

NEW PRODUCT SPEC SHEET

Model Number: I2

- Recommended for Intel® Socket G, PGA988 Processor
- Active Cooler for 1U Server & up

Overall Specification:

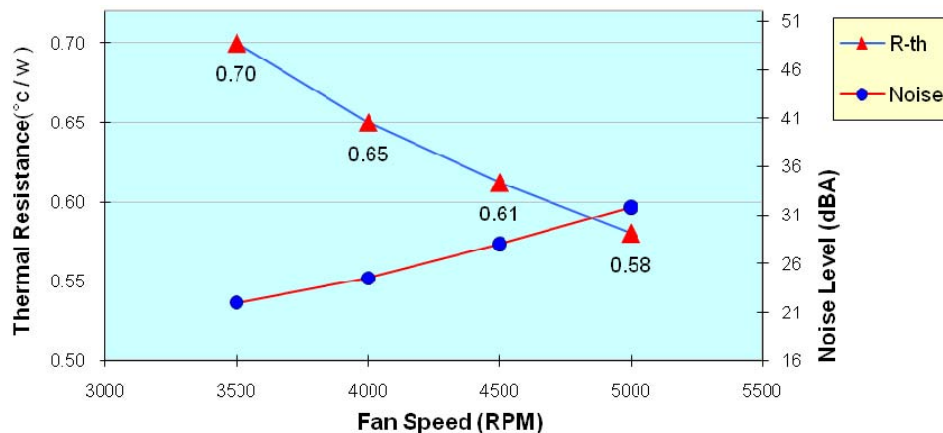
- Dimension: 60.0mm x 60.0mm x 26.5mm
- Cooler Mounting Pitch: 51.0 x 51.0mm
- Weight: 199±5g
- Material: Copper 1100 Skiving Fins
- Honeywell® PCM45F Thermal Pad
- Supports CPU Power up to 45 Watts

Fan Specification:

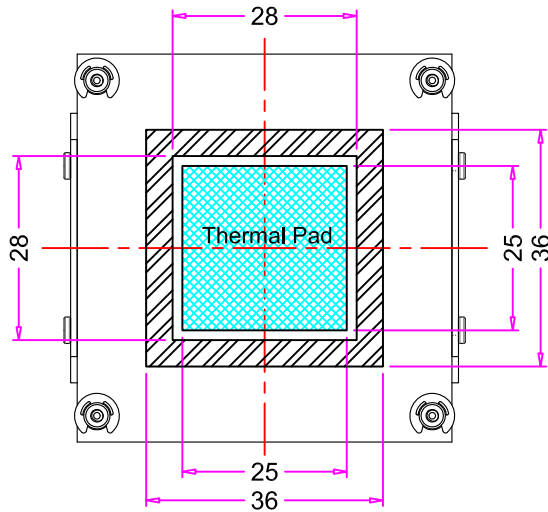
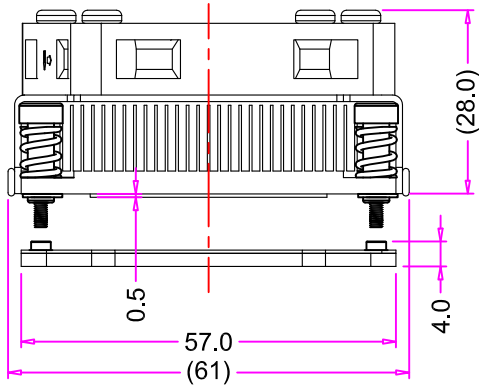
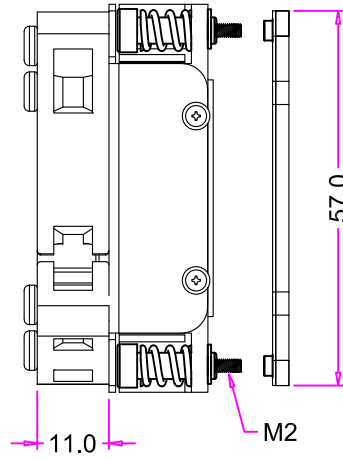
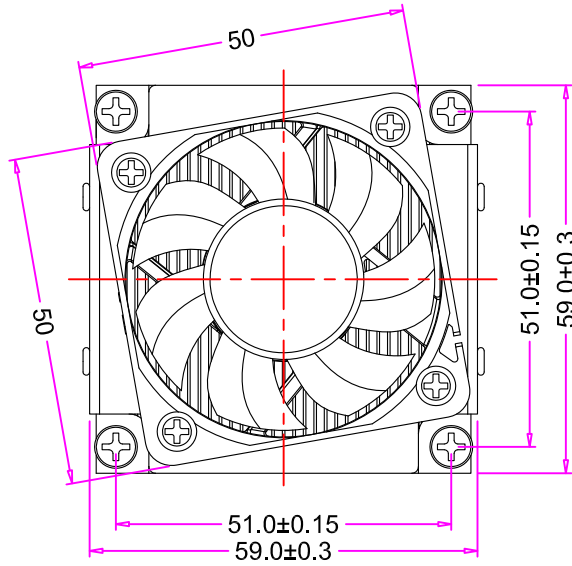
- Model# DF125010BH-3G
- Rated Speed: 5000±10% RPM
- Bearing: 2-Ball
- Rated Voltage: DC12V
- Rated Power: 2.8 Watts
- Maximum Airflow: 10.8 CFM
- Acoustical Noise: 31.8 dBA
- Lead Wire Pin Out:

Pin#1-Black (-) Pin#2-Red (+) Pin#3-White (Tachometer / Signal Output)

Active Cooler I2 Cooling Performance VS. Airflow & Noise:



ITEM#	DESCRIPTION	CHECKER	DATE
1	Initial Release	LANG	12 / 08 / 10
2	Sponge Size Change	LANG	01 / 20 / 12



	NAME	DATE
DRAWN BY	Engr.	01/20/2012
CHECKED BY	LANG	01/20/2012
ENG. APPROVED		
MFG. APPROVED	-	-



DYNATRON CORPORATION

TOP MOTOR

TITLE: PGA988 1U Active Cooler **i2**
Overall Dimension Drawing

CONFIDENTIAL DOCUMENT

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VIEW	
UNITS	MM

DWG. No:

DYN-DM- i2

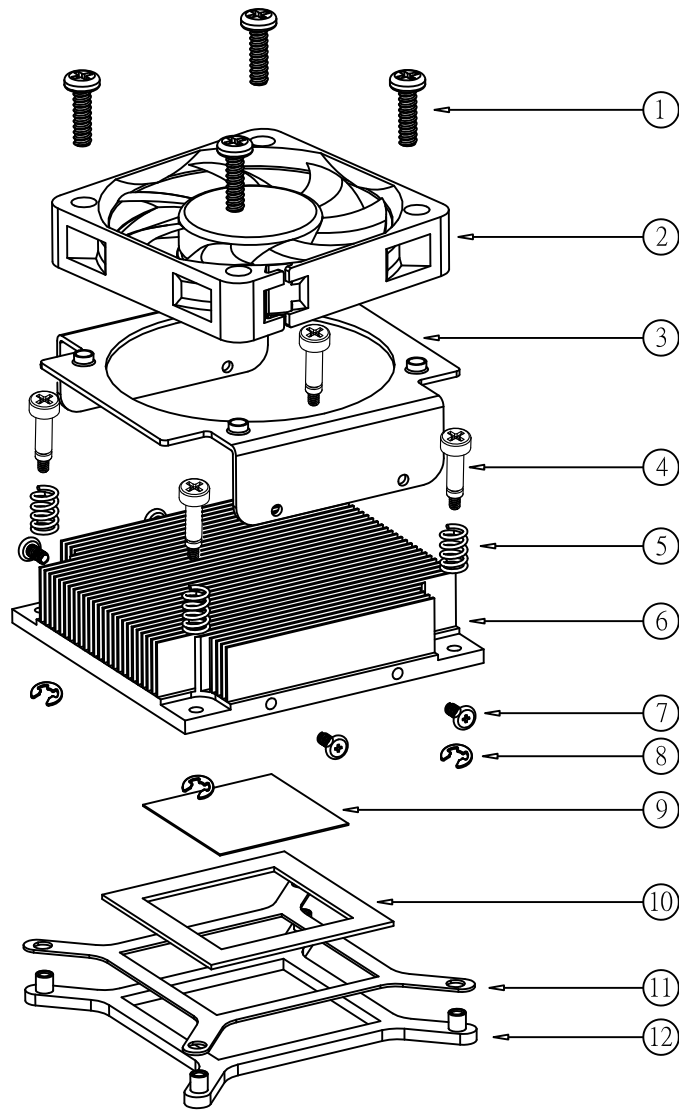
REV. **01**

CONFIDENTIAL DOCUMENT

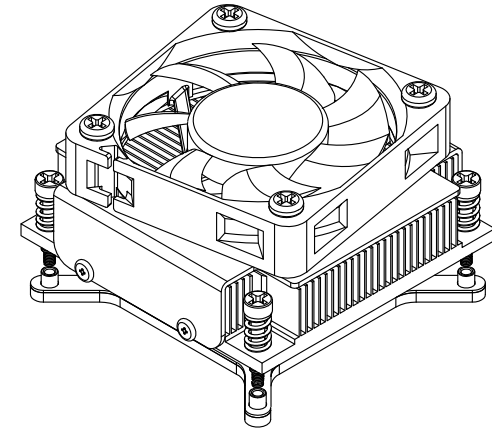
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ASSEMBLY PARTS

ITEM#	DESCRIPTION	CHECKER	DATE
1	Initial Release	LANG	12/08/2010
2	Sponge & Thermal Pad Size Change,8-D	LANG	01/20/2012



WHOLE SET OF COOLER



12	BACK PLATE	SPCC	1
11	INSULATOR	MYLAR	1
10	GASKET SPONGE	FOAM	1
9	THERMAL PAD	PCM45F, 25x25mm	1
8	C-RING	STEEL	4
7	SCREW, COVER	STEEL	4
6	HEATSINK, SKIVING FIN	COPPER 1100	1
5	SPRING	SWP	4
4	SCREW, HEATSINK	STEEL	4
3	COVER, FAN	ALUMINUM	1
2	FAN, DF125010BH -3G (5000RPM)	PLASTIC	1
1	SCREW, FAN	STEEL	4
ITEM#	DESCRIPTION	MATERIAL	QTY.

Notes:

1. The Figure is For Reference Only, and Not For Scale
2. Overall Dimension: 59.0x59.0x28.0 mm

DATE	NAME	DYNATRON CORPORATION <small>TOP MOTOR</small>	
DRAWN 01/20/12	SAM	TITLE: PGA988 1U Active Cooler <i>i2</i> BOM & Exploded Assembly Drawing	
CHECKED 01/20/12	LANG		
ENG. APPR.		DWG. No: DYN-EP- i2	
MFG. APPR.			
Q.A.			
COMMENTS:		REV	01



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TOP MOTOR TECHNOLOGY(HUIZHOU)CO,LTD

Specification for Approval

Customer:		
Model Number:	DF125010BH (50*50*10)	
Part Number:		
Issued Date:	Wednesday January 07, 2008	
Customer Approval		
Approval:	Check:	
Corporate Headquarters Dynatron Corporation 42307 Osgood Road, #F, Fremont, California 94539, U.S.A. Tel: 510-498-8888 Fax: 510-498-8488	Manufactory TOP MOTOR TECHNOLOGY(HUIZHOU)CO,LTD Baishi Village, Qiuchang Town, Huiyang Dist, Huizhou City, Guangdong Province, P.R. China Tel: 86-752-353-5591 (Rep.) Fax: 86-752-353-5592	
Los Angeles Office (U.S.A.) 337 Paseo Sonrisa, Walnut, California 91789 U.S.A. Tel: 909-598-2222 Fax: 909-598-8158	Taipei Office (Taiwan, R.O.C.) 8F, No. 35, Lane: 221, Gang Cian Road, Taipei, Taiwan, R.O.C. Tel: 886-2-2799-5799(Rep.) Fax: 886-2-2799-9577	
Approval:	Check:	Initiator:
Simon_wang	-	Lian xiaohu



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TOP MOTOR TECHNOLOGY(HUIZHOU)CO,LTD

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TOP MOTOR

1. SCOPE

This specification defines the electrical and mechanical characteristics of the AC/DC Brush less (Sleeve Bearing / 1-Ball Bearing / 2-Balls Bearing) axial flow fan, which is carefully designed and manufactured for your special needs by Dynatron Corporation.

2. ELECTRICAL CHARACTERISTICS

Items		Description
1.	Rated Voltage	DC 12 V
2.	Start Voltage	DC 7V
3.	Operating Voltage	10.8V-13.2V
4.	Air Flow – At rated voltage zero static pressure (minimal value)	0.3m ³ / min (10.8CFM)
5.	Static Pressure – At rated voltage At zero air flow	2.8mm-H ₂ O (0.11inch-H ₂ O)
6.	Input Current	0.18A (Max.)
7.	Input Power	2.16W
8.	Insulation Resistance – Between Frame and Terminal	10 M ohm at DC 500 V
9.	Dielectric Strength – Between Frame and Terminal	5 mA (Max.) @ AC 500 V 60 Hz 1 min.
10.	Speed	5000rpm ± 10 %
11.	Life – Continuous operating under normal temperature (25 °C or 77 °F)	35,000 hours
12.	Rotation	Clockwise Air Discharged
13.	Lead Wires	UL 1007, awg 26 or Equivalent “-”: Black; “+”: Red;”s”:White.
14.	Autorestart Time	3-5sec
15.	Acoustical Noise	31.8 dBA



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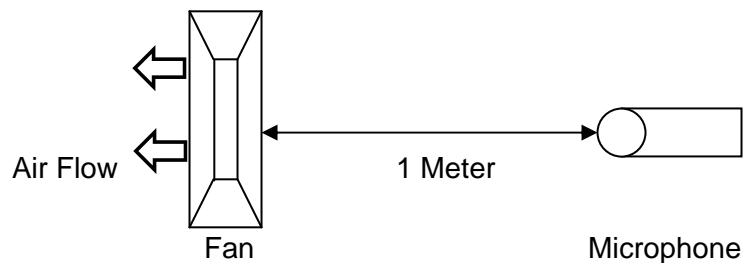
TOP MOTOR

3. MECHANICAL CHARACTERISTICS

Items		Description
1.	Dimension	Display as Drawing
2.	Frame	PBT UL94V-0 (Black GP)
3.	Impeller	PBT UL94V-0 (Black GP)
4.	Bearing System	Two ball Bearing
5.	Weight	17±5grams

4. ENVIRONMENTAL

Items		Description
1.	Operating Temperature	- 10 °C ~ + 65 °C (65 %RH)
2.	Storage Temperature	- 30 °C ~ + 70 °C (65 %RH)
3.	Vibration Test	Displacement Amplitude: 0.75mm(Equivalent 10G) Frequency Range:10Hz<->55Hz/30SEC. Linear Scanning 120 Cycle Endurance Timer Per Axis:30Min. Orientation:X,Y,Z.
4.	Drop Test	Motor withstands one free body drop from 30 cm in high onto 10 mm thickness of wooden board for each of the three faces in minimum packing condition.
5.	Acoustic Noise	31.8dBA – Curve (Max32.3dBA) Measuring Condition – Under rated voltage in semi-anechoic chamber equipment sound level meter. (Figure A.)





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Figure A – Noise Level is measure at rated voltage in anechoic chamber in free air as above.

5. PROTECTION

Items		Description
1.	Polarity Protection	For polarity error connection to power, the circuit withstands reversed connection between positive and negative leads.
2.	Locked Rotor Protection	Motor winding protects the motor from damage in 72 hours of locked rotor condition at rated voltage.

ATTACHMENTS

- a. Product Dimension
- b. Frequency Generator Output
- c. TUV Certificate
- d. UL Certificate
- e. SGS

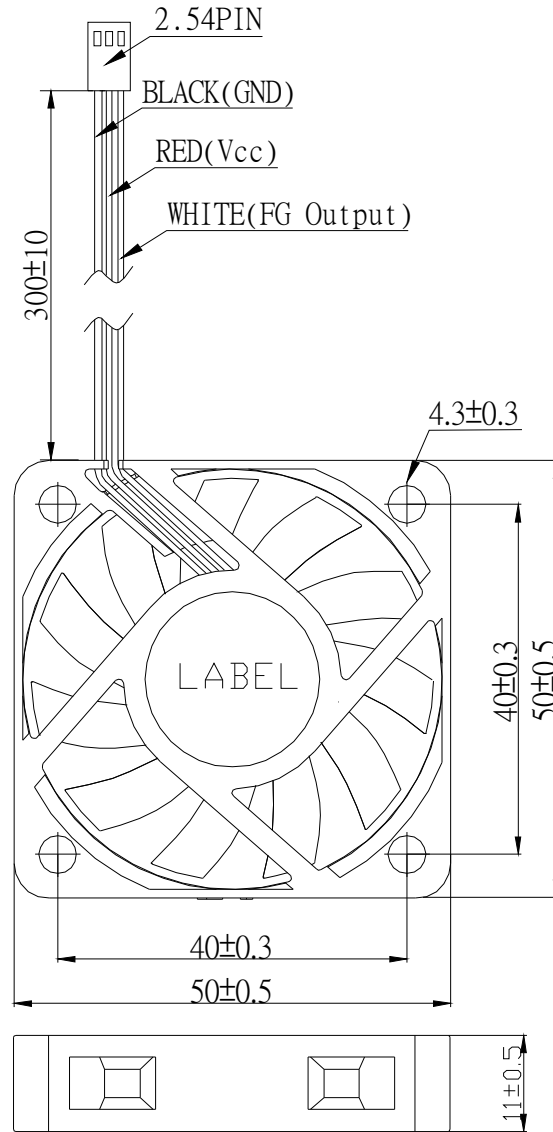


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DIMENSIONS



UNIT:mm

1. LEAD WIRE:1007 #26 AWG80°C 300V UL, CSA APPROVAL

<p>TOP MOTOR TECHNOLOGY (HUIZHOU) CO, LTD</p>	<p>DF125010××</p>	Tolerance	Vide Supr	Approval	Wang Hui
		Unit	mm	Check	Ye liang
		Edition	1.0	Initiator	Xiao hu
		Drawing Type	Dimensions	Remark	Date



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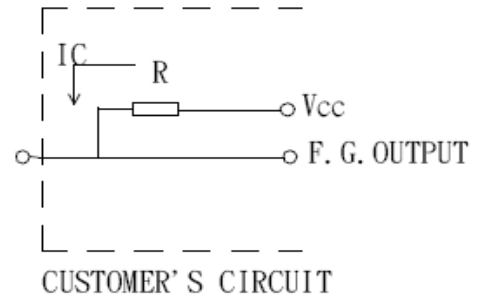
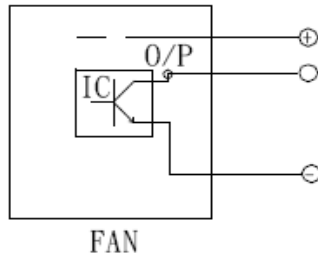
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FREQUENCY GENERATOR OUTPUT(Tack Out)

3rd WIRD Square Wave Signal is Amplified by a transistor (open collector type)

Frequency generator function is activated by an internal IC for customer's application.

Electrical schematic:



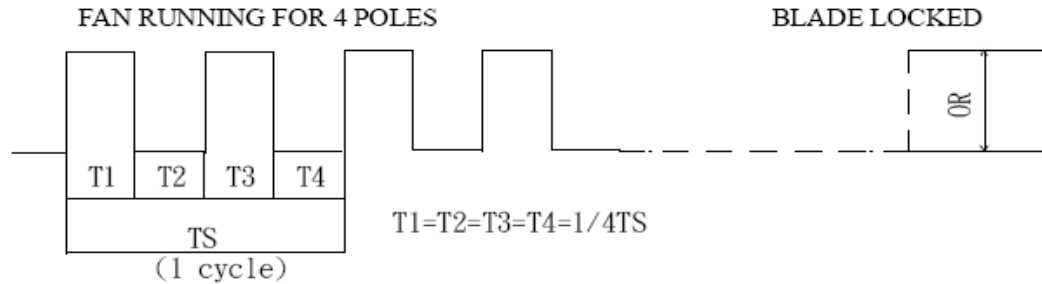
CUSTOMER'S CIRCUIT

Vcc=From+5 To+28 VDC(Generally using+12or+24 VDC)

Ic=2mA max.

$R = V/I$ (OUTPUT "R" value calculation)

Frequency generator waveform:



$TS = 60/N(\text{sec})$




N=R.P.M. (Rotation speed will be different by various model L/M/H)



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Zertifikat		Certificate			
Zertifikat Nr. Certificate No. R 50053688		Blatt Page 0007			
Ihr Zeichen Client Reference R353004/Sporton	Unser Zeichen Our Reference ZTW1-SSY- 10011908 001	Ausstellungsdatum 08.12.2004	Date of Issue (day/mo/yr)		
Genehmigungsinhaber License Holder Dynaeon Industrial Co., Ltd. 1st Fl., No. 362, Tanan Rd. Taipei 111 Taiwan		Fertigungsstätte Manufacturing Plant Dynaeon Ind. Co., Ltd. Ta-Li Management Zone Ching-Hsi, Dongguan P.R. China			
Prüfzeichen Test Mark		Geprüft nach Tested acc. to EN 60950:2000			
					
Zertifiziertes Produkt (Geräteidentifikation) <i>Certified Product (Product Identification)</i>				Lizenzentgelte - Einheit <i>License Fee - Unit</i>	
Ventilator (DC Fan)					
wie Blatt (as page) 01, Ergänzung (Addition)					
Bezeichnung (Type Designation)	DF241225 (A) L (B)				1
	DF241225 (A) M (B)				1
	DF241225 (A) H (B)				1
	DF248025 (A) L (B)				1
	DF248025 (A) M (B)				1
	DF248025 (A) H (B)				1
	DF248025 (A) U (B)				1
	DF249225 (A) L (B)				1
	DF249225 (A) M (B)				1
(A) steht für (stands for)	: S, B, P oder (or) Q				1
(B) steht für (stands for)	: XXXXXXXXXX, X steht für (stands for) 0-9, A-Z, "-" oder (or) freibleibend (blank)				1
Nennspannung (Rated Voltage)	: DC 24V				
Nennstrom (Rated Current)	: siehe Aufbau-Übersicht (see constructional dataform)				
					11
ANLAGE (Appendix): 1					
<small>Dem Zertifikat liegt unsere 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.</small>					
TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln				Zertifizierungsstelle	
Tel.:(+49/221)8 06 - 13 71 Fax:(+49/221)8 06 - 39 35 e-mail: Althoff@de.tuv.com					
				Dipl.-Ing. A. Klinker	



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TOP MOTOR



ONLINE CERTIFICATIONS DIRECTORY

GPWV8.E157868

Fans, Electric Certified for Canada - Component

[Page Bottom](#)

Fans, Electric Certified for Canada - Component

[See General Information for Fans, Electric Certified for Canada - Component](#)

DYNAEON INDUSTRIAL CO LTD
8TH FL 35 LANE 221 GANGCIAN RD
NEIHU DIST
TAIPEI, 114 TAIWAN

E157868

DC fans, Models D(F)1206(Z)(Y1)(X1), D(F)1207(Z)(Y1)(X1), where (F) may be F or C, (Z) may be SH, BH, BA, SM, BM, BB, SL, BL, BC, SD, BE, BF, SG, BI, BJ, SK, BN, BO, SP, BQ, BR, SS, BT, BU, SV, BW, BX, SY, BY or BZ, (Y1) may be "-", 0 through 9 or A through Z, (X1) may be 0 through 9 or A through Z.

Models DF248015(S)(X)(Y)(Z)(W), DF488015(S)(X)(Y)(Z)(W), where (S) may be S, B or P, (X) may be U, H, M or L, (Y) and (Z) may be any alphanumeric character, blank, "-" or any symbol, (W) may be seven any alphanumeric character, blank, "-" or any symbol.

Models DF121225(A)(B)(C), DF121225(A)E(C), DF241225(A)(B)(C), DF128015(A)U(C), DF128015(A)(B)(C), DF128025(A)U(C), DF128025(A)(B)(C), DF128025(A)E(C), DF248025(A)U(C), DF248025(A)(B)(C), DF129225(A)(B)(C), DF129225(A)E(C), DF249225(A)U(C), DF249225(A)(B)(C), DF126010(A)(B)(C), DF246025(A)U(C), DF246025(A)(B)(C), DF126025(A)U(C), DF126025(A)(B)(C), DF126025(A)E(C), DB126015BU(C), DB126015B(B)(C), DF123010(A)(B)(C), DF053010(A)(B)(C), DF127015(A)U(C), DF127015(A)(B)(C), DF245010(A)(B)(C), where (A) may be S, B, P or Q, (B) may be H, M or L, (C) may be xxxxxxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DF122510(X)(Y2)(Z)-(M), DF124020(X)(Y2)(Z)-(M), DF244020(X)(Y1)(Z)-(M), DF126025(X)(Y3)(Z)-(M), DF246025(X)(Y3)(Z)-(M), DF121225(X)(Y1)(Z)-(M), DF124028(X)(Y3)(Z)-(M), where (X) may be S, B, P, Q, (Y1) may be H, M or L, (Y2) may be U, H, M or L, (Y3) may be U, H, M, L or E, (Z) is alphanumeric combination of five digits and/or alphabets, may be A through Z, 0 through 9 or blank, (M) may be A or B.

Models DF054010(X)(Y2)(Z1)(Z2)-A, DF054010(X)L(Z1)(Z2)-B, DF124010(X)(Y2)(Z1)(Z2)-A, DF124010(X)L(Z1)(Z2)-B, DF244010(X)(Y2)(Z1)(Z2)-A, DF125015(X)(Y1)(Z1)(Z2)-A, DF125020(X)(Y3)(Z1)(Z2)-A, DF126015(X)(Y1)(Z1)(Z2)-A, DF246015(X)M(Z1)(Z2)-A, DF246015(X)L(Z1)(Z2)-A, DF128020(X)(Y1)(Z1)(Z2)-A, DF128020(X)L(Z1)(Z2)-B, DB127015(X)(Y2)(Z)-A series, where (X) may be S, B, P, Q, (Y1) may be H, M or L, (Y2) may be U, H, M or L, (Y3) may be H, M, L or E, (Z1) may be blank or 3, (Z2) is alphanumeric combination of four digits and/or alphabets, may be A through Z, 0 through 9 or blank, (Z) is alphanumeric combination of five digits and/or alphabets, may be A through Z, 0 through 9 or blank.

Models DF125010(X)(Y)(Z)-A, DF126020(X)(Y)(Z)-A, DF246020(X)(Y)(Z)-A, DF121525(X)(Y1)(Z)-A, DF121525(X)(Y2)(Z)-B series, Where (X) may be S, B, P or Q, (Y) may be H, M or L, (Y1) may be U, H or M, (Y2) may be L or E, (Z) is alphanumeric combination of five digits and/or alphabets, may be A through Z, 0 through 9 or blank.

Models DF128025(X)(a)(Y)-A, DF121225(X)(b)(Y)-C, DF121225(X)E(Y)-C, DF127720(X)(a)(Y)-A, DF121425(X)(c)(Y)-A, DF126010(X)E(Y)-A series, where (X) may be S, B, P, Q, (a) may be H, M, L or E, (b) may be M or L, (c) may be U, H, M, L or E, (Y) is alphanumeric combination of five digits and/or alphabets, may be A through Z, 0 through 9 or blank.

Models DF054010(X)(Y1)(Z1)(Z2)-C, DF124010(X)(Y2)(Z1)(Z2)-C, DF244010(X)(Y2)(Z1)(Z2)-C, DF124020BU(Z1)(Z2)-C, DF124020(X)(Y1)(Z1)(Z2)-C, DF124028BU(Z1)(Z2)-C, DF124028(X)(Y1)(Z1)(Z2)-C, DF126025BU(Z1)(Z2)-C, DF126025(X)(Y1)(Z1)(Z2)-C, DF127015BU(Z1)(Z2)-A, DF127015(X)(Y1)(Z1)(Z2)-A, DF128025BU(Z1)(Z2)-B, DF128025(X)(Y1)(Z1)(Z2)-B, DF129225BU(Z1)(Z2)-A, DF129225(X)(Y1)(Z1)(Z2)-A, DF121225BU(Z1)(Z2)-D, DF121225(X)(Y1)(Z1)(Z2)-D, DF121425(X)(Y1)(Z1)(Z2)-B, DB127015BU(Z1)(Z2)-B, DB127015(X)(Y1)(Z1)(Z2)-B, DB058015(X)(Y3)(Z1)(Z2)-A, where (X) may be S, B, P or Q, where (Y1) may be H, M, L or E, where (Y2) may be U, H, M, L or E, where (Y3) may be M or L, where (Z1) may be blank or 3, where (Z2) may be is alphanumeric combination of four digits and/or alphabets, may be A through Z, 0 through 9 or blank.

Models DB128015(X)(Y1)-(Z)-A, DF128038(X)(Y1)-(Z)-A, DB121225(X)(Y2)-(Z)-A, DF054010(X)(Y2)-(Z)-D, DF124010(X)(Y3)-(Z)-D, DF244010(X)(Y4)-(Z)-D, DF125010(X)(Y2)-(Z)-B, DF126010(X)(Y5)-(Z)-B series, where (X) may be S, B, P, Q, (Y1) may be U, H, M, L or E, (Y2) may be H, M or L, (Y3) may be U, M, L or E, (Y4) may be U, H, M or L, (Y5) may be H, M, L or E, (Z) is alphanumeric combination of five digits and/or alphabets, may be A through Z, 0 through 9 or blank.

Electric fans, Models DC0504, -1204, -1205, -1206, DF0504, -0505, -1204, -1205, -1208, -2406, -2408 followed by "S" or



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"B", followed by two alphanumeric characters.

Low voltage fans, Models DB1206, DF1209, -1212, -2409, DH1204 followed by B or S, followed by two alphanumeric characters.



Marking: Company name or trademark TOP MOTOR, model designation and Recognized Component Mark for Canada,



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CONSOLIDATED TEST DATA REPORT

NUMBER: SZHJ059427

APPLICANT: DYNAEON INDUSTRIAL CO.,LTD
 TA-LI MANAGEMENT ZONE, CHING
 -HSI, DONGGUAN CHINA
 ATTN: WORLF

DATE: Jul 18, 2006

SAMPLE DESCRIPTION:

PRODUCT DESCRIPTION : 风扇/FAN.
 ITEM NO. : DC 系列风扇:2.5CM、3CM、4CM、5CM、6CM、7CM、
 8CM、9CM、12CM、14CM、15CM、20CM.
 REFERENCE NO. : DC FAN:2510~2030 Modle: DF122510
 DF053010/DF123010
 DF054010/DF124010/DF244010/DF244020/DF12
 4020/DF124028/DF244028
 DF055010/DF125010/DF245010/DF055015/DF12
 5015/DF245015/DF055020/DF125020/DF245020
 DF126010/DF246010/DF126015/DF246015/DF12
 6017/DF246017/DF126020/DF246020/DF126025
 /DF246025/DB126015
 DF057010/DF127010/DF057015/DF127015/DB12
 7530/DB057550 (包含 7015 FAN CARD)
 DF058015/DF128015/DF248015/DF488015/DF12
 8020/DF248020/DF058025/DF128025/DF248025
 /DB120815
 DF059225/DF129225/DF249225/DF129038
 DF121225/DF241225/DF121238/DB121225
 DF121425/DF241425 DF121525/DF241525
 DF122030/DF242030 .

COUNTRY OF ORIGIN : CHINA.
 DATE OF DATA CONSOLIDATION : 29-Jun-2006 .

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

 TO BE CONTINUED

AUTHORIZED BY:
 FOR INTERTEK TESTING SERVICES
 SHENZHEN LTD.

BEN N.L. LIN
 GENERAL MANAGER



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CONSOLIDATED TEST DATA REPORT

NUMBER: SZHJ059427

COMMENT : THE DATA SHOWN IN THIS CONSOLIDATED TEST DATA REPORT DID NOT EXCEED THE LIMITS OF RoHS DIRECTIVE (2002/95/EC) .

AUTHORIZED BY:
FOR INTERTEK TESTING SERVICES
SHENZHEN LTD.

BEN N.L. LIN
GENERAL MANAGER

Intertek Testing Services Shenzhen Ltd.-TFH Division
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DYNATRON CORPORATION

TOP MOTOR TECHNOLOGY(HUIZHOU)CO,LTD

TOP MOTOR

Intertek Labtest

CONSOLIDATED TEST DATA REPORT

NUMBER: SZHJ059427

CONSOLIDATED TEST DATA:

整合报告测试数据:

ITEM 編號	PART NO. 料號	COMPONENT DESCRIPTION 零件名稱	TEST SAMPLE 檢測樣品	TEST LAB 報告發出機構	REPORT NO. ISSUED DATE 報告編號及發出時間	TEST DATE (ppm) 檢測數據 (ppm)
1	30203040	PC 框葉	PLASTIC	SGS HONG KONG LTD	2049732/EC JAN 13,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
2	30203041	PBT 框葉	PLASTIC	SGS-CSTC CHEMICAL LABORALOR	SH6057301/CHEM MAY 22,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
3	30203042	PBT 框葉	PLASTIC	SGS-CSTC LTD	GZ0603025749/CHEM MAR 13,2006	Pb: 22 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: 31
4	30000000	色母	SR	SGS-CSTC LTD	GZ0603022642/CHEM MAY 08,2006	Pb: 4 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
5	30100000	BOBBIN	PLASTIC	SGS-CSTC LTD	GZ0602019179/CHEM MAR 01,2006	Pb: 10 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
6	40100000	IC	GTM SIP- 4L	SGS TAIWAN LTD	CE/2005/B2501 NOV 21,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
7	40100001	IC	US	SGS-CSTC LTD	GZ0603024168/CHEM MAR 23,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
8	40100002	IC	PTOON	SGS TESTING KOREA CO. LTD	F690501/LF-CTSGP05-5493 JAN 06,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

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9	40300000	二極管/三極管	SOT	SGS-CSTC LTD	GZSCR051043756/LP OCT 08,2005	Pb: 3 Cd: 3 Hg: ND Cr ⁶⁺ : ND PBBs: ND* PBDEs: ND*
10	40300001	SOT223	晶體二極管	SGS TESTING KOREA CO. LTD	F690501/LF-CTSGP05-5485 JAN 06,2006	Pb: 9.56 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
11	40300002	發光二極管	LED LAMP	SGS-CSTC LTD	GZ0605068892/CHEM MAY 23,2006	Pb: 6 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
12	40400000	電阻	RESISTOR	SGS-CSTC LTD	GZSCR050966938/LP SEP 08,2006	Pb: 15 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
13	40400001	電阻	RESISTOR	SGS TAIWAN LTD	CE/2005/91463A SEP 15,2005	Pb: 15.6 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
14	40400002	電阻	RESISTOR	SGS-CSTC LTD	GZSCR050966937/LP SEP 08,2005	Pb: 21 Cd: 4 Hg: ND Cr ⁶⁺ : ND PBBs: ND* PBDEs: ND*
15	40500000	電容	CAPACITO RS	SGS-CSTC LTD	GZ0603037646/CHEM MAR 04,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
16	40500001	電容	CAPACITO RS	SGS-CSTC LTD	GZ0605069140/CHEM MAY 25,2006	Pb: 33 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

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17	51100000	矽鋼片	SILICON STEEL	SGS-CSTC LTD	GZ0605066502/CHEM MAY 23,2006	Pb: 17 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
18	50300000	馬達殼	SILICON	SGS-CSTC LTD	GZ0603024262/CHEM MAY 09,2006	Pb: 12 Cd: ND Hg: ND Cr ⁶⁺ : ND
19	50400000	軸承	SLEEVE	SGS-CSTC LTD	SZTYR0501246007/LP JAN 04,2006	Pb: 30 Cd: ND Hg: ND Cr ⁶⁺ : ND
20	50400001	軸承	SLEEVE	SGS-CSTC LTD	GZSCR050974613/LP OCT 11,2005	Pb: 29 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
21	50100000	軸心	SHAFT	SGS-CSTC LTD	GZSCR0512106640/LP DEC 31,2005	Pb: 14 Cd: ND Hg: ND Cr ⁶⁺ : ND
22	50100001	軸心	SHAFT	SGS-CSTC LTD	GZSCR0512106638/LP DEC 31,2005	Pb: 17 Cd: ND Hg: ND Cr ⁶⁺ : ND
23	50600000	彈簧	SINK	SGS-CSTC LTD	GZS0604050183/CHEM APR 17,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND
24	20100000	PIN	CP WIRE	SGS-CSTC CHEMICAL LABORALOR	SH6038686/CHEM APR 10,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND
25	51600000	銅套	銅套	SGS-CSTC LTD	GZ0603029787/CHEM MAR 24,2006	Pb: 80 Cd: 3 Hg: ND Cr ⁶⁺ : ND
26	50700000	SECC	BALL BEARING	SGS TAIWAN LTD	CE/2006/30204 MAR 08,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

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27	50200000	膠磁	MAGNETIC	SGS TAIWAN LTD	CE/2005/90476 SEP 13,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
28	20300000	漆包線	ENAMEL WIRE	SGS-CSTC LTD	GZ0602014292/CHEM FEB 21,2006	Pb: 3 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
29	40600000	PCB	FR-4	SGS-CSTC LTD	GZ0601000865/CHEM JAN 09,2006	Pb: 3 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
30	40600001	PCB	CEM-1	SGS-CSTC LTD	GZSCR0603025292/LP MAR 13,2006	Pb: 5 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
31	10800000	焊錫	SN/AG/CU	SGS-CSTC LTD	GZ0602014606/CHEM FEB 22,2006	Pb: 23 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
32	60200000	LEAD WIRE	WIRE/ HOUSING/ PIN	SGS-CSTC LTD	GZSCR051182842/LP NOV 07,2005	Pb: 24 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
33	60200001	LEAD WIRE	WIRE/ HOUSING/ PIN	SGS-CSTC LTD	GC060400205 APR 17,2006	Pb: 3 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
34	60200002	LEAD WIRE	WIRE/ HOUSING/ PIN	SGS-CSTC LTD	GZSCR051182840/LP NOV 11,2005	Pb: 4 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

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35	70100000	套管	ROPE	SG HONG KONG LTD	2036506/EC SEP 21,2005	Pb: 32 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND* PBDEs: ND*
36	30700000	OIL RING	SILICONE	SGS TAIWAN LTD	CE/2006/17523B FEB 08,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
37	31000000	PLASTIC CLIP	POLYESTE R FILM	SGS TAIWAN LTD	CE/2006/17524B FEB 08,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
38	31100000	RUBBER	RUBBER	SGS TAIWAN LTD	CE/2006/17512B FEB 08,2006	Pb: 5.1 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
39	30700000	墊片	SPACE	SGS TAIWAN LTD	CE/2006/17525B FEB 08,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
40	10100000	FORMEX GK 墊 片	絕緣片	SGS-CSTC LTD	SHML05111587 NOV 25,2005	Pb: 25 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
41	70900000	標籤	LABEL	SGS TAIWAN LTD	CE/2006/12956C JAN 16,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND
42	70900001	標籤	LABEL	SGS-CSTC LTD	GZ0601001676/CHEM JAN 16,2006	Pb: 5 Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

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43	70900002	標籤	LABEL	SGS TAIWAN LTD	CE/2006/12957C JAN 18,2006	Pb: ND Cd: ND Hg: ND Cr ⁶⁺ : ND PBBs: ND PBDEs: ND

ND = NOT DETECTED

REMARK:

* TEST RESULTS WERE OBTAINED BY IN-HOUSE TESTING METHOD OF CORRESPONDING LABORATORIES.

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