

PROPOSED SPECIFICATIONS FOR APPROVAL

CUSTOMER	<u>Rittal</u>
CUSTOMER P/N	<u>3238-100</u>
PART NAME	<u>AC FAN MOTOR</u>
MODEL	<u>12038FB-B3N-WPD-1</u>

DATE 2019/10/21

COVER	<u>1</u>	Page
SPECIFICATIONS	<u>5</u>	Pages
ATTACHED SHEET	<u>0</u>	Pages
TOTAL	<u>6</u>	Pages

SIGNATURE

This product does not use any of the six (6) restricted substances (except RoHS exemptions)
which are specified in directive 2011/65/EU of the European Parliament
and of the council on RoHS regulations.

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

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 there is possibility of medium human disorder or material disorder. There might be cases where there are heavy damages.



Warning

- 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.



Precautions

- Whenever the motor is used in any equipment that holds large social and public effects, 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.
- Static electricity causes motor and equipment failures.
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.

MinebeaMitsumi Inc.

APD. BY

CHC, BY

DET. BY

T. Hosogana Sumada

Amano

規格 (Standard)

絶縁抵抗 (Insulation Resistance)	DC 500V メガーにて100MΩ 以上 ☆8 (min 100MΩ by DC 500V Megger)
絶縁耐圧 (Dielectric Withstand Voltage)	AC 1800V, 50(60)Hz, 3s ☆8☆9
期待できる寿命 (故障率10%) (Life Expectation (L10 Life))	40℃にて 45,000時間 (45,000 h at 40℃) 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 (Allowable Ambient Temperature)	-15℃～+55℃ (Operating) -40℃～+70℃ (Storage) ☆10 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 : kg)	0.53
保護方式 (Protection)	サーマル プロテクト (Thermally Protected)
耐振動 (JIS C 60068-2-6 に準拠) (Vibration Test)	全振幅 (Peak-to-Peak value of a vibration) : 1.5mm 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) (Shock Test)	加速度 (Acceleration of Gravity) : 490m/s ² 作用時間 (Time) : 11ms X, Y, Z 3方向各1回 (1 time in 3 Directions, ""X, Y, Z"" Each)
耐熱クラス (Thermal Class)	クラスE ※UL: クラスA (Class E ※UL: class A)
回転方向 (Rotation)	銘板側から見て反時計方向 (CCW Viewed From Name Plate Side)
風吹き出し方向 (Air Flow Direction)	インペラー側 (Impeller Side)
生産国 (Producing Country)	日本、中国 (JAPAN, CHINA)

銘板表示、適用法令及び安全規格 (Name plate, Applicable Law and Safety Standard)

cULus File No.(E89936)	●
VDE File No.(1507300)	●
European Standard (CE Marking)	●
CCC	●

●: 適用 (Applicable)

*NOTE

☆8 フレームとリード線間
(Between Frame and Lead Wire)

☆9 AC 1500V, 50(60)Hz, 1分を保証
(Guarantee AC 1500V, 50(60)Hz, 1 min)

☆10 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 stored under -40℃～+70℃ for 100 hours
and continuously stored under normal ambient temperature for 24 hours.)

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'19.10.23

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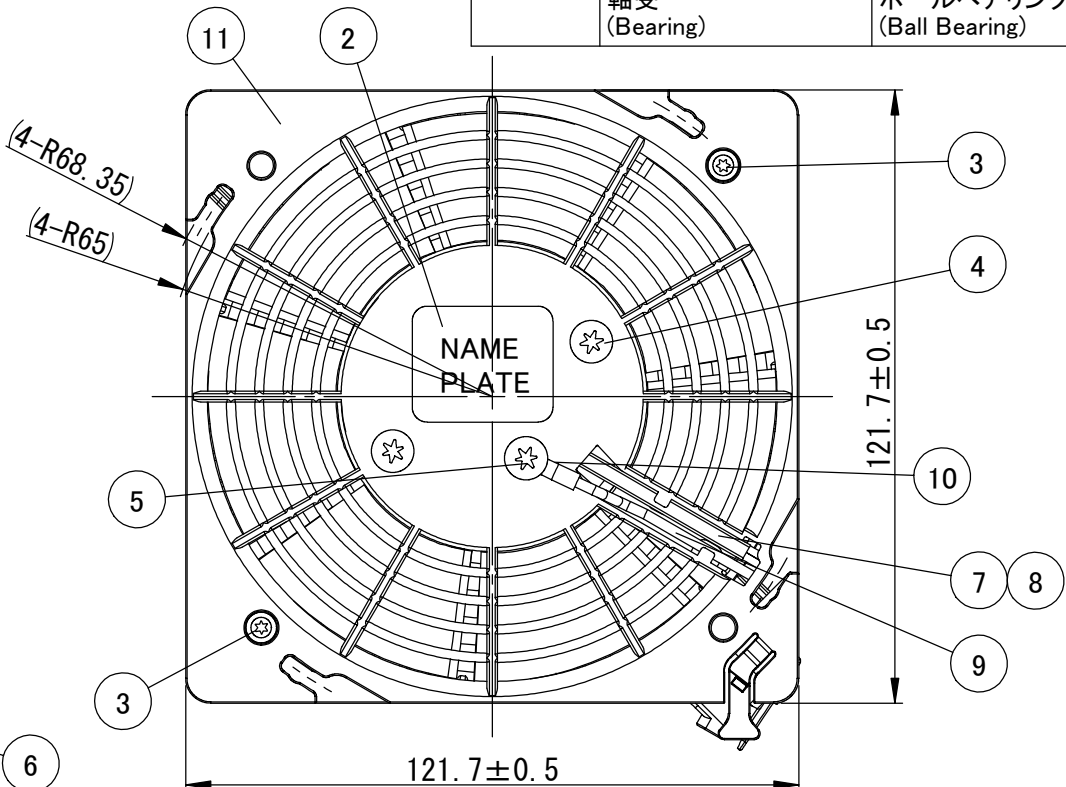
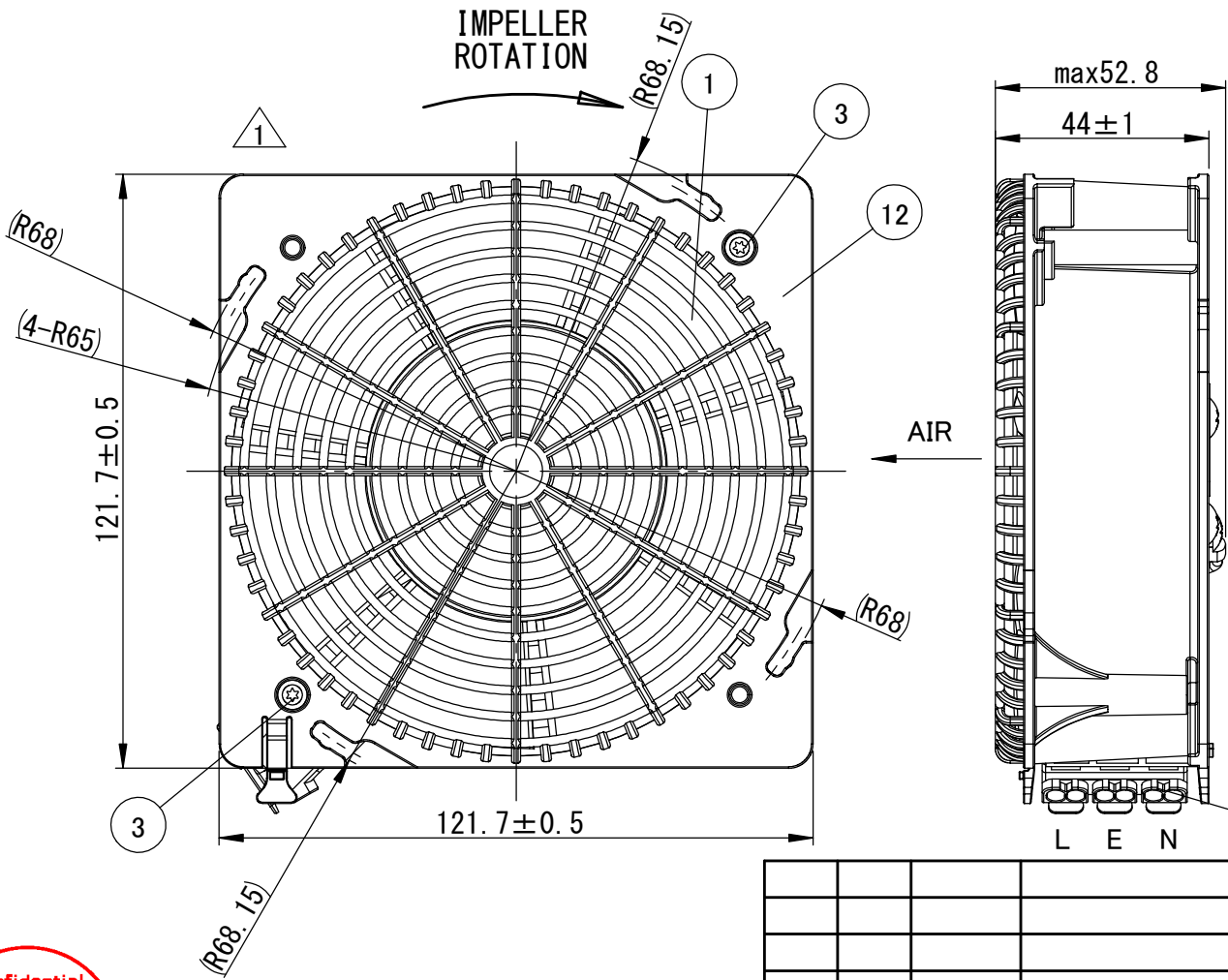
Airmover

								単位 UNIT mm 尺度 SCALE	材質 MATERIAL	作成日 DATE 2019 / 08 / 08								
											表面粗さ SURF. ROUGH	品名 DESCRIPTION AC FAN MOTOR						
													熱処理 HEAT TREAT	品番 PART No. (MODEL No.) 12038FBB3NWPD1	葉番 SHEET 2 / 5			
																表面処理 FINISH	図番 DRAWING No. 12038FB-B3N-WPD-1	改訂 REV. A
1	3	19/10/03	ECN97119/A	AMN	HASE	APPROVED	CHECKED	DRAWN	一般公差 TOL	寸法 L≤4 ±0.1 4<L≤16 ±0.2 16<L≤63 ±0.3 63<L≤250 ±0.5 250<L≤1000 ±0.8 角度 DEG ±0.5								
符号 △SYM	個数 No.	日付 DATE	変更理由 REASON / ECN No.	担当 ENGINEER	承認 APPROVED	SND	NKMY	AMN										

外観図 (Outline)

部品構成表 (Parts List)

品番 (Item No.)	品名 (Description)	材質 (Material)	個数 (QTY)	備考 (Remarks)
1	インペラー (Impeller)	プラスチック (Plastic UL 94V-0)	1	黒 (Black)
2	銘板 (Name Plate)		1	
3	ネジ (Screw)	B TIGHT SCREW	4	
4	ネジ (Screw)	TRUSSED HEAD SCREW	2	
5	ネジ (Screw)	SERRATED SCREW	1	
6	コネクタハウジング (Connector Housing)	LK 980-01 RZ/ 3 GW V0 bedruckt "N Erde L" (ADELS contact) or Equivalent	1	
7	リード線 (Lead Wire)	UL3266, CSA CL1252, AWG22	2	黒 Pin No.N (Black) Pin No.L
8	絶縁チューブ (Insulation Tube)	UL認定チューブ (UL Recognized Tube)	1	黒 (Black)
9	リード線 (Lead Wire)	UL1007 AWG18 YELLOW/GREEN STRIPE	1	Pin No.E
10	ターミナル (Terminal)	1.25-M4 (JST)	1	
11	ケーシング (Casing)	プラスチック (Plastic UL 94V-0)	1	黒 (Black)
12	カバー (Cover)	プラスチック (Plastic UL 94V-0)	1	黒 (Black)
	コンタクト (Contact)	AI 0.34-8TQ(PHOENIX CONTACT) or Equivalent	2	
	ケーシング (Casing)	アルミニウムダイキャスト (Aluminium Die Cast)	1	塗装無し (No Painting)
	軸受 (Bearing)	ボールベアリング (Ball Bearing)	2	



1	5	19/10/03	ECN 97119/A	AMN	HASE
符号 △SYM	個数 No.	日付 DATE	変更理由 REASON	担当 ENGINEER	承認 APPROVED

NMB MinebeaMitsumi Inc.		
APPROVED	CHECKED	DRAWN
SND	NKMY	AMN

単位 UNIT mm	公差 ±0.1
尺度 SCALE	±0.2
寸法	±0.3
公差	±0.5
公差	±0.8
公差	±0.5

材質 MATERIAL	表面粗さ SURF. ROUGH
熱処理 HEAT TREAT	表面処理 FINISH

作成日 DATE 2019 / 08 / 08	品名 DESCRIPTION AC FAN MOTOR
品番 PART No. (MODEL No.) 12038FBB3NWPDP1	葉番 SHEET 3 / 5
図番 DRAWING No. 12038FB-B3N-WPD-1	改訂 REV. A

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