SPECIFICATION FOR APPROVAL CUSTOMER : CUSTOMER PART NO. : CUSTOMER PART PART PART PART PART PART PART PAR
CUSTOMER PART NO.: CUSTOMER APPROVED APPROVED BY 研發處 2017.06.09 第10.017.06.09 2017.06.09 2017.06.09
CUSTOMER APPROVEDAPPROVED BY 研發處CHECKED BY 研發處PREPARED BY 研發處研發處 2017.06.092017.06.09 2017.06.09研發處研發處 2017.06.09
APPROVED 研發處 研發處 研發處 2017.06.09 2017.06.09 2017.06.09 第二章 大弊 2017.06.09 2017.06.09
MODEL NO. : AD08024UX257304
DESCRIPTION :
SPEC NO. : SA-0120170606010
ISSUE DATE : 2017.06.09
REVISION : A00
THIS OFFER IS MADE ACCORDING TO YOUR CURRENT INQUIRY. UNLESS OTHERWISE REVISED, THIS SPECIFICATION WILL BE FINAL FOR ALL FUTURE PRODUCTION OF ORDERS FROM YOUR RESPECTED COMPANY
KINDLY STUDY IN DETAILS AND RETURN TO US THE DUPLICATE DULY SIGNED AS YOUR CONFIBMATION OF SAME. 御發處 2017.06.09 發行章
ADDA ADDA CORPORATION

	Revised Record		
Rev.	Revision Description	Change page	Date
A00	Preliminary		2017.06.09
	藏機股份有會		
	₩ 研發處 ¹		
	2017.06.09		
	發行章		

DATA-SHEET

Engineering

Printed On: 17/06/09

BRUSHLESS AXIAL COOLING FANS

Customer	:	Ref: (RoHS)
Adda Model No	: AD08024UX257304	
Samples attached	: Piece(s),	
Safety Approval	: UL,CUL,TUV,CE TUV:EN 60950-1:2001+A11+ UL:UL507 CE:EN 61000-6-1:2007 EN 61000-6-3:2007+A1	A1+A12+A2
Specifications		
ITEM	SPECIFICATION / CONDITION	
DIMENSIONS	: 80x80x25 mm	
BEARING TYPE	: HYPRO	
RATED VOLTAGE	: 24 VDC	
OPERATING VOLTAGE RANGE	: 21.6 VDC – 26.4 VDC	
START-UP VOLTAGE	: 17.0 VDC ,NORMAL	
REAL CURRENT	: 0.09 Amp	
REAL POWER	: 2.16 Watt	
RATED CURRENT	: 0.16 Amp + 10 %MAX	
RATED POWER	: 3.84 Watt	
RATED SPEED	: 3600 RPM ± 10 %	
	(IN FREE AIR AT RATED VOLTAGE)	
AIR FLOW	: 45.290 CFM (min.: 40.761 CFM)	
AIR FLOW	: 1.281 CMM (min.: 1.152 CMM)	
	(IN FREE AIR AT RATED VOLTAGE)	
STATIC AIR PRESSURE	: 0.216 Inch H_2O (min.: 0.174 Inch H_2O)	
STATIC AIR PRESSURE	: 5.486 mm H_2O (min.: 4.443 mm H_2O)	
	(IN FREE AIR AT RATED VOLTAGE)	
NOISE LEVEL	: 42.0 dB (A) (max.: 46.0 dB(A))	
MOTOR PROTECTION	: BY IC	
POLARITY PROTECTION	: YES	
CONNECTION LEAD TYPE	: WIRE, AWG# 24	
LIFE EXPECTANCY	: 40000 Hours at 40 $^\circ\!\!\mathrm{C}$ /65% RH	
NET WEIGHT	: 72 Gram.	
PACKING	: 200 pcs. Per Export Carton.	份有点
for the standard testing.	umidity is 65%, and the temperature is 25° C fer to the environmental conditions specified in the 發行	發處 ¹³ .06.09
ADDA CORPORATION	Model No.: AD08024UX257304	Page 1/6



5.0 MECHANICAL INSPECTION

5.1 Rotation Direction

Counterclockwise when look into impeller side.

5.2 Protection

All fans have integrated protection against locked rotor condition so that there will be no damage to winding or any electronic component.

Restarting is automatic as soon as any constraint to rotation has been released. As fan placed at dead angle position, and the switch was changed from off to on. Restarting was automatic normal as soon as and proved that this fan is good fan.

- 5.3 Locked Rotor Protection No damage shall be found after 72 hours continuously at condition of rotation locked. Restarting is automatic as soon as constraint to running has been released.
- 5.4 Avoid the damage, check the correct voltage and proper polarity before connecting with power.
- 5.5 Free Drop Shock

In minimum package condition, the fan should withstand drops on any three faces from a height of 30cm onto a wood board of 10mm thick.

- 5.6 Please do not stick a grease and/or an oil to the fan housing or blade which may have a harmful influence by a chemical reaction at high humidity.
- 5.7 If the fan is reinstalled, please pay special attention to the noise due to the vibration (or resonance).
- 5.8 During the testing of the fan, please make sure the finger guard is used for safety.

6.0 ELECTRICAL INSPECTION

6.1 Insulation Resistance

Not less than 10M ohm between housing and positive end of lead wire (red) at 500V DC. 6.2 Dielectric Strength

- No damage should be found at 500 VAC for 60 seconds, measured with 1mA trip current between housing and positive end of lead wire.
- 6.3 Life Expectancy

The continous duty life at given temperature after which, 90% of testing units shall still be running.

6.4 While the fan is running, do not intentionally lock the fan for a long time since the overheating of the motor produced by the long-time locking will damage the fan.

7.0 ENVIRONMENTAL

- 7.1 Improper use such as disassembling the fan, being covered with dust, or dipping the fan in water that results in defects is not covered in the warranty. Do not use the fan in the environment with corrosive air or liquid.
- 7.2 Operating Temperature / Humidity
 - -10°C to +70°C at humidity 65%+/-20% RH.
- 7.3 Storage Temperature

All function shall be normal after 500 hours storage at -40° C to $+70^{\circ}$ C with a 24 hour recovery period at room temperature.

7.4 Humidity

After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specificaiton.

7.5 Do not place or store the fan in the environment with high/low temperature/humidity. If the fan is stored for more than 6 months, functional test is highly recommended before using.



ADDA CORPORATION

SPECIFICATION





Output of locked signal

*Output type.....Open collector type

*Electrical design suggestion:

(External signal function design is decided by customer)



*Transistor Q1 at "ON" position Collector current.....I_c=10mA Max Saturation Voltage.....V_{oL}=1.0V Max (Between Collector and Emitter at I_c=10mA) *Transistor Q1 at "OFF" position Release Voltage.....V_{OH}=30V Max







* Sleeve 與 Hypro軸承裝置說明:



*Sleeve 與 Hypro軸承有裝置上的受限,不正常區域的運用(Improper)可能有共震與噪音的現像產生.

• Please be cautions sleeve and hypro bearing fans mounting. Improper mounting of the fan may cause excess resonance • vibration and subsequent noise.





Zertifikat Certificate	е	E.
Zertifikat Nr. Certificate No.Blatt IR 501566930113	-	TÜVRheinland
	-	usstellungsdatum Date of Issue 09.01.2017 (day/mo/yr)
Genehmigungsinhaber License Holder Adda Corporation 6, East Section, Industry Pingtung City 900 Taiwan, R.O.C.	6 Road (Kunshan), No. 88, Jia Zhangpu Tow	ic Machinery Technology Co., Ltd. ngfeng Road
	eprüft nach Tested acc. to EN 60950-1:2006+A11+A1+A	A12+A2
Zertifiziertes Produkt (Geräteidentifika Certified Product (Product Identific		た Lizenzentgelte - Einheit License Fee - Unit
<u>Ventilator</u> (DC Fan)	2017.0	<u>音</u>
wie Blatt (as page) 01, Ergänz	zung (Addition)	ブ
(Type Designation) 2) AD08024	21Z2257Z304 (ADDA,BERFLO) 21Z2257Z304 (ADDA,BERFLO) 221Z2207Z300 (ADDA,BERFLO)	1 1 1
3) AD06012	dibber about the second	
Zl steht für : 1) X, U, H (stands for) 2) U, H od	Hoder (or) M der (or) M	1
Zl steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode	Hoder (or) M der (or) M H, M, Loder (or) D	1 1
Zl steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode (stands for)	Hoder (or) M der (or) M H, M, Loder (or) D er (or) X B, 9, Boder (or) F (or) 6	
<pre>Z1 steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode (stands for) Z3 steht für : 1) 1, 2, 3 (stands for) 2) 0 oder</pre>	Hoder (or) M der (or) M H, M, Loder (or) D er (or) X B, 9, Boder (or) F (or) 6 der (or) 3	1
<pre>Z1 steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode (stands for) Z3 steht für : 1) 1, 2, 3 (stands for) 2) 0 oder 3) 1, 2 od Nennspannung : 1-2) DC 24</pre>	Hoder (or) M der (or) M H, M, Loder (or) D er (or) X B, 9, Boder (or) F (or) 6 der (or) 3 EV EV age	1
<pre>Z1 steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode (stands for) Z3 steht für : 1) 1, 2, 3 (stands for) 2) 0 oder 3) 1, 2 od Nennspannung : 1-2) DC 24 (Rated Voltage) 3) DC 12 Nennstrom : siehe Anla (Rated Current) (see appen)</pre>	Hoder (or) M der (or) M H, M, Loder (or) D er (or) X B, 9, Boder (or) F (or) 6 der (or) 3 EV EV age	1
<pre>Z1 steht für : 1) X, U, H (stands for) 2) U, H od 3) X, U, H Z2 steht für : 1-3) B ode (stands for) Z3 steht für : 1) 1, 2, 3 (stands for) 2) 0 oder 3) 1, 2 od Nennspannung : 1-2) DC 24 (Rated Voltage) 3) DC 12 Nennstrom : siehe Anlag</pre>	A oder (or) M der (or) M H, M, L oder (or) D er (or) X B, 9, B oder (or) F (or) 6 der (or) 3 W W W age ndix) ung zugrunde und es bestätigt die Konformität üfgrundlagen Zusätzliche Anforderungen erden soll, müssen zusätzlich duktes wird überwacht Regulation and states the conformity ts as indicated above. Any additional be marketed have to be considered	1 1

19/020 d 04.08 @ TUV, TUEV and TUV are registered trademerts. Utilization and application requires prior approvel.

rvel.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for DC Fans category:

Click to view products by ADDA manufacturer:

Other Similar products are found below :

614R AUB0612L AFB0948HH-S687 G2E085-AA05-10 4318/12T AUB0912H-F00 3412N/2ME W2G110-AM39-01 8412GLV 8412NGL-12 6448-384 4114N/17-251 4318/2R 4412F/2D 424JMU 4414/2HH 4112 N/12GL-175 9GA0912F402 9GA0812B20011 AFB0824SHBAV1 DV5214/2NP-230 9GA0912H4021 THC1548MGDJJ 9GA0812B2001 GFB1224SHG 8500NU 9WG1212E101-E 3241.124 DC0401012V2B-3T0 ASFP14391 ASFP64371 ASFP64391 ASFP84391 ASFP92391 9A0612G402 AD5012HB-C71 AD5012MB-C71 ASFP84372 ASFP64372 31100-000440-RS 026758A 514F MEC0381V1-000U-G99 4292 MF60152V1-1000U-G99 3610KL-04W-B50-D00 109P0412K3023 EE92251B1-000U-F99 8218J/2H4P PF60381B1-000U-S99