PROPOSED SPECIFICATIONS FOR APPROVAL

CUSTOMER

EVG ELEKTRO-VERTRIEBS GMBH

PART NAME

DC FAN MOTOR

MODEL

BG0703-B045-000-T1

DATE 2008/1/31

COVER

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Page Pages

SPECIFICATIONS TOTAL

4

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PLEASE RETURN 1 COPY OF THIS PROPOSED DRAWING WITH YOUR SIGNATURE.

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For your use in safety

Carefully read the precautions before use and use the motor properly and safely. In "For your use in safety", the rank of safety precautions are being divided into "warning" and "cautions". warning: Due to mishandling, a dangerous condition might occur and there is a possibility of death or serious injury.

Precautions: Due to mishandling, a dangerous condition might occur and ther is possibility of medium human disorder or material disorder. There might be cases where there are heavy damages.



- Do not use in an explosive atmosphere, flammable atmosphere and locations where water falls onto.
 It might cause a fire, injury or electric shock.
- Installation, wiring connection, inspection,etc. Should be done by a person with professional knowledge.
 You might get an electric shock or be injured.
- Do not move, wire or inspect the motor when applying current. You might get an electric shock or be injured.

 After turning switch off, kindly proceed your operations ensuring safety.
- Do not pull out or push in the lead wire when applying current. You might get an electric shock.

 And do not touch the connection terminals, etc. when applying current. You will get an electric shock.
- As you may get injured, do not put your fingers into the Static electricity causes motor and equipment failures.
- kindly consider the measures for equipment protection at equipment side once the motor stops rotation.

 As you may get injured, do not put your fingers into the motor while rotation.
 - Take appropriate measures against static electricity during installation of motor.
 - Do not hold the lead wire part. Might cause the motor to drop off.
 - For your use, strictly follow rated operating voltage additionally frequency, in particular, AC motors as well as environment in use, such as temperature, humidity range.

Whenever the motor is used in any equipment that holds large social and public effects,

Minebea Motor Manufacturing Corporation

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項目(Items)		諸元 (Description)
モーターの種類 (Motor Type)		DCブラシレスモーター (DC Brushless Motor)
定格 (Rating)		
定格時間 (Duty)		連続(Continuous)
定格電圧(Rating Voltage)[V	']	12
使用電圧範囲(Operating Volt	age) [V]	6~13
起動電圧 (Starting Voltage)	[V]	6
定格回転速度 ☆3☆4	標準値(Average)	3650
(Speed) [min ⁻¹]	最小値 (Minimum)	3450
最大風量 ☆1☆4	標準値(Average)	0. 37
(Max Air Flow) [m ³ /min]	最小値 (Minimum)	0. 34
最大静圧 ☆2☆4	標準値(Average)	164
(Max Static Pressure) [Pa]	最小値 (Minimum)	138
定格電流 ☆3☆4	標準値(Average)	0. 51
(Current) [A]	最大値 (Maximum)	0. 66
定格入力 ☆3☆4	標準値 (Average)	6. 12
(Input Power) [W]	最大値(Maximum)	7. 92
騒音 (Acoustical Noise) [dB]	☆3☆ 4	43

- * 測定条件 (Measuring Conditions)
 - 1. 無響音室内で、かつ障害物のない大気中において測定する。

(Measurement with in anechoic test chamber under free air condition.)

2. 測定機は、モーターの吸込側より1mの距離に位置する。

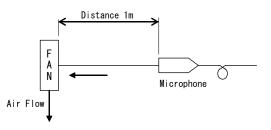
(Microphone is placed at a distance of 1m on the axis of air intake side.)

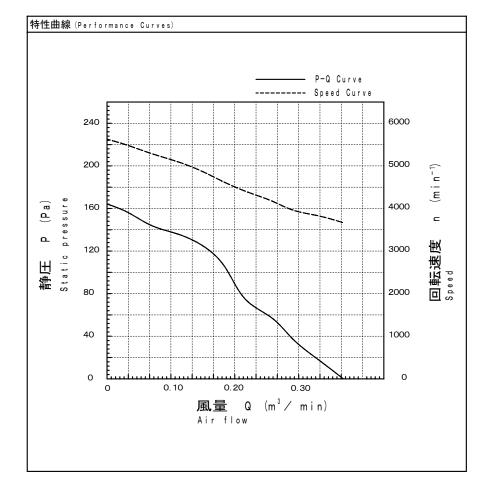
3. 暗騒音は16dB以下のこと。

(Chamber back ground noise max 16dB.)

4. 騒音は標準回転速度時。

(Acoustical noise at average speed.)





- * NOTE
- ☆1 静圧"0"の時 (At 0 static pressure)
- ☆2 風量"0"の時 (At 0 air flow)
- ☆3 フリーエア一時 (At free air)
- ☆4 室温25°Cにおいて定格電圧印加時 (At rating voltage, at 25°C)



						Minebea Moto	IB-M r Manufacturin アモータ格	g Corporation		単位 UI	mm		作成日 DATE 2008 / 01 / 31 品名 DESCRIPTION AUTO RESTART TYPE DC BRUSHLESS BLOWER FA
ı						APPROVED	CHECKED	DRAWN	 80-	L≦4	±0.1	熱処理 HEAT TREAT	品番 PART NO. (MODEL NO.) 葉番 SHEE
									公差	4 < L ≦ 16 16 < L ≦ 63	±0.2		BG0703-B045-000-T1
ı	符号	日付	変更事由 /	担当	承認	YMKM	TOMO	MARU		63 < L ≦ 250	±0.5	表面处理 FINISH	図番 DRAWING NO. 改訂 REV.
	MARK	DATE	REASON ECN NO.	ENGINEER	APPROVED				TOL	250 < L≦1000 角度DEG	±0.8		BG0703-B045-000-T1 .

項目 (Items)	諸元 (Description)
規格 (Standard)	聞ル (Description)
	DC 500V メガーにて10MΩ以上
絶縁抵抗	
(Insulation Resistance)	(min 10MΩ by DC 500V Megger)
	フレームとリード線間
40 43 T.L.	(Between Frame and (+) Terminal)
絶縁耐圧	AC 700V 1s ☆5
(Dielectric Withstand Voltage)	フレームとリード線間
	(Between Frame and (+) Terminal)
期待できる寿命(故障率10%)	25°Cにて60,000時間
(Life Expectation (L10 Life))	(60, 000h at 25°C)
	寿命とは、定格電圧印加時の電流値及び回転速度の
	どちらかが、以下の様になった状態とする。
	電流値 : 初期値 +15%以上
	回転速度 : 初期値 -15%以下
	(The motor life is decided as follows
	Current : more than +15% of initial value
	Speed : less than -15% of initial value)
許容環境温度範囲	-10°C∼+50°C (Operating)
(Allowable Ambient Temperature)	-40°C~+70°C (Storage) ☆6
	実用上さしつかえない状態で結露無きこと。
	(No dew formation at operating and storage condition)
質量 (Mass)	90 g
保護方式 (Protection)	自動復帰方法 (Auto Restart)
	逆接続防止(Polarity Protection)☆7
耐振動 (JIS C 60068-2-6 に準拠)	全振幅 (Peak-to-Peak value of a vibration) : 1.5mm
(Vibration Test)	周波数(Frequency): 10~55Hz
	X, Y, Z 3方向各1時間
	(1h in 3 Directions, "X, Y, Z" Each)
耐衝撃 (JIS C 60068-2-27 に準拠)	加速度(Acceleration of Gravity): 1000m/s ²
(Shock Test)	作用時間(Time): 6ms
	X, Y, Z 3方向各1回
	(1 time in 3 Directions, "X, Y, Z" Each)
絶縁階級 (Insulation Class)	E種 (UL : Class A)
回転方向 (Rotation)	銘板側から見て時計方向
	(CW Viewed From Name Plate Side)
風吹き出し方向 (Air Flow Direction)	側面側 (Air Out to Side direction)
UL File No.	E89936
CSA File No.	LR65829
VDE File No.	1507300
生産国(Producing Country)	JAPAN, CHINA
<u> </u>	

* NOTE

☆5 AC 500V、1分を保証 (Guarantee AC 500V 1min)

and 24 hours to ambient humidity.)

- ☆6 但し100時間保存の24時間常温放置にて実用上問題無きこと。 (To be free of defects on practical use after 100 hours of stored at -40℃~+70℃
- ☆7 使用電圧範囲内において赤(+)線および、黒(-)線を逆接続されても異常なきこと。 (Motor withstands reverse connection for positive and negative leads.)

*特記事項(Additional Notice)

- (1) 本仕様書に記載されていない項目で特に決める必要のある項目は事前に御連絡ください。 Any modification to these specifications requested by customer shall be negotiated between the manufacturer and the customer.
- (2) 当仕様書満足範囲において性能向上の為、部品等一部変更する場合が有ります。
 The manufacturer reserves the right to change design, parts or manufacturing processes in order to improve the performance of the fan motor.
- (3) 保管はできるだけ6ヶ月以内とし、高温多湿の場所は避けてください。 Storage area should not be in high temperature, high humidity environment, and storage term shall be within 6 months as much as possible.
- (4) 定格電圧において72時間拘束されても焼損しません。 In case of locked rotor condition, the current shutdown feature of the fan motor protects the motor for 72 hours at the rated voltage.
- (5) 納入品単体の故障により誘発される損害はご容赦いただきます。 We shall be free from compensation for any damage induced due to failure of fan motor.
- (6) ファン取り付け時は、表-1の締め付けトルクに従って取り付けることを推奨致します。 本方法以外での取り付けの際は、必ず事前に御連絡下さい。 The recommended toruque setting for fastening / mounting of this fan motor are shown in TABLE-1. In case of fastening / mounting method without recommended, please contact us before using.



FIGURE	SCREW SIZE	TORQUE (N m)
FIG. 1	M4	max 0.98
	TABLE - 1	

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\\ \text{3}	Wotor W.	1
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					APPROVED	CHECKED	DRAWN	—
符号 MARK	· · · · · · · · · · · · · · · · · · ·	変更事由 REASON ECN NO.	担当 ENGINEER	承認 APPROVED	YMKM	томо	MARU	版公差

	4		単位 U	INIT	材質 MATERIAL	作成日 DATE 2008 / 01	/ 31
	₩) [品名 DESCRIPTION	
ation 生	*	7	尺度 S	CALE	表面粗サ SURF. ROUGH.	AUTO RESTART TYPI	_
_		寸法	L	公差		DC BRUSHLESS BLOV	WER FAN
VN	-	L≦4	4	±0.1	熱処理 HEAT TREAT	品番 PART NO. (MODEL NO.)	葉番 SHEET
	般公	4 < L ≦	≨16	±0.2		BG0703-B045-000-T1	2 /
	公差	16 < L :	≦63	±0.3		B00700 B040 000 11	/ 3
R U		63 < L≦	250	±0.5	表面处理 FINISH	図番 DRAWING NO.	改訂 REV.
	TOL	250 < L≦	1000	±0.8		BG0703-B045-000-T1	
		角度DE	EG	±0.5		DGU/U3-DU45-UUU-TT	

