2-01	AWG NO. & Authorize	26 AWG, UL1007			
5-2-02	Color	—	+	Speed	
		Black	Red	White	
5-2-03	Line Length	275±10mm			
5-2-04	Connector	Notes as: Not included in this lead wire.			
5-2-05	Tube	NO			

Note①:Don't direct connect the speed /Alarm signal output to “+”or “-”.

JAMICON FAN PERFORMANCE CURVES



風扇振動噪音性能測試報告

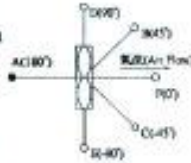
(The Test Report of Fan Vibration and Noise)

風扇型號(Sample Type): JF0515B2H
 基本規格(Properties): DC 24V 7葉 4極 5500RPM

測試日期(Test Date): 2003/7/21 PM 02:37:30
 測試編號(Test No.): (2)

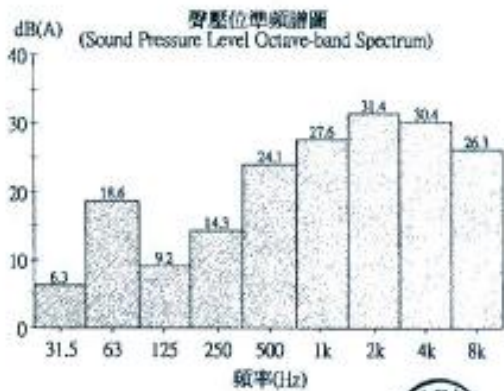
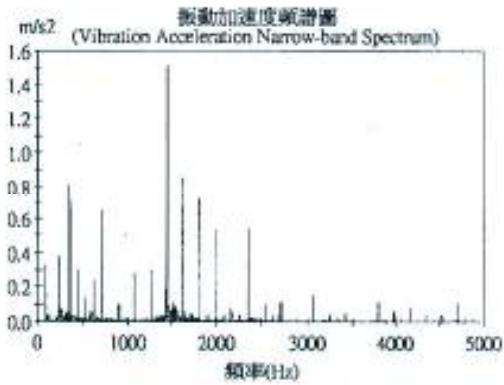
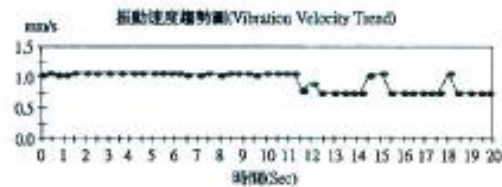
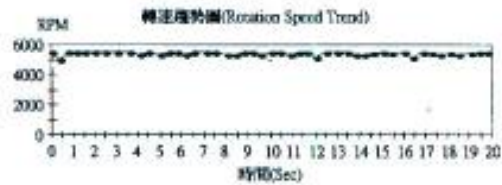
測試條件(Test Conditions)

- 輸入電壓(Input Voltage): 24 V
- 量測時間(Measuring Time): 20 sec
- 麥克風距離(Mic. Distance): 100 cm
- 麥克風角度(Mic. Angle): 180°
- 頻域加權(Freq. Weighting): A
- 時域加權(Time Weighting): SLOW
- 背景噪音(Background Noise): 15.0 dB(A)
- 溫度(Temperature): °C
- 相對濕度(Relative Humidity): %



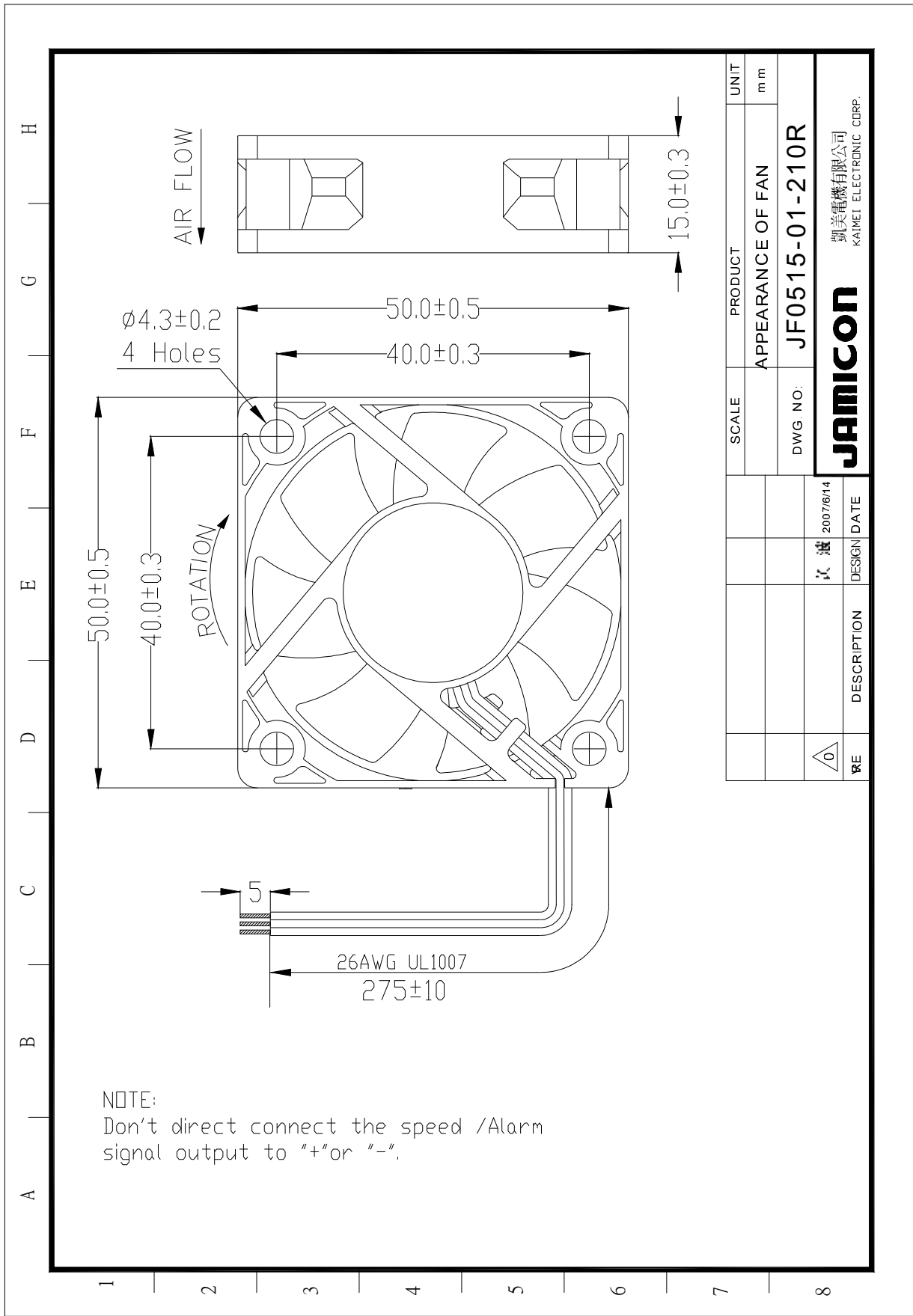
測試結果(Test Results)

- 電壓(Passing Voltage):
- 電流(Electric Current):
- 消耗功率(Power Dissipation):
- 轉速(Rotation Speed): 5503 RPM
- 振動量(Vibration Level) (依據 ISO 2372)
- 振動速度(Vib. Velocity): 0.95 mm/sec RMS
- 均態聲壓位準(Time-averaged SPL, Leq) (依據 CNS 8753)
- 量測點(At Meas. Point): 35.7 dB(A)
- 1米處(At 1m Point): 35.7 dB(A)
- 最大聲壓位準(MaxL): 35.9 dB(A)
- 最小聲壓位準(MinL): 34.2 dB(A)



審核人員: 

操作員: Sam-Liao 簽章: 



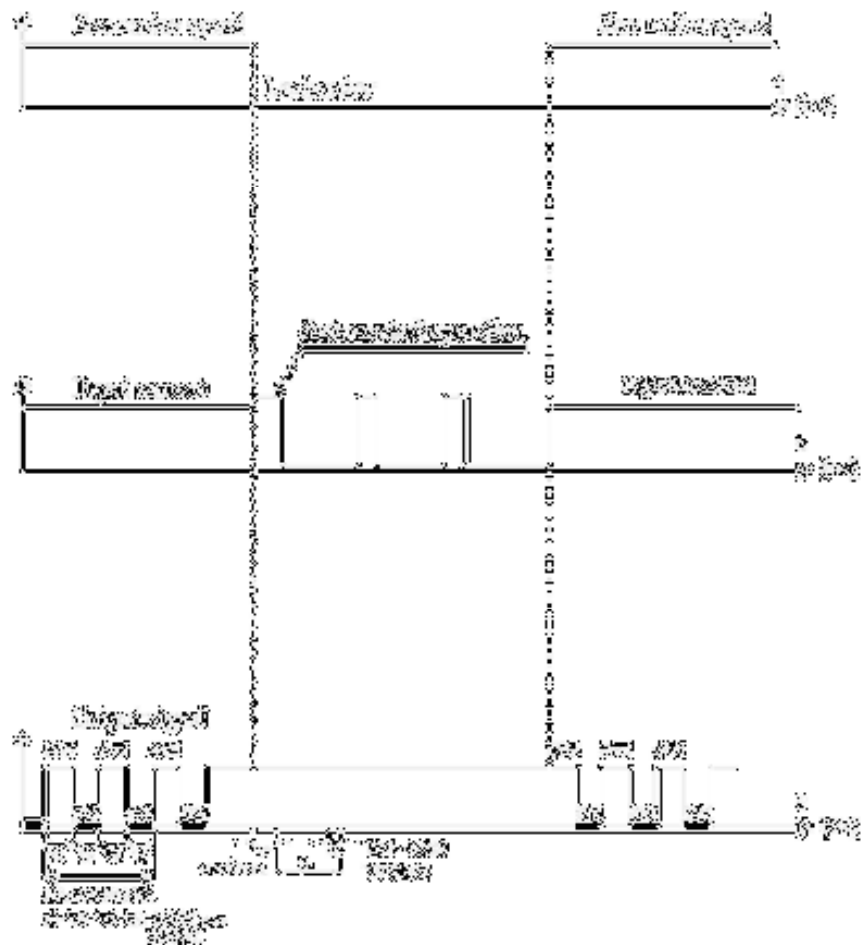
SCALE	PRODUCT	UNIT
	APPEARANCE OF FAN	mm
DWG. NO:	JF0515-01-210R	
DATE	2007/6/14	
DESCRIPTION	凱美電機有限公司 KAMEI ELECTRONIC CORP.	
RE	DESIGN DATE	

Auto mounted Transformer signal

Figure 1



Figure 2



Zertifikat

Certificate



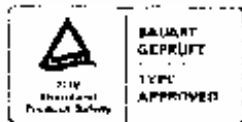
Zertifikat Nr. / Certificate No. R 50028769 Blatt / Page 0007

Ihr Zeichen / Client Reference R 20006/011 Unser Zeichen / Our Reference ZT01 LYA 1000285 002 Ausstellungsdatum / Date of Issue 28.06.2006 (day/month)

Genehmigungsinhaber / License Holder
 Kaimai Electronic Corp.
 13th Fl., No. 61
 Sec. 1, Yanshai-Wa Rd.
 Hanchuan, Taipei Hsien 223
 Taiwan

Fertigungsstätte / Manufacturing Plant
 Kaimai Electronic (HK), Ltd.
 10th Industry Area
 2nd Road, Dongguan, Dong Hua
 Shenzhen City, Guangdong
 P.R. China

Prüfzeichen / Test Mark



Geprüft nach / Tested acc. to
 EN 60950-1:2001+ALL

Zertifiziertes Produkt (Geräteidentifikation)
 Certified Product (Product Identification)

Lizenzentgelte - Einheit
 License Fee Unit

Ventilator (DC Fan)

wie Blatt 000 page: 01
 Equipped (Addition):

Bezeichnung (Type Designation):	JF0015X12UYX1JAK100N	1
X1 steht für (stands for):	E, B, C, H oder (or) F	1
Y steht für (stands for):	0 1, A 2 oder (or) (vorbleibend (blank))	1
Änderung für Bezeichnung (Change for Type Designation):	JF0015X12K2YYY JF0025X12K4YYY JF0025X12K5YYY JF0025X14Y6YYY	
X1 steht für (stands for):	E, B, C, H oder (or) F	
X2 steht für (stands for):	E, M, L oder (or) E	
X3 steht für (stands for):	T, D oder (or) S	
X4 steht für (stands for):	H, P, F, M, D oder (or) E	
Z steht für (stands for):	B 1, A 2 oder (or) (vorbleibend (blank))	



ANLAGE (Appendix): 1, 1

Das Zertifikat liegt unser Prüf- und Zertifizierungsordnung zugrunde.
 Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
 This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Tel: +49 221 98 06 15 0 Fax: +49 221 98 06 35 e-mail: info@tuv.de tur@tuv.de

Zertifizierungsstelle

F. Stölzel
 Dipl.-Ing. F. Stölzel



ATTACHMENT-1

Model Nos.	Rating	Model Nos.	Rating
JF0815(X1)1U(X4)	12Vdc, 0.34A	JF0815(X1)2U(X4)	24Vdc, 0.17A
JF0815(X1)1S(X4)	12Vdc, 0.22A	JF0815(X1)2S(X4)	24Vdc, 0.14A
JF0815(X1)1H(X4)	12Vdc, 0.17A	JF0815(X1)2H(X4)	24Vdc, 0.10A
JF0815(X1)1M(X4)	12Vdc, 0.11A	JF0815(X1)2M(X4)	24Vdc, 0.07A
JF0815(X1)1L(X4)	12Vdc, 0.06A	JF0815(X1)2L(X4)	24Vdc, 0.06A
JF0515(X1)1H(X4)	12Vdc, 0.24A	JF0515(X1)2H(X4)	24Vdc, 0.13A
JF0515(X1)1M(X4)	12Vdc, 0.22A	JF0515(X1)2M(X4)	24Vdc, 0.12A
JF0515(X1)1L(X4)	12Vdc, 0.16A	JF0515(X1)2L(X4)	24Vdc, 0.11A
JF0515(X1)1E(X4)	12Vdc, 0.12A	JF0515(X1)2E(X4)	24Vdc, 0.08A
JF0625(X1)1T(X4)	12Vdc, 0.38A	JF0625(X1)4U(X4)	48Vdc, 0.11A
JF0625(X1)1U(X4)	12Vdc, 0.30A	JF0625(X1)4S(X4)	48Vdc, 0.09A
JF0625(X1)1S(X4)	12Vdc, 0.22A	JF0625(X1)4H(X4)	48Vdc, 0.08A
JF0625(X1)2T(X4)	24Vdc, 0.21A	JF0625(X1)4M(X4)	48Vdc, 0.07A
JF0625(X1)2U(X4)	24Vdc, 0.16A	JF0625(X1)4L(X4)	48Vdc, 0.06A
JF0625(X1)2S(X4)	24Vdc, 0.14A	JF0625(X1)4E(X4)	48Vdc, 0.05A
JF0825(X1)1U(X4)	12Vdc, 0.37A	JF0825(X1)4U(X4)	48Vdc, 0.12A
JF0825(X1)1S(X4)	12Vdc, 0.26A	JF0825(X1)4S(X4)	48Vdc, 0.10A
JF0825(X1)2T(X4)	24Vdc, 0.27A	JF0825(X1)4H(X4)	48Vdc, 0.08A
JF0825(X1)2U(X4)	24Vdc, 0.21A	JF0825(X1)4M(X4)	48Vdc, 0.06A
JF0825(X1)2S(X4)	24Vdc, 0.17A	JF0825(X1)4L(X4)	48Vdc, 0.05A
JF0925(X1)1U(X4)	12Vdc, 0.42A	JF0925(X1)4S(X4)	48Vdc, 0.13A
JF0925(X1)1S(X4)	12Vdc, 0.32A	JF0925(X1)4H(X4)	48Vdc, 0.09A
JF0925(X1)2U(X4)	24Vdc, 0.24A	JF0925(X1)4M(X4)	48Vdc, 0.08A
JF0925(X1)2S(X4)	24Vdc, 0.18A	JF0925(X1)4L(X4)	48Vdc, 0.06A
JF0925(X1)2E(X4)	24Vdc, 0.18A	JF0925(X1)4E(X4)	48Vdc, 0.05A
JF1225(X1)1U(X4)	12Vdc, 0.50A	JF1225(X1)4U(X4)	48Vdc, 0.14A
JF1225(X1)1S(X4)	12Vdc, 0.37A	JF1225(X1)4S(X4)	48Vdc, 0.12A
JF1225(X1)2U(X4)	24Vdc, 0.28A	JF1225(X1)4H(X4)	48Vdc, 0.10A
JF1225(X1)2S(X4)	24Vdc, 0.21A	JF1225(X1)4M(X4)	48Vdc, 0.08A
		JF1225(X1)4L(X4)	48Vdc, 0.07A
		JF1225(X1)4E(X4)	48Vdc, 0.06A

(X1) may be S, B, C, H or F;
 (X4) may be three digits, each may be blank, "-", 0-9 or A-Z, for marketing purpose.

TÜV Rheinland Group

Kaimel Electronic Corp.

DAVID TECHNOLOGY INC.
 (name of authorized person)

22.06.06
 Date Name

Signature

14-June-06

14-June-06
 Date Name

Stamp & Signature of licenseholder



SPORTON LAB.

Certificate No: EC2D2008-01

CERTIFICATE

● **EQUIPMENT: DC FAN**
MODEL NO. : JFX1X2X3X4X5X6X7X8, KFX1X2X3X4X5X6X7X8
APPLICANT : Kaimei Electronic Corp.
 13th Fl., No. 81, Sec. 1, Hsin Tai Wu Road, Hsichih,
 Taipei, Taiwan, R.O.C.



I HEREBY CERTIFY THAT:

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN **EUROPEAN COUNCIL DIRECTIVE 89/336/EEC**. THE EQUIPMENT WAS **PASSED** THE TEST PERFORMED ACCORDING TO **EUROPEAN STANDARD EN 55022:1998/A1:2000/A2:2003 Class B, EN 61000-3-2:2000/A1:2001, EN 61000-3-3:1995/A1:2001 and EN 55024:1998/A1:2001/A2:2003 (IEC 61000-4-2:1995/A2:2000, IEC 61000-4-3:2002, IEC 61000-4-4:1995/A2:2001, IEC 61000-4-5:1995/A1:2000, IEC 61000-4-6:1996/A1:2000, IEC 61000-4-8:1993/A1:2000, IEC 61000-4-11:1994/A1:2000)**. THE TEST WAS CARRIED OUT ON **Jan. 11, 2007** AT **SPORTON INTERNATIONAL INC. LAB.**

Castries Huang
 Castries Huang
 Supervisor

SPORTON INTERNATIONAL INC. 6F, No.106, Sec.1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien , Taiwan, R.O.C.

ACCORDING TO EUROPEAN STANDARD
EN 55022:1998/A1:2000/A2:2003 Class B,
EN 61000-3-2:2000/A1:2001, EN 61000-3-3:1995/A1:2001 and
EN 55024:1998/A1:2001/A2:2003 (IEC 61000-4-2:1995/A2:2000,
IEC 61000-4-3:2002, IEC 61000-4-4:1995/A2:2001,
IEC 61000-4-5:1995/A1:2000, IEC 61000-4-6:1996/A1:2000,
IEC 61000-4-8:1993/A1:2000, IEC 61000-4-11:1994/A1:2000).

More detail information of Model NO.:

X1 means for Width x Width = 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B, 0C, 12, 15
Where 02=25x25, 03=30x30, 04=40x40, 05=50x50, 06=60x60, 07=70x70, 08=80x80,
09=92x92, 0A=20x20, 0B=35x35, 0C=45x45, 12=120x120, 17= ϕ 172 or 172x150 mm

X2 means for thickness = 06, 07, 09, 10, 12, 15, 20, 25 or 25.4, 32, 38, 51

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

Where the cross list for X1&X2 as the following:

0A10, 0206, 0207, 0210, 0306, 0307, 0310, 0B06, 0B07, 0B10, 0406, 0407, 0409, 0410,
0412, 0415, 0420, 0425, 0C07, 0C10, 0509, 0510, 0512, 0515, 0520, 0525, 0610, 0615,
0620, 0625, 0638, 0710, 0715, 0720, 0725, 0815, 0820, 0825, 0832, 0838, 0925, 0932, 0938,
1225, 1232, 1238, 1738, 1751

X3 means for bearing type = S, B, H, C

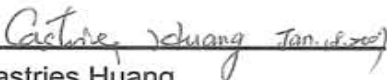
Where S=Sleeve, B= 2 Ball, C= 1Ball or 1Ball+Sleeve

X4 means for rated voltage =1 (12V), 2 (24V), 3 (32V), 4(48V), 5(5V), A(3V), B (25.5V),
C(42V), D(18V), E(15V)

X5 means for rotation speed =T, U, S, H, M, L, E, V or 7, 6, 5, 4, 3, 2, 1, 0.

Where T or 7 means speed higher than U or 6 speed code,
U or 6 means speed higher than S or 5 speed code,
S or 5 means speed higher than H or 4 speed code,
H or 4 means Standard-high speed code,
M or 3 means Middle speed code,,
L or 2 means Low speed code,
E or 1 means speed lower than L speed code,
V or 0 means speed lower than E speed code.

X6, X7, X8 means the internal code to distinguish the wiring, frame and blade type or the
dimension of the screw hole and or the color of the above material and also for special
printing characters on the label requested by the client.



Castries Huang
Supervisor