CUSTOMER: ROPLA

DISTRIBUTOR:

(PE48AA1)

NO.: TC113033(2)

APPROVE SHEET

[Compliance with RoHS]

PRODUCT: **DC BRUSHLESS FAN**

USER P/N: _____

Parts No.: KF0410B1US034-082R

Printed model number on the stick: KF0410B1HSUR

(SIGNATURE)

JAMICON GROUP

KAIMEI ELECTRONIC CORP.

TEL:0755-2813 5359

FAX:0755-2813 5384

KAIMEI ELECTRONIC (H.K.) LTD. 凱美電機 承認章

APPROVED	CHECKED	DRAWN
研發部經理 2011.3.31 尤曉偉	課長 2011.3.31 李凌	王婷 2011/03/31

1. MECHANICAL:

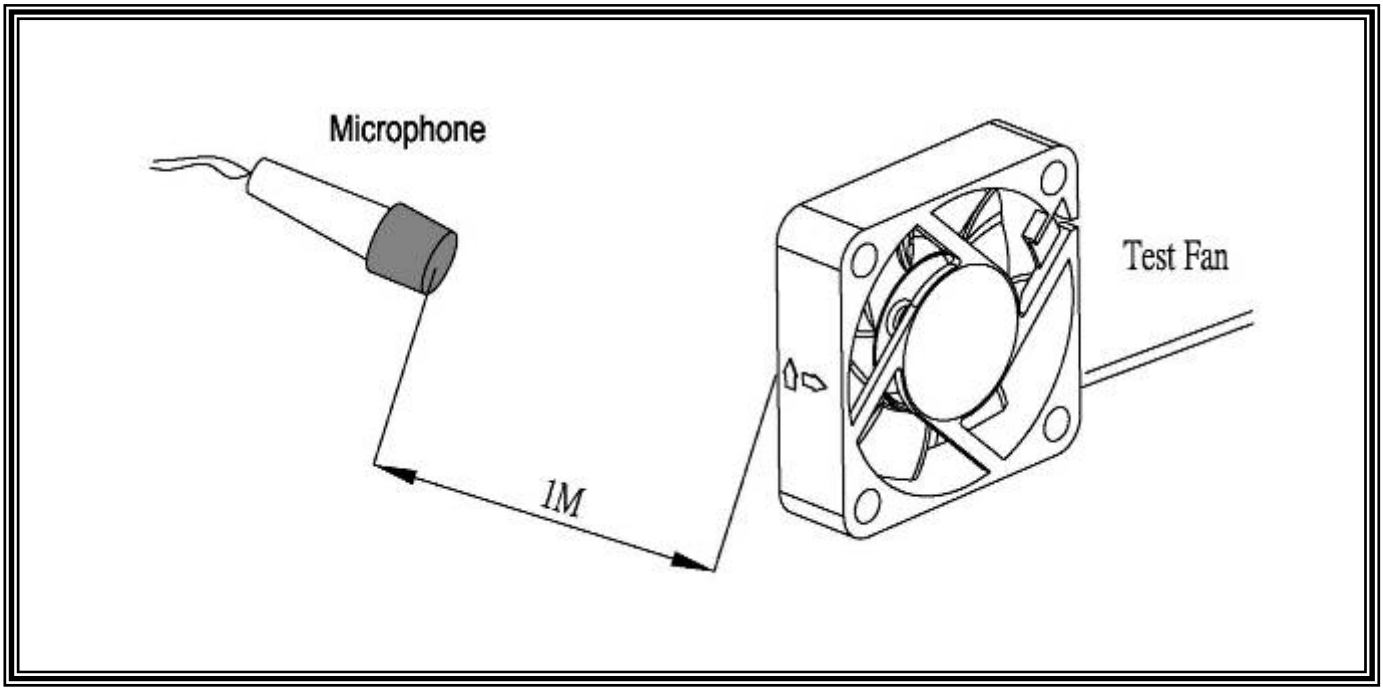
1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0 (P.B.T).
1-04	Impeller	Plastic material UL 94V-0 (P.B.T).
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of 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℃ to 80℃ (10~90%R.H.) (ordinary humidity)
4-02	Storage Temperature	-35℃ to 85℃ (5~95% R.H.) (ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2℃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:

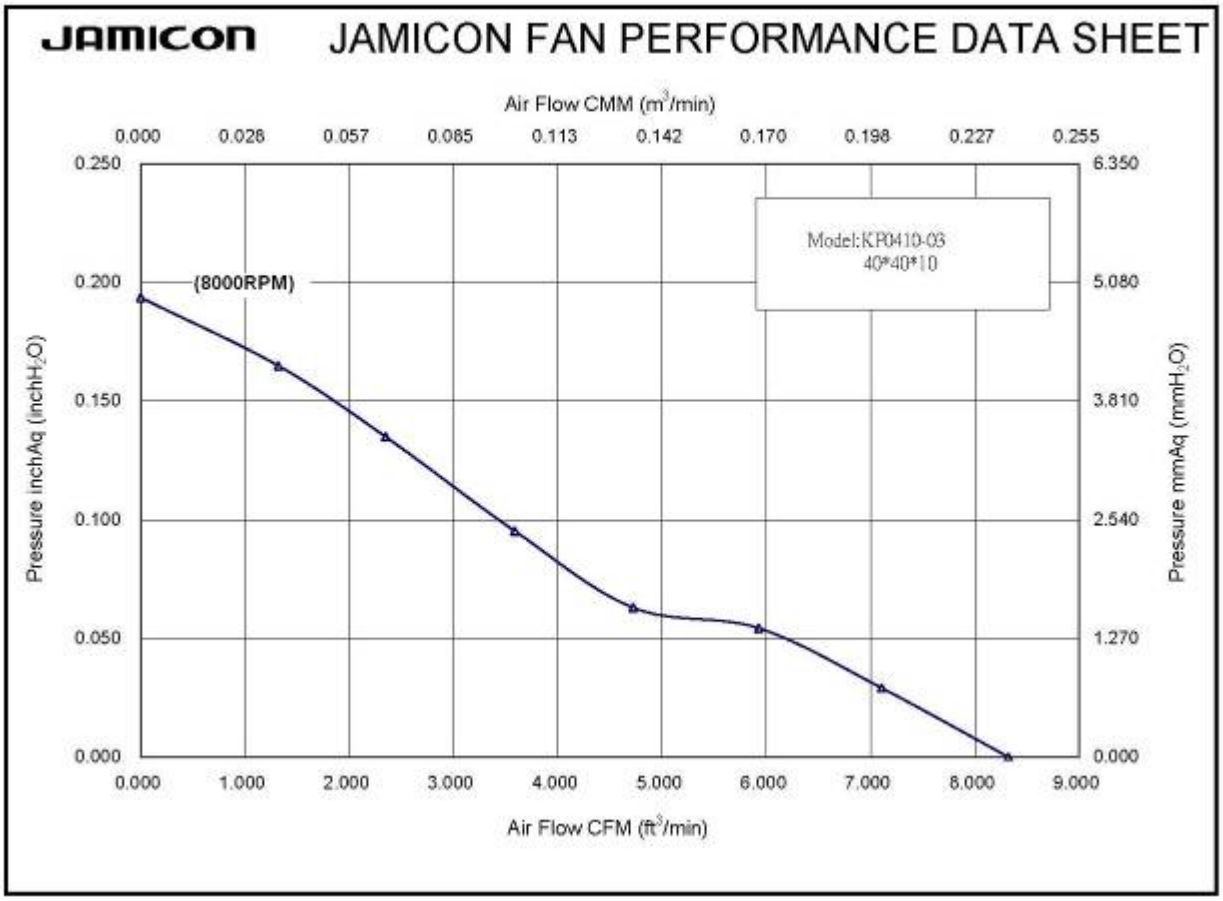
MODEL: KF0410B1US034-082R

5-1. SPECIFICATION:

NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	40*40*10	mm	----------
5-1-02	Bearing	Dual Ball	---------	----------
5-1-03	Rated Voltage	12	VDC	----------
5-1-04	Operating Voltage	7.0~13.8	VDC	----------
5-1-05	Start Voltage	7.0	VDC	On/off test
5-1-06	Speed	8000	R.P.M	±10%,At rated Voltage
5-1-07	Input Current	0.07	Amp	At rated Voltage
5-1-08	Input Power	0.84	Watt	At rated Voltage
5-1-09	Nominal Power	0.8	Watt	At rated Voltage
5-1-10	Air Flow	8.32	CFM	At 0 static Pressure of rated speed
5-1-11	Static Pressure	0.194	inchH_2O	At 0 air flow of rated speed
5-1-12	Noise	34.0	dBA	At rated speed
5-1-13	Life Expectancy (L10)	65,000	Hours	At 40℃
5-1-14	Motor protection	Impedance Protected		
5-1-15	Polarity protection	It will damage the fan while reverse input.		
5-1-16	Auto Restart	NO	--------	----------
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	15	Gram	Per each piece
5-1-21	Safety Certificate	UL, CUL, TUV, CE	--------	----------
5-1-22	IP Rating	IP55	--------	----------

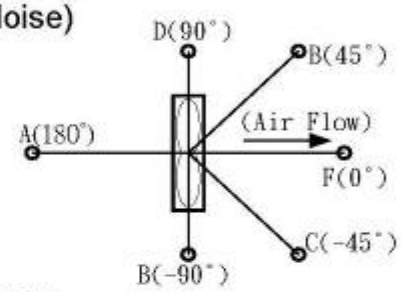
5-2. LEAD WIRE:

NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	28AWG, UL1061(The end of wire with tin as drawing)			
5-2-02	Color	═	╪	Speed	
		Black	Red	White	
5-2-03	Line Length	280±10mm			
5-2-04	Connector	Notes as: Not available			
5-2-05	Tube	NO			


JAMICON
JAMICON FAN PERFORMANCE DATA SHEET
Air Flow CMM (m³/min)
0.000
0.028
0.057
0.085
0.113
0.142
0.170
0.198
0.227
0.255
0.250
0.200
0.150
0.100
0.050
0.000
6.350
5.080
3.810
2.540
1.270
0.000
(8000RPM)
Model:KR0410-03
40*40*10
Pressure inchAq (inchH2O)
Pressure mmAq (mmH2O)
0.000
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
9.000
Air Flow CFM (ft³/min)

JAMICON 凱美電機股份有限公司KAIMEI ELECTROMIC CORP.

風扇噪音性能測試報告
(The Test Report of Fan Noise)



風扇型號(Sample Type)	KF0410-03
基本規格(roperities)	DC 12 V 7 葉 4 極
測試日期(Test Date)	2011 年 3 月 31 日
測試編號(Tset No.)	001
測試設備(Test Equip)	B&K 2236

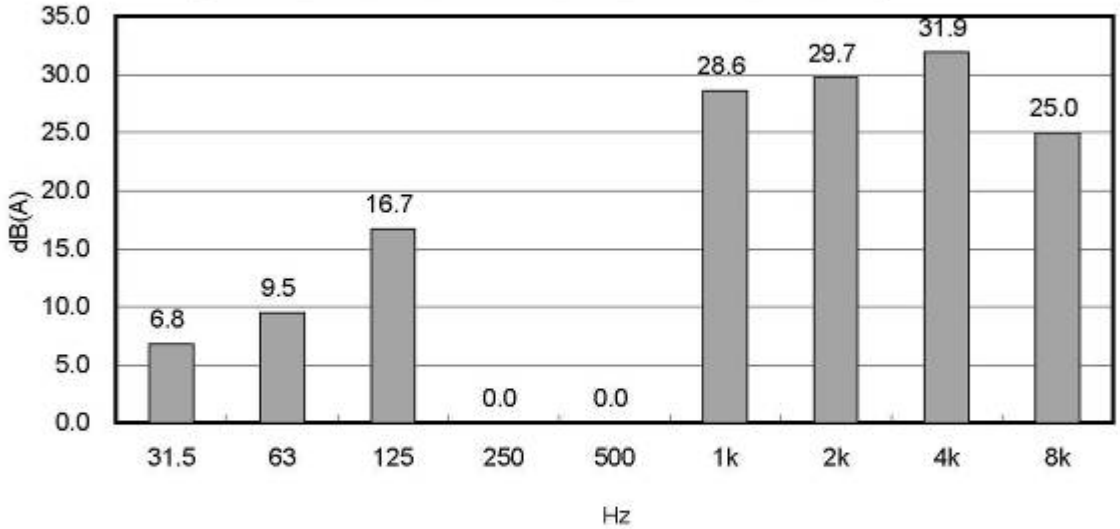
Fulfils：IEC 651-1979 TYPE1 I IEC 804-1985 TYPE 1

ANSI S1.4-1983 TYPE S1 ANSI S1.43-199X TYPE 1

測試條件(Test Conditions)			測試結果(Test Results)		
輸入電壓(Input Voltage)	12 V	Hz	電壓(Passing Voltage)		
量測時間(Measuring Time)	20	Sec	電流(Electric Current)		
麥克風距離(Mic. Distance)	100	cm	消耗功率(Power Dissipation)		
麥克風角度(Mic. Angle)	180°		轉速(Rotation Speed)	8000	RPM
頻域加權(Freq.Weighting)	A		均能聲壓位準(Time-averaged SPL，Leq) (依據CNS 8753)		
時域加權(Time Weighting)	SLOW		最大聲壓位準(MaxL)	35.90	dB(A)
背景噪音(Background Noise)	15.0	dB(A)	最小聲壓位準(MinL)	34.00	dB(A)
溫度(Temperature)	29.1	℃	量測點(At Meas. Point)	35.40	dB(A)
相對濕度(Relative Humidity)	68.0	%	1米處(At 1m Point)	35.40	dB(A)

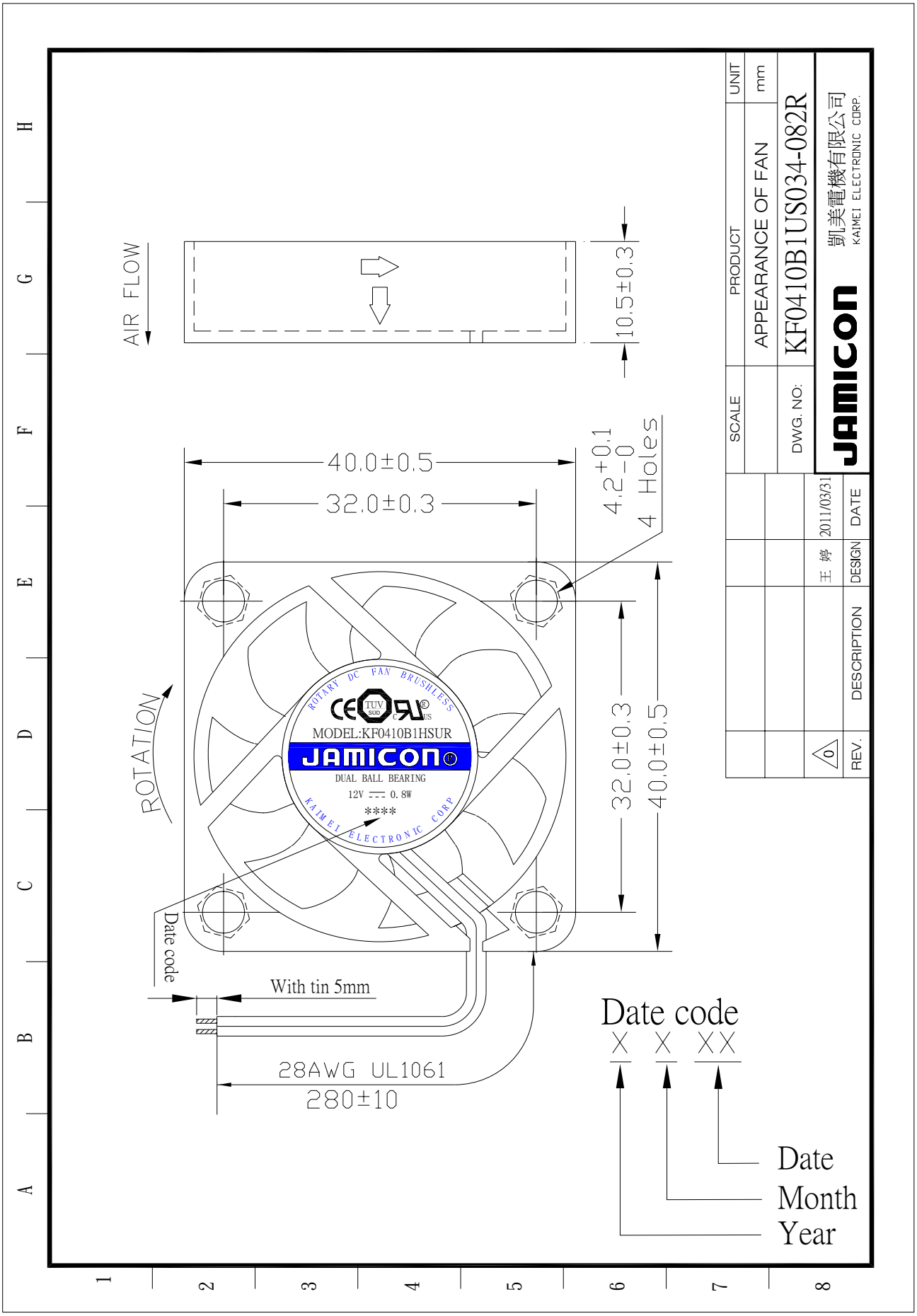
聲壓位準頻譜圖(Sound Pressure Level Octave-Band Spectrum)

頻率(Hz)	31.5	63	125	250	500	1k	2k	4k	8k
dB(A)	6.8	9.5	16.7	0.0	0.0	28.6	29.7	31.9	25.0



簽核人員：_____ 操作人員： 周晃寬 Huang-Kuan Chou.

系統開發(Developer)工業技術研究院機械工業研究所(MIRL/ITRI)


AIR FLOW
10.5±0.3
40.0±0.5
32.0±0.3
4.2 +0.1 -0
4 Holes
ROTATION
ROTARY DC FAN BRUSHLESS
MODEL:KF0410B1HSUR
JAMICON
DUAL BALL BEARING
12V 0.8W
****
KAIMEI ELECTRONIC CORP
Date code
With tin 5mm
28AWG UL1061
280±10
32.0±0.3
40.0±0.5
Date code
X X XX
Date
Month
Year
PRODUCT
APPEARANCE OF FAN
UNIT
mm
SCALE
DWG. NO.
KF0410B1US034-082R
JAMICON
凱美電機有限公司
KAIMEI ELECTRONIC CORP.
2011/03/31
王 婷
DATE
DESIGN
DESCRIPTION
REV.
0

GPWV2.E156480
Fans, Electric - Component

Page Bottom

Fans, Electric - Component

See General Information for Fans, Electric - Component

KAIMEI ELECTRONIC CORP E156480
13TH
81 HSIN-TAI-WU RD, SEC 1
HSICHIH, TAIPEI HSIEN 221 TAIWAN

AC fans, Models MA0825H2Bzz, MA0825H2Szz, MA0825M2Bzz, MA0825M2Szz, MA0838H2Bzz, MA083H2Szz, MA0838M2Bzz, MA0838M2Szz, MA0925H2Bzz, MA0925H2Szz, MA0925M2Bzz, MA0925M2Szz, MA0938H2Bzz, MA0938H2Szz, MA0938M2Bzz, MA0938M2Szz, KA0938H2Bzz, KA0938H2Szz, KA0938M2Bzz, KA0938M2Szz, MA1225H2Bzz, MA1225H2Szz, MA1225M2Bzz, MA1225M2Szz, KA1338H2Bzz, KA1338H2Szz, KA1338M2Bzz, KA1338M2Szz, KA1338L2Bzz, KA1338L2Szz, MA1338H2Bzz, MA1338H2Szz, MA1338M2Bzz, MA1338M2Szz, MA2260H2Bzz, MA0825H1Bzz, MA0825H1Szz, MA0825M1Bzz, MA0825M1Szz, MA0838H1Bzz, MA0838H1Szz, MA0838M1Bzz, MA0838M1Szz, MA0925H1Bzz, MA0925H1Szz, MA0925M1Bzz, MA0925M1Szz, MA0938H1Bzz, MA0938H1Szz, MA0938M1Bzz, MA0938M1Szz, KA0938H1Bzz, KA0938H1Szz, KA0938M1Bzz, KA0938M1Szz, MA1225H1Bzz, MA1225H1Szz, MA1225M1Bzz, MA1225M1Szz, KA1338H1Bzz, KA1338H1Sz, KA1338M1Bzz, KA1338M1Szz, KA1338L1Bzz, KA1338L1Szz, MA1338H1Bzz, MA1338H1Szz, MA1338M1Bzz, MA1338M1Szz, MA2260H1Bzz.

Models JA1751H1, JA1751H2, JA1238H1, JA1238H2, JA1238-1H1, JA1238-1H2, JA1225H1, JA1225H2, JA0925H1, JA0925H2, JA0838H1, JA0838H2, JA0825H1, JA0825H2.

Model KAX (A) (B) X_1 and/or X_2, where X may be 0825, 0838, 0925, 1225, 1238 or 1751, (A) may be H1, H2, M1, M2, L1 or L2, (B) may be B or S and X_1, X_2 may be 0 thru 9, A thru Z, blank or "-"; Model MAX (A) (B) X_1 and/or X_2, where X may be 1238, 1538, 1738, 1751, 1755 or 2589, (A) may be H1, H2, M1 or M2, (B) may be B, S and X_1, X_2 may be 0 thru 9, A thru Z or "-".

Models JA1238(a)(c)(b)(x)(y), JA1238HD(b)(x)(y), KA1238(a)(c)(b)(x)(y), KA1238HD(b)(x)(y) series, where (a) may be H, M or L, (c) may be 1 or 2, (b) may be B or S, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

Models JA1225H1(b)(x)(y), JA1225L1(b)(x)(y), JA0925H1(b)(x)(y), JA0838H1(b)(x)(y), JA0825H1(b)(x)(y), JA1225H2(b)(x)(y), JA1225L2(b)(x)(y), JA0925H2(b)(x)(y), JA0838H2(b)(x)(y), JA0825H2(b)(x)(y) series, where (b) may be B or S, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

Models JA1751H1(b)(x)(y), JA1751H2(b)(x)(y) series, where (b) may be S or B, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

DC fans Models JF0207, JF0307, JF0407 followed by B or S, followed by -1HX, -1LX, -1MX, -5HX, -5LM or -5MX; Model JF0210 followed by B, C or S, followed by -5LXXX; Model JF0410 followed by B, C or S, followed by -1XXX, -1MXXX, -1HXXX or -5MXXX; Model JF0413 followed by B, C, H, F or S, followed by -1MXXX or -1HXXX; Model JF0512 followed by B, C or S, followed by -1LXXX or -1MXXX; Model JF0615 followed by B, C or S, followed by -1HXXX, -1LXXX or -1MXXX, -1EXXX, -1VXXX; Model JF0620 followed by B, C, H, F or S, followed by 1VXXX, -1EXXX, 1LXXX, -1MXXX, -1HXXX, -2VXXX, -2EXXX, -2LXXX, -2HXXX or -2MXXX; Model JF0625 followed by B, C, H, F or S, followed by -1VXXX, -1EXXX, -1LXXX, -1MXXX, -1HXXX, -2VXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JF0825 followed by B, C, H, F or S, followed by -1EXXX, -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; where "X" may be 0 thru 9, A thru Z, "-" or blank; Model JF0925 followed by B, C, H, F or S, followed by 1EXXX, -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JF1225 followed by B, C, H, F or S, followed by -1EXXX -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JH0410S1.

Model JF0615(X)2(Y)XXX, where (X) may be S, B or C and (Y) may be H, M, L, E or V.

Models JF0210(X)1H(Y), JF0210(X)1M(Y), JF0210(X)5H(Y), JF0210(X)5L(Y), JF0210(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models JF0310(X)1H(Y), JF0310(X)1L(Y), JF0310(X)1M(Y), JF0310(X)5H(Y), JF0310(X)5L(Y), JF0310(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models JF0A08(X)5H(Y), JF0A08(X)5L(Y), JF0A08(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or

blank.

Models JF0B10(X)1H(Y), JF0B10(X)1L(Y), JF0B10(X)1M(Y), JF0B10(X)5H(Y), JF0B10(X)5L(Y), JF0B10(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Model JF1751(X)4S(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models KF0210S5L, KF0210S5M, KF0210S5H, KF0210B5L, KF0210B5M, KF0210B5H, KF0210B5LD, KF0210B5MD, KF0210B5HD, KF0310S5L, KF0310S5M, KF0310B5L, KF0310B5M, KF0310B5H, KF0310B5LD, KF0310B5MD, KF0310B5HD, KF0410S5L, KF0410S5M, KF0410S5H, KF0410B5L, KF0210B1H, KF0210B1LD, KF0210B1MD, KF0210B1HD, KF0310S1L, KF0310S1M, KF0310S1H, KF0310B1L, KF0310B1M, KF0310B1H, KF0310B1LD, KF0310B1MD, KF0310B1HD, KF0410S1L, KF0410S1M, KF0410S1H, KF0410B1L, KF0410B1M, KF0410B1H, KF0410B1LD, KF0410B1MD, KF0410B1HD, KF0306S1M, KF0306S1H, KF0306B1M, KF0306B1H, KF0406S1M, KF0406S1H, KF0406B1M, KF0406B1H, KF0409S1L, KF0409S1M, KF0409S1H, KF0409B1L, KF0409B1M, KF0409B1H, KF0409B1LD, KF0409B1MD, KF0409B1HD, KF0510S1L, KF0510S1M, KF0510S1H, KF0510B1L, KF0510B1M, KF0510B1H, KF0510B1LD, KF0510B1MD, KF0510B1HD, KB3508S1M, KB3509S1H, KB3508B1M, KB3508B1H, KB4509S1M, KB4509S1H, KB4509B1M, KB4509B1H, KF0410B5M, KF0410B5H, KF0410B5LD, KF0410B5MD, KF0410B5HD, KF0306S5M, KF0306S5H, KF0306B5M, KF0306B5H, KF0406S5M, KF0406S5H, KF0406B5M, KF0406B5H, KF0409S5L, KF0409S5M, KF0409S5H, KF0409B5L, KF0409B5M, KF0409B5H, KF0409B5LD, KF0409B5MD, KF0409B5HD, KF0509S5L, KF0509S5M, KF0509S5H, KF0509B5L, KF0509B5M, KF0509B5H, KF0509B5LD, KF0509B5MD, KF0509B5HD, KB3508S5M, KB3508S5H, KB3508B5M, KB3508B5H, KB4509S5M, KB4509S5H, KB4509B5M, KB4509B5H, KF0210S1L, KF0210S1M, KF0210S1H, KF0210B1L, KF0210B1M, KF0210H5L, KF0210H5M, KF0210H5H, KF0210F5L, KF0210F5M, KF0210F5H, KF0210H1L, KF0210H1M, KF0210H1H, KF0210F1L, KF0210F1M, KF0210F1H, KF0310H5L, KF0310H5M, KF0310H5H, KF0310F5L, KF0310F5M, KF0310F5H, KF0310H1L, KF0310H1M, KF0310H1H, KF0310F1L, KF0310F1M, KF0310F1H, KF0410H1L, KF0410H1M, KF0410H1H, KF0410F1L, KF0410F1M, KF0410F1H, KF0410H5L, KF0410H5M, KF0410H5H, KF0410F5L, KF0410F5M, KF0410F5H, KF0510C1H, KF0510H1L, KF0510H1M, KF0510H1H, KF0510F1L, KF0510F1M, KF0510F1H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Model KF0xyz, where x may be 420, 515 or 610, y may be B1, B2, B5, S1, S2 or S5 and z may be H, HC, HD, HS, L, LC, LD, LS, M, MC, MD or MS; Model KF123xyz, where x may be 2 or 8, y may be B1, B2, B5, S1, S2 or S4 and z may be H, HA, L, LA, M or MA; Model MF0xyz where x may be 410 or 510, y may be B1, B5, S1 or S5 and z may be H, HC, HD, HS, L, LC, LD, LS, M, MC, MD or MS.

Models KF0210S5L, KF0210S5M, KF0210S5H, KF0210B5L, KF0210B5M, KF0210B5H, KF0210C5L, KF0210C5M, KF0210C5H, KF0210S1L, KF0210S1M, KF0210S1H, KF0210B1L, KF0210B1M, KF0210B1H, KF0210C1L, KF0210C1M, KF0210C1H, KF0310S5L, KF0310S5M, KF0310S5H, KF0310B5L, KF0310B5M, KF0310B5H, KF0310C5L, KF0310C5M, KF0310C5H, KF0310S1L, KF0310S1M, KF0310S1H, KF0310B1L, KF0310B1M, KF0310B1H, KF0310C1L, KF0310C1M, KF0310C1H, KF0410S1L, KF0410S1M, KF0410S1H, KF0410B1L, KF0410B1M, KF0410B1H, KF0410C1L, KF0410C1M, KF0410C1H, KF0410S5L, KF0410S5M, KF0410S5H, KF0410B5L, KF0410B5M, KF0410B5H, KF0410C5L, KF0410C5M, KF0410C5H, KF0510S1L, KF0510S1M, KF0510S1H, KF0510B1L, KF0510B1M, KF0510B1H, KF0510C1L, KF0510C1M, KF0510C1H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models KF0306S1M, KF0306S1H, KF0306C1H, KF0306C1S, KF0306S5M, KF0306S5H, KF0306C5M, KF0306C5H, KF0409S1L, KF0409S1M, KF0409S1H, KF0409B1L, KF0409B1M, KF0409B1H, KF0409C1L, KF0409C1M, KF0409C1H, KF0409S5L, KF0409S5M, KF0409S5H, KF0409B5L, KF0409B5M, KF0409B5H, KF0409C5L, KF0409C5M, KF0409C5H, KF0509S5L, KF0509S5M, KF0509S5H, KF0509B5L, KF0509B5M, KF0509B5H, KF0509C5L, KF0509C5M, KF0509C5H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models KF0510S5L, KF0510S5M, KF0510S5H, KF0510C5L, KF0510C5M, KF0510C5H, KF0510B5L, KF0510B5M, KF0510B5H, KF0515S5H, KF0515S5M, KF0515S5L, KF0515C5L, KF0515C5M, KF0515C5H, KF0515B5L, KF0515B5M, KF0515B5H, KF0509B1H, KF0509B1L, KF0509B1M, KF0509S1H, KF0509S1L, KF0509S1M, KF0509C1H, KF0509C1L, KF0509C1M, KF0515S1L, KF0515S1M, KF0515S1H, KF0515C1L, KF0515C1M, KF0515C1H, KF0515B1L, KF0515B1M, KF0515B1H, KF0625S1L, KF0625S1M, KF0625S1H, KF0625C1L, KF0625C1M, KF0625C1H, KF0625B1L, KF0625B1M, KF0625B1H, KF0510F5L, KF0510F5M, KF0510F5H, KF0510H5L, KF0510H5M, KF0510H5H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models KF0407C1H, KF0407S1H, KF0407C1M, KF0407S1M, KF0407C5H, KF0407S5H, KF0407C5M, KF0407S5M, KF0C07C1H, KF0C07S1H, KF0C07C1M, KF0C07S1M, KF0C07C5H, KF0C07S5H, KF0C07C5M, KF0C07S5M, KF0420B1L, KF0420S1L, KF0420B1M, KF0420S1M, KF0420B1H, KF0420S1H, KF0420B5L, KF0420S5L, KF0420B5M, KF0420S5M, KF0420B5H, KF0420S5H, KF0610S1H, KF0610C1H, KF0610B1H, KF0610C1M, KF0610B1M, KF0610S1M, KF0610C1L, KF0610B1L, KF0610S1L KF0420C1L, KF0420H1L, KF0420F1L, KF0420C1M, KF0420H1M, KF0420F1M, KF0420C1H, KF0420H1H, KF0420F1H, KF0420C5L, KF0420H5L, KF0420F5L, KF0420C5M, KF0420H5M, KF0420F5M, KF0420C5H, KF0420H5H, KF0420F5H, KF0610H1H, KF0610H1M, KF0610H1L, KF0610F1H, KF0610F1M, KF0610F1L. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models JF0515(A1)1(B)XXX, JF0515(A1)2(B)XXX, JF0615(A)5(C)XXX, JF0615(A)1(D)XXX, JF0615(A)2(D)XXX, JF0620(A)1(D)XXX, JF0620(A)2(D)XXX, JF0625(A1)1(E)XXX, JF0625(A1)2(E)XXX, JF0625(A)4(F)XXX, JF0825(A1)1(D)XXX, JF0825(A1)2(E)XXX, JF0825(A1)4(G)XXX, JF0925(A1)1(D)XXX, JF0925(A1)2(D)XXX, JF0925(A1)4(I)XXX, JF1225(A1)1(D)XXX, JF1225(A1)2(D)XXX, JF1225(A1)4(F)XXX, where (A) may be B, C or S, (B) may be H, M, L or E, (C) may be H, M, L, E or V, (D) may be U or S, (E) may be T, U or S, (F) may be U, S, H, M, L or E, (G) may be U, S, H, M or L, (H) may be S, H, M or L, (I) may be S, H, M, L or E and "X" may be 0 thru 9, A thru Z, blank or "-", (A1) may be B, C, S, H or F.

Models KF0420(A)2(B)(C), KF1225(A)1(D)(C), where (A) may be B, S, C, F or H, (B) may be L, M, H or S, (D) may be V, E, L, M or H and (C) may be XXX, where X may be 0 thru 9, A thru Z, "-" or blank.

Models LF0825(a)1(c)(f)(g)(h)(i)(j), LF0925(b)1(c)(f)(g)(h)(i)(j), LF1225(b)1(e)(f)(g)(h)(i)(j) series, where (a) may be S, B or C, (b) may be S or B, (c) may be S, H, M, L or E, (d) may be H, M, L or E, (e) may be H, M, L, E or V, (f) may be "-" or 0 thru 9 or A thru Z, (g) may be 0 thru 4, (h) may be "-" or 0 thru 9 or A thru Z, (i) may be blank, "-" or 0 thru 9 or A thru Z, (j) may be blank, "-" or 0 thru 9 or A thru Z.

Models KF0B10(b)5(r1)(xy)(z), KF0B10(b)1(r1)(xy)(z), KF0410(b)2(r6)(xy)(z), KF0510(b)2(r2)(xy)(z), KF0610(b)5(r3)(xy)(z), KF0615(b)5(r3)(xy)(z), KF0615(b)1(r4)(xy)(z), KF0615(b)2(r4)(xy)(z), KF0620(b)1(r5)(xy)(z), KF0620(b)2(r5)(xy)(z), KF0715(b)1S(xy)(z), KF0715(b)1(r2)(xy)(z), KF0820(b)1(r7)(xy)(z), KF0820(b)2(r7)(xy)(z), KF1225(b)2(r2)(xy)(z), JF0815(b)1(r8)(xy)(z), JF0815(b)2(r8)(xy)(z), JF1238(b)1(r1)(xy)(z), JF1238(b)2(r1)(xy)(z), JF1238(b)4(r6)(xy)(z) series, where (b) may be S, B, C, H or F, (r1) may be S, H, M, L or E, (r2) may be H, M or L, (r3) may be M, L, E or V, (r4) may be U, S, H, M, L, E or V, (r5) may be S, H, M, L, E or V, (r6) may be S, H, M or L, (r7) may be U, S, H, M, L or E, (r8) may be U, S, H, M or L, (xy) is alphanumeric combination of two digits and/or alphacets, each may be blank, "-", A thru Z or 0 thru 9, (z) may be blank, "-", A thru Z or 0 thru 9.

Models JF1238(b)1(w)(x)(y)(z), JF1238(b)2(w)(x)(y)(z), JF1238(b)4(w)(x)(y)(z), JF1425(b)1(v)(x)(y)(z), JF1425(b)2(v)(x)(y)(z) series, where (b) may be S, B, H or F, (w) may be T or U, (v) may be U, S, H, M, L or E, (x), (y) and (z) may be blank, "-", A thru Z or 0 thru 9.

Models JB055101(u)(w)(x)(y)(z), JB055105(v)(w)(x)(y)(z) series, where (u) may be H, M or L, (v) may be M or L, (w) may be B, S, C, H or F, (x), (y) and (z) may be A through Z, 0 through 9, blank, or "-".

Marking: Company name, "E156480", trademark JAMICON or JAMICON® and model designation.

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KAIMEI ELECTRONIC CORP E156480
13TH
81 HSIN-TAI-WU RD, SEC 1
HSICHIH, TAIPEI HSIEN 221 TAIWAN

AC fans, Models MA0825H2Bzz, MA0825H2Szz, MA0825M2Bzz, MA0825M2Szz, MA0838H2Bzz, MA083H2Szz, MA0838M2Bzz, MA0838M2Szz, MA0925H2Bzz, MA0925H2Szz, MA0925M2Bzz, MA0925M2Szz, MA0938H2Bzz, MA0938H2Szz, MA0938M2Bzz, MA0938M2Szz, KA0938H2Bzz, KA0938H2Szz, KA0938M2Bzz, KA0938M2Szz, MA1225H2Bzz, MA1225H2Szz, MA1225M2Bzz, MA1225M2Szz, KA1338H2Bzz, KA1338H2Szz, KA1338M2Bzz, KA1338M2Szz, KA1338L2Bzz, KA1338L2Szz, MA1338H2Bzz, MA1338H2Szz, MA1338M2Bzz, MA1338M2Szz, MA2260H2Bzz, MA0825H1Bzz, MA0825H1Szz, MA0825M1Bzz, MA0825M1Szz, MA0838H1Bzz, MA0838H1Szz, MA0838M1Bzz, MA0838M1Szz, MA0925H1Bzz, MA0925H1Szz, MA0925M1Bzz, MA0925M1Szz, MA0938H1Bzz, MA0938H1Szz, MA0938M1Bzz, MA0938M1Szz, KA0938H1Bzz, KA0938H1Szz, KA0938M1Bzz, KA0938M1Szz, MA1225H1Bzz, MA1225H1Szz, MA1225M1Bzz, MA1225M1Szz, KA1338H1Bzz, KA1338H1Sz, KA1338M1Bzz, KA1338M1Szz, KA1338L1Bzz, KA1338L1Szz, MA1338H1Bzz, MA1338H1Szz, MA1338M1Bzz, MA1338M1Szz, MA2260H1Bzz.

Models JA1751H1, JA1751H2, JA1238H1, JA1238H2, JA1238-1H1, JA1238-1H2, JA1225H1, JA1225H2, JA0925H1, JA0925H2, JA0838H1, JA0838H2, JA0825H1, JA0825H2.

Model KAX (A) (B) X_1 and/or X_2, where X may be 0825, 0838, 0925, 1225, 1238 or 1751, (A) may be H1, H2, M1, M2, L1 or L2, (B) may be B or S and X_1, X_2 may be 0 thru 9, A thru Z, blank or "-"; Model MAX (A) (B) X_1 and/or X_2, where X may be 1238, 1538, 1738, 1751, 1755 or 2589, (A) may be H1, H2, M1 or M2, (B) may be B, S and X_1, X_2 may be 0 thru 9, A thru Z or "-".

Models JA1238(a)(c)(b)(x)(y), JA1238HD(b)(x)(y), KA1238(a)(c)(b)(x)(y), KA1238HD(b)(x)(y) series, where (a) may be H, M or L, (c) may be 1 or 2, (b) may be B or S, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

Models JA1225H1(b)(x)(y), JA1225L1(b)(x)(y), JA0925H1(b)(x)(y), JA0838H1(b)(x)(y), JA0825H1(b)(x)(y), JA1225H2(b)(x)(y), JA1225L2(b)(x)(y), JA0925H2(b)(x)(y), JA0838H2(b)(x)(y), JA0825H2(b)(x)(y) series, where (b) may be B or S, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

Models JA1751H1(b)(x)(y), JA1751H2(b)(x)(y) series, where (b) may be S or B, (x) and (y) may be blank, "-", 0 thru 9 or A thru Z.

DC fans Models JF0207, JF0307, JF0407 followed by B or S, followed by -1HX, -1LX, -1MX, -5HX, -5LM or -5MX; Model JF0210 followed by B, C or S, followed by -5LXXX; Model JF0410 followed by B, C or S, followed by -1XXX, -1MXXX, -1HXXX or -5MXXX; Model JF0413 followed by B, C or S, followed by -1MXXX or -1HXXX; Model JF0512 followed by B, C or S, followed by -1LXXX or -1MXXX; Model JF0615 followed by B, C or S, followed by -1HXXX, -1LXXX or -1MXXX, -1EXXX, -1VXXX; Model JF0620 followed by B, C or S, followed by 1VXXX, -1EXXX, 1LXXX, -1MXXX, -1HXXX, -2VXXX, -2EXXX, -2LXXX, -2HXXX or -2MXXX; Model JF0625 followed by B, C or S, followed by -1VXXX, -1EXXX, -1LXXX, -1MXXX, -1HXXX, -2VXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JF0825 followed by B, C, H, F or S, followed by -1EXXX, -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; where "X" may be 0 thru 9, A thru Z, "-" or blank; Model JF0925 followed by B, C, H, F or S, followed by 1EXXX, -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JF1225 followed by B, C, H, F or S, followed by -1EXXX -1LXXX, -1MXXX, -1HXXX, -2EXXX, -2LXXX, -2MXXX or -2HXXX; Model JH0410S1.

Model JF0615(X)2(Y)XXX, where (X) may be S, B or C and (Y) may be H, M, L, E or V.

Models JF0210(X)1H(Y), JF0210(X)1M(Y), JF0210(X)5H(Y), JF0210(X)5L(Y), JF0210(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models JF0310(X)1H(Y), JF0310(X)1L(Y), JF0310(X)1M(Y), JF0310(X)5H(Y), JF0310(X)5L(Y), JF0310(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models JF0A08(X)5H(Y), JF0A08(X)5L(Y), JF0A08(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or

blank.

Models JF0B10(X)1H(Y), JF0B10(X)1L(Y), JF0B10(X)1M(Y), JF0B10(X)5H(Y), JF0B10(X)5L(Y), JF0B10(X)5M(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Model JF1751(X)4S(Y), where (X) may be B, C or S and (Y) may be 0 thru 9, A thru Z or blank.

Models KF0210S5L, KF0210S5M, KF0210S5H, KF0210B5L, KF0210B5M, KF0210B5H, KF0210B5LD, KF0210B5MD, KF0210B5HD, KF0310S5L, KF0310S5M, KF0310B5L, KF0310B5M, KF0310B5H, KF0310B5LD, KF0310B5MD, KF0310B5HD, KF0410S5L, KF0410S5M, KF0410S5H, KF0410B5L, KF0210B1H, KF0210B1LD, KF0210B1MD, KF0210B1HD, KF0310S1L, KF0310S1M, KF0310S1H, KF0310B1L, KF0310B1M, KF0310B1H, KF0310B1LD, KF0310B1MD, KF0310B1HD, KF0410S1L, KF0410S1M, KF0410S1H, KF0410B1L, KF0410B1M, KF0410B1H, KF0410B1LD, KF0410B1MD, KF0410B1HD, KF0306S1M, KF0306S1H, KF0306B1M, KF0306B1H, KF0406S1M, KF0406S1H, KF0406B1M, KF0406B1H, KF0409S1L, KF0409S1M, KF0409S1H, KF0409B1L, KF0409B1M, KF0409B1H, KF0409B1LD, KF0409B1MD, KF0409B1HD, KF0510S1L, KF0510S1M, KF0510S1H, KF0510B1L, KF0510B1M, KF0510B1H, KF0510B1LD, KF0510B1MD, KF0510B1HD, KB3508S1M, KB3509S1H, KB3508B1M, KB3508B1H, KB4509S1M, KB4509S1H, KB4509B1M, KB4509B1H, KF0410B5M, KF0410B5H, KF0410B5LD, KF0410B5MD, KF0410B5HD, KF0306S5M, KF0306S5H, KF0306B5M, KF0306B5H, KF0406S5M, KF0406S5H, KF0406B5M, KF0406B5H, KF0409S5L, KF0409S5M, KF0409S5H, KF0409B5L, KF0409B5M, KF0409B5H, KF0409B5LD, KF0409B5MD, KF0409B5HD, KF0509S5L, KF0509S5M, KF0509S5H, KF0509B5L, KF0509B5M, KF0509B5H, KF0509B5LD, KF0509B5MD, KF0509B5HD, KB3508S5M, KB3508S5H, KB3508B5M, KB3508B5H, KB4509S5M, KB4509S5H, KB4509B5M, KB4509B5H, KF0210S1L, KF0210S1M, KF0210S1H, KF0210B1L, KF0210B1M, KF0210H5L, KF0210H5M, KF0210H5H, KF0210F5L, KF0210F5M, KF0210F5H, KF0210H1L, KF0210H1M, KF0210H1H, KF0210F1L, KF0210F1M, KF0210F1H, KF0310H5L, KF0310H5M, KF0310H5H, KF0310F5L, KF0310F5M, KF0310F5H, KF0310H1L, KF0310H1M, KF0310H1H, KF0310F1L, KF0310F1M, KF0310F1H, KF0410H1L, KF0410H1M, KF0410H1H, KF0410F1L, KF0410F1M, KF0410F1H, KF0410H5L, KF0410H5M, KF0410H5H, KF0410F5L, KF0410F5M, KF0410F5H, KF0510C1H, KF0510H1L, KF0510H1M, KF0510H1H, KF0510F1L, KF0510F1M, KF0510F1H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A-Z, 0 9, "-" or blank.

Model KF0xyz, where x may be 420, 515 or 610, y may be B1, B2, B5, S1, S2 or S5 and z may be H, HC, HD, HS, L, LC, LD, LS, M, MC, MD or MS; Model KF123xyz, where x may be 2 or 8, y may be B1, B2, B5, S1, S2 or S4 and z may be H, HA, L, LA, M or MA; Model MF0xyz where x may be 410 or 510, y may be B1, B5, S1 or S5 and z may be H, HC, HD, HS, L, LC, LD, LS, M, MC, MD or MS.

Models KF0210S5L, KF0210S5M, KF0210S5H, KF0210B5L, KF0210B5M, KF0210B5H, KF0210C5L, KF0210C5M, KF0210C5H, KF0210S1L, KF0210S1M, KF0210S1H, KF0210B1L, KF0210B1M, KF0210B1H, KF0210C1L, KF0210C1M, KF0210C1H, KF0310S5L, KF0310S5M, KF0310S5H, KF0310B5L, KF0310B5M, KF0310B5H, KF0310C5L, KF0310C5M, KF0310C5H, KF0310S1L, KF0310S1M, KF0310S1H, KF0310B1L, KF0310B1M, KF0310B1H, KF0310C1L, KF0310C1M, KF0310C1H, KF0410S1L, KF0410S1M, KF0410S1H, KF0410B1L, KF0410B1M, KF0410B1H, KF0410C1L, KF0410C1M, KF0410C1H, KF0410S5L, KF0410S5M, KF0410S5H, KF0410B5L, KF0410B5M, KF0410B5H, KF0410C5L, KF0410C5M, KF0410C5H, KF0510S1L, KF0510S1M, KF0510S1H, KF0510B1L, KF0510B1M, KF0510B1H, KF0510C1L, KF0510C1M, KF0510C1H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models KF0510S5L, KF0510S5M, KF0510S5H, KF0510C5L, KF0510C5M, KF0510C5H, KF0510B5L, KF0510B5M, KF0510B5H, KF0515S5H, KF0515S5M, KF0515S5L, KF0515C5L, KF0515C5M, KF0515C5H, KF0515B5L, KF0515B5M, KF0515B5H, KF0509B1H, KF0509B1L, KF0509B1M, KF0509S1H, KF0509S1L, KF0509S1M, KF0509C1H, KF0509C1L, KF0509C1M, KF0515S1L, KF0515S1M, KF0515S1H, KF0515C1L, KF0515C1M, KF0515C1H, KF0515B1L, KF0515B1M, KF0515B1H, KF0625S1L, KF0625S1M, KF0625S1H, KF0625C1L, KF0625C1M, KF0625C1H, KF0625B1L, KF0625B1M, KF0625B1H, KF0510F5L, KF0510F5M, KF0510F5H, KF0510H5L, KF0510H5M, KF0510H5H. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models KF0407C1H, KF0407S1H, KF0407C1M, KF0407S1M, KF0407C5H, KF0407S5H, KF0407C5M, KF0407S5M, KF0C07C1H, KF0C07S1H, KF0C07C1M, KF0C07S1M, KF0C07C5H, KF0C07S5H, KF0C07C5M, KF0C07S5M, KF0420B1L, KF0420S1L, KF0420B1M, KF0420S1M, KF0420B1H, KF0420S1H, KF0420B5L, KF0420S5L, KF0420B5M, KF0420S5M, KF0420B5H, KF0420S5H, KF0610S1H, KF0610C1H, KF0610B1H, KF0610C1M, KF0610B1M, KF0610S1M, KF0610C1L, KF0610B1L, KF0610S1L, KF0420C1L, KF0420H1L, KF0420F1L, KF0420C1M, KF0420H1M, KF0420F1M, KF0420C1H, KF0420H1H, KF0420F1H, KF0420C5L, KF0420H5L, KF0420F5L, KF0420C5M, KF0420H5M, KF0420F5M, KF0420C5H, KF0420H5H, KF0420F5H, KF0610H1H, KF0610H1M, KF0610H1L, KF0610F1H, KF0610F1M, KF0610F1L. All models may have optional suffix "x4x5x6", where "x4", "x5" and "x6" may be A thru Z, 0 thru 9, "-" or blank.

Models JF0515(A1)1(B)XXX, JF0515(A1)2(B)XXX, JF0615(A)5(C)XXX, JF0615(A)1(D)XXX, JF0615(A)2(D)XXX, JF0620(A)1(D)XXX, JF0620(A)2(D)XXX, JF0625(A1)1(E)XXX, JF0625(A1)2(E)XXX, JF0625(A1)4(F)XXX, JF0825(A1)1(D)XXX, JF0825(A1)2(E)XXX, JF0825(A1)4(G)XXX, JF0925(A1)1(D)XXX, JF0925(A1)2(D)XXX, JF0925(A1)4(I)XXX, JF1225(A1)1(D)XXX, JF1225(A1)2(D)XXX, JF1225(A1)4(F)XXX, where (A) may be B, C or S, (B) may be H, M, L or E, (C) may be H, M, L, E or V, (D) may be U or S, (E) may be T, U or S, (F) may be U, S, H, M, L or E, (G) may be U, S, H, M or L, (H) may be S, H, M or L, (I) may be S, H, M, L or E and "X" may be 0 thru 9, A thru Z, blank or "-" , (A1) may be B, C, S, H or F.

Models KF0420(A)2(B)(C), KF1225(A)1(D)(C), where (A) may be B, S, C, F or H, (B) may be L, M, H or S, (D) may be V, E, L, M or H and (C) may be XXX, where X may be 0 thru 9, A thru Z, "-" or blank.

Models LF0825(a)1(c)(f)(g)(h)(i)(j), LF0925(b)1(d)(f)(g)(h)(i)(j), LF1225(b)1(e)(f)(g)(h)(i)(j) series, where (a) may be S, B or C, (b) may be S or B, (c) may be S, H. M, L or E, (d) may be H. M, L or E, (e) may be H. M, L, E or V, (f) may be "-" or 0 thru 9 or A thru Z, (g) may be 0 thru 4, (h) may be "-" or 0 thru 9 or A thru Z, (i) may be blank, "-" or 0 thru 9 or A thru Z, (j) may be blank, "-" or 0 thru 9 or A thru Z.

Models KF0810(b)5(r1)(xy)(z), KF0810(b)1(r1)(xy)(z), KF0410(b)2(r6)(xy)(z), KF0510(b)2(r2)(xy)(z), KF0610(b)5(r3)(xy)(z), KF0615(b)5(r3)(xy)(z), KF0615(b)1(r4)(xy)(z), KF0615(b)2(r4)(xy)(z), KF0620(b)1(r5)(xy)(z), KF0620(b)2(r5)(xy)(z), KF0715(b)1S(xy)(z), KF0715(b)1(r2)(xy)(z), KF0820(b)1(r7)(xy)(z), KF0820(b)2(r7)(xy)(z), KF1225(b)2(r2)(xy)(z), JF0815(b)1(r8)(xy)(z), JF0815(b)2(r8)(xy)(z), JF1238(b)1(r1)(xy)(z), JF1238(b)2(r1)(xy)(z), JF1238(b)4(r6)(xy)(z) series, where (b) may be S, B, C, H or F, (r1) may be S, H, M, L or E, (r2) may be H, M or L, (r3) may be M, L, E or V, (r4) may be U, S, H, M, L, E or V, (r5) may be S, H, M, L, E or V, (r6) may be S, H, M or L, (r7) may be U, S, H, M, L or E, (r8) may be U, S, H, M or L, (xy) is alphanumeric combination of two digits and/or alphabets, each may be blank, "-", A thru Z or 0 thru 9; (z) may be blank, "-", A thru Z or 0 thru 9.

Models JF1238(b)1(w)(x)(y)(z), JF1238(b)2(w)(x)(y)(z), JF1238(b)4(w)(x)(y)(z), JF1425(b)1(v)(x)(y)(z), JF1425(b)2(v)(x)(y)(z) series, where (b) may be S, B, H or F, (w) may be T or U, (v) may be U, S, H, M, L or E, (x), (y) and (z) may be blank, "-", A thru Z or 0 thru 9.

Models JB055101(u)(w)(x)(y)(z), JB055105(v)(w)(x)(y)(z) series, where (u) may be H, M or L, (v) may be M or L, (w) may be B, S, C, H or F, (x), (y) and (z) may be A through Z, 0 through 9, blank, or "-".

Marking: Company name, model designation and Recognized Component Mark for Canada, c RU.
Last Updated on 2010-01-26

Questions? Notice of Disclaimer Page Top

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 10 07 38493 025

Holder of Certificate: **Kaimei Electronic Corp.**
13F, No. 81, Sec. 1, Hsin-Tai-Wu Rd.,
221 Hsichih, Taipei Hsien
TAIWAN

Certification Mark:

Product: **Component fan**
(Component DC Fan)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 612101056501

Date, 2010-07-09
Page 1 of 4

(Bill Lin)

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TÜV SÜD Product Service GmbH · Zertifizierstelle · Ridlerstraße 65 · 80339 München · Germany

TÜV®

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE
No. B 10 07 38493 025

Model(s):

KF0210 Series, KF0310 Series,
KF0B10 Series, KF0410 Series
Difference

KF	02	10	b	p	r	xyz
A	B	C	D	E	F	G

A - Product Serial
KF Series
B - Frame size
"02" : 25 x 25 mm
"03" : 30 x 30 mm
"0B" : 35 x 35 mm
"04" : 40 x 40 mm
C - Frame thickness
"10" : 10 mm
D - Bearing type
"b" can be S, B, C, H or F
"B" : Dual Ball bearing
"S" : Sleeve bearing
"C" : Ball + Sleeve bearing
"H" : High temperature and life sleeve bearing
"F" : Free Wheel Bearing
E - Input voltage
"p" can be 5, 1 or 2
"5" : 5 Vdc
"1" : 12 Vdc
"2" : 24 Vdc
F - Fan speed
"r" can be S, H, M, L or E
"S" : Super High speed
"H" : High speed
"M" : Middle speed
"L" : Low speed
"E" : Extra Low speed
G - Marketing Code
"xyz" may be "-", 0-9 or A-Z and has 1-3 digits
for marketing purpose

Parameters:

Rated input voltage:	5, 12 or 24 Vdc
Rated input current:	See attachment
Protection class:	III
Max. ambient temperature:	25 °C
Degree of protection against ingress of liquids:	Ordinary

Remark: When installing, all requirements of below mentioned test standards must be fulfilled.

Tested according to: EN 60950-1/A11:2009

Production Facility(ies): 48576

Page 2 of 4

Bill Li

A1 /

Attachment to the Certificate No. B 10 07 38493 025

Taiwan

The following models of the Component DC Fan "KF0210 Series, KF0310 Series, KF0B10 Series, KF0410 Series" will be covered by above certificate:

Model-#	DC Rating	Model-#	DC Rating
KF0210S5Lxyz	5V/0.7W	KF0210S1Lxyz	12V/1.2W
KF0210S5Mxyz	5V/1.0W	KF0210S1Mxyz	12V/1.3W
KF0210S5Hxyz	5V/1.1W	KF0210S1Hxyz	12V/1.5W
KF0210B5Lxyz	5V/0.5W	KF0210C1Lxyz	12V/0.7W
KF0210B5Mxyz	5V/0.8W	KF0210C1Mxyz	12V/0.8W
KF0210B5Hxyz	5V/1.0W	KF0210C1Hxyz	12V/1.4W
KF0210C5Lxyz	5V/0.5W	KF0210B1Lxyz	12V/0.7W
KF0210C5Mxyz	5V/0.8W	KF0210B1Mxyz	12V/0.8W
KF0210C5Hxyz	5V/1.0W	KF0210B1Hxyz	12V/1.6W
KF0210H5Lxyz	5V/0.7W	KF0210H1Lxyz	12V/1.2W
KF0210H5Mxyz	5V/1.0W	KF0210H1Mxyz	12V/1.3W
KF0210H5Hxyz	5V/1.1W	KF0210H1Hxyz	12V/1.6W
KF0210F5Lxyz	5V/0.7W	KF0210F1Lxyz	12V/1.2W
KF0210F5Mxyz	5V/1.0W	KF0210F1Mxyz	12V/1.3W
KF0210F5Hxyz	5V/1.1W	KF0210F1Hxyz	12V/1.6W
KF0310S5Lxyz	5V/0.6W	KF0310S1Lxyz	12V/0.7W
KF0310S5Mxyz	5V/1.0W	KF0310S1Mxyz	12V/1.3W
KF0310S5Hxyz	5V/1.1W	KF0310S1Hxyz	12V/1.5W
KF0310B5Lxyz	5V/0.5W	KF0310B1Lxyz	12V/0.7W
KF0310B5Mxyz	5V/0.9W	KF0310B1Mxyz	12V/1.3W
KF0310B5Hxyz	5V/1.0W	KF0310B1Hxyz	12V/1.4W
KF0310C5Lxyz	5V/0.5W	KF0310C1Lxyz	12V/0.7W
KF0310C5Mxyz	5V/0.9W	KF0310C1Mxyz	12V/1.3W
KF0310C5Hxyz	5V/1.0W	KF0310C1Hxyz	12V/1.4W
KF0310H5Lxyz	5V/0.6W	KF0310H1Lxyz	12V/0.7W
KF0310H5Mxyz	5V/1.0W	KF0310H1Mxyz	12V/1.3W
KF0310H5Hxyz	5V/1.1W	KF0310H1Hxyz	12V/1.5W
KF0310F5Lxyz	5V/0.6W	KF0310F1Lxyz	12V/0.7W
KF0310F5Mxyz	5V/1.0W	KF0310F1Mxyz	12V/1.3W
KF0310F5Hxyz	5V/1.1W	KF0310F1Hxyz	12V/1.5W
KF0B10b5Exyz	5V/0.4W	KF0B10b1Exyz	12V/0.6W
KF0B10b5Lxyz	5V/0.5W	KF0B10b1Lxyz	12V/0.8W
KF0B10b5Mxyz	5V/0.8W	KF0B10b1Mxyz	12V/1.0W
KF0B10b5Hxyz	5V/1.1W	KF0B10b1Hxyz	12V/1.2W
KF0B10b5Sxyz	5V/1.2W	KF0B10b1Sxyz	12V/1.7W

Note: Above "b" may be S, B, C, H or F;
"xyz" may be "-", 0-9 or A-Z and has 1-3 digits for marketing purpose

Difference

KF	02	10	b	p	r	xyz
A	B	C	D	E	F	G

A – Product Serial
"KF" Series

B – Frame Size
"02" : 25 x 25 mm
"03" : 30 x 30 mm
"0B" : 35 x 35 mm
"04" : 40 x 40 mm

C – Frame Thickness
"10" : 10 mm

D – Bearing Type
"b" can be S, B, C, H or F
"S" : Sleeve bearing
"B" : Dual Ball bearing
"C" : Ball + Sleeve bearing
"H" : High temperature and Long life sleeve bearing
"F" : Free Wheel Bearing

E – Input Voltage
"p" can be 5, 1 or 2
"5" : 5 Vdc
"1" : 12 Vdc
"2" : 24 Vdc

F – Fan Speed
"r" can be S, H, M, L or E
"S" : Super High speed
"H" : High speed
"M" : Middle speed
"L" : Low speed
"E" : Extra Low speed

G – Optional Marketing Code
"xyz" may be "-", 0-9 or A-Z and has 1-3 digits for marketing purpose

TÜV SÜD ASIA LTD. TÜV SÜD TAIWAN

Attachment to the Certificate No. B 10 07 38493 025

The following models of the Component DC Fan "KF0210 Series, KF0310 Series, KF0B10 Series, KF0410 Series" will be covered by above certificate:

Taiwan

Model-#	DC Rating	Model-#	DC Rating
KF0410S5Lxyz	5V/0.6W	KF0410S1Lxyz	12V/0.7W
KF0410S5Mxyz	5V/0.8W	KF0410S1Mxyz	12V/0.8W
KF0410S5Hxyz	5V/1.2W	KF0410S1Hxyz	12V/1.2W
KF0410C5Lxyz	5V/0.4W	KF0410C1Lxyz	12V/0.6W
KF0410C5Mxyz	5V/0.6W	KF0410C1Mxyz	12V/0.7W
KF0410C5Hxyz	5V/0.9W	KF0410C1Hxyz	12V/1.1W
KF0410B5Lxyz	5V/0.4W	KF0410B1Lxyz	12V/0.6W
KF0410B5Mxyz	5V/0.5W	KF0410B1Mxyz	12V/0.7W
KF0410B5Hxyz	5V/0.8W	KF0410B1Hxyz	12V/0.8W
KF0410H5Lxyz	5V/0.6W	KF0410H1Lxyz	12V/0.7W
KF0410H5Mxyz	5V/0.8W	KF0410H1Mxyz	12V/0.8W
KF0410H5Hxyz	5V/1.2W	KF0410H1Hxyz	12V/1.2W
KF0410F5Lxyz	5V/0.6W	KF0410F1Lxyz	12V/0.7W
KF0410F5Mxyz	5V/0.8W	KF0410F1Mxyz	12V/0.8W
KF0410F5Hxyz	5V/1.2W	KF0410F1Hxyz	12V/1.2W
KF0410b2Lxyz	24V/0.8W		
KF0410b2Mxyz	24V/1.0W		
KF0410b2Hxyz	24V/1.2W		
KF0410b2Sxyz	24V/1.4W		

Note: Above "b" may be S, B, C, H or F;
"xyz" may be "-", 0-9 or A-Z and has 1-3 digits for marketing purpose

Difference

KF	02	10	b	p	r	xyz
A	B	C	D	E	F	G

A – Product Serial
"KF" Series

B – Frame Size
"02" : 25 x 25 mm
"03" : 30 x 30 mm
"0B" : 35 x 35 mm
"04" : 40 x 40 mm

C – Frame Thickness
"10" : 10 mm

D – Bearing Type
"b" can be S, B, C, H or F
"S" : Sleeve bearing
"B" : Dual Ball bearing
"C" : Ball + Sleeve bearing
"H" : High temperature and Long life sleeve bearing
"F" : Free Wheel Bearing

E – Input Voltage
"p" can be 5, 1 or 2
"5" : 5 Vdc
"1" : 12 Vdc
"2" : 24 Vdc

F – Fan Speed
"r" can be S, H, M, L or E
"S" : Super High speed
"H" : High speed
"M" : Middle speed
"L" : Low speed
"E" : Extra Low speed

G – Optional Marketing Code
"xyz" may be "-", 0-9 or A-Z and has 1-3 digits for marketing purpose

Date: 2010-07-09

SUD ASIA LTD. TÜV SÜD TAIWAN

Testing Laboratory

Bill Lin

Bill Lin

CE

SPORTON LAB.

Certificate No: EC2D2008-03

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.

SPORTON LAB.

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

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

Certificate No: EC2D2008-03

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).**

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 B = Dual Ball, S = Sleeve, C = Ball + Sleeve, H = HTLS, F = Free Wheel

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

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Supervisor