





# SPECIFICATION FOR APPROVAL

TO : \_\_\_\_\_

REF. No. \_\_\_\_\_

APPROVED DATE 	CHECKED DATE  	PREPARED DATE 
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MODEL No. AD0512HB-D71 P.S. \_\_\_\_\_

DESCRIPTION: DC FAN REV. A

ID No. \_\_\_\_\_

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UNLESS OTHERWISE REVISED, THIS SPECIFICATION WILL BE FINAL FOR  
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**ADDA** ADDA CORPORATION

ISO 9001:1994  
QS-9000:1998  
Certificate No. A8035

BRUSHLESS AXIAL COOLING FANS

Customer :	Ref:																																		
Adda Model No. : AD0512HB-D71																																			
Samples attached : , piece(s),																																			
Safety Approval : UL, CUL, TUV, CE																																			
<p>Specifications</p> <p>=====</p> <table border="1"> <thead> <tr> <th>ITEM</th> <th>SPECIFICATION / CONDITION</th> </tr> </thead> <tbody> <tr> <td>DIMENSIONS</td> <td>: 52x52x15 MM</td> </tr> <tr> <td>BEARING TYPE</td> <td>: BALL</td> </tr> <tr> <td>RATED VOLTAGE</td> <td>: 12.0 VDC</td> </tr> <tr> <td>OPERATING VOLTAGE RANGE</td> <td>: 10.8 VDC - 13.2 VDC</td> </tr> <tr> <td>START-UP VOLTAGE</td> <td>: 9.0 VDC, NOMINAL</td> </tr> <tr> <td>RATED CURRENT</td> <td>: 0.100 Amp. + 10% MAX</td> </tr> <tr> <td>RATED POWER</td> <td>: 1.20 Watt.</td> </tr> <tr> <td>RATED SPEED</td> <td>: 4600 RPM ± 10%</td> </tr> <tr> <td>AIR FLOW</td> <td>: 12.0 CFM</td> </tr> <tr> <td>STATIC AIR PRESSURE</td> <td>: 0.166 Inch Water</td> </tr> <tr> <td>NOISE LEVEL</td> <td>: 28.7 dB</td> </tr> <tr> <td>MOTOR PROTECTION</td> <td>: BY IC</td> </tr> <tr> <td>CONNECTION LEAD TYPE</td> <td>: WIRE, AWG#26</td> </tr> <tr> <td>LIFE EXPECTANCY</td> <td>: 50000 Hours at 25°C</td> </tr> <tr> <td>NET WEIGHT</td> <td>: 36 Gram.</td> </tr> <tr> <td>PACKING</td> <td>: 480 pcs. per Export Carton.</td> </tr> </tbody> </table>		ITEM	SPECIFICATION / CONDITION	DIMENSIONS	: 52x52x15 MM	BEARING TYPE	: BALL	RATED VOLTAGE	: 12.0 VDC	OPERATING VOLTAGE RANGE	: 10.8 VDC - 13.2 VDC	START-UP VOLTAGE	: 9.0 VDC, NOMINAL	RATED CURRENT	: 0.100 Amp. + 10% MAX	RATED POWER	: 1.20 Watt.	RATED SPEED	: 4600 RPM ± 10%	AIR FLOW	: 12.0 CFM	STATIC AIR PRESSURE	: 0.166 Inch Water	NOISE LEVEL	: 28.7 dB	MOTOR PROTECTION	: BY IC	CONNECTION LEAD TYPE	: WIRE, AWG#26	LIFE EXPECTANCY	: 50000 Hours at 25°C	NET WEIGHT	: 36 Gram.	PACKING	: 480 pcs. per Export Carton.
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# SPECIFICATION

## 5.0 MECHANICAL INSPECTION

### 5.1 Rotation Direction

Clockwise with label side facing up. The same direction also indicated by an arrow mark on one side of the housing.

### 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.

## 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 1,500 VAC for 60 seconds, measured with 5mA trip current between housing and positive end of lead wire.

### 6.3 Life Expectancy

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

## 7.0 ENVIRONMENTAL

### 7.1 Operating Temperature / Humidity

-10°C to +70 at humidity 65%±20% RH.

### 7.2 Storage Temperature

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

### 7.3 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 specification.



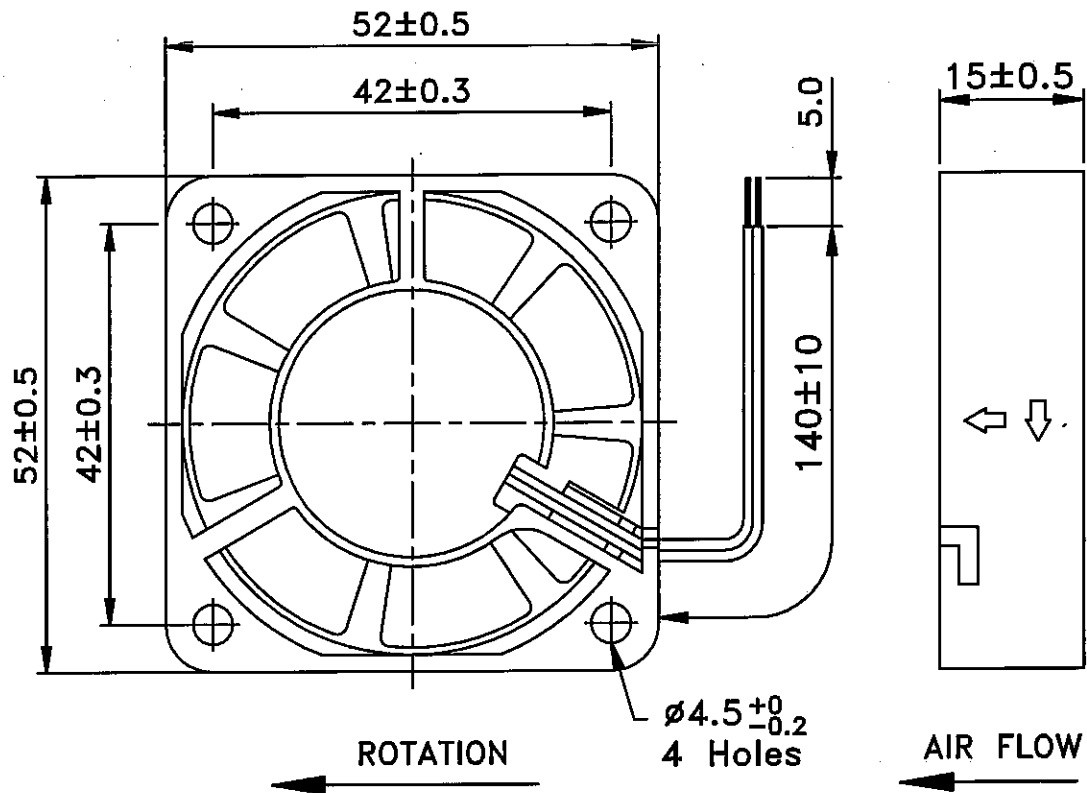
# SPECIFICATION

## 8.0 REMARKS

- 8.1 Material and construction are subject to change without advance notice. The changes should be within specification.
- 8.2 All fans shall meet the quality inspection under sampling plan MIL-STD-105D as follow:

Critical	0.25%
Major	1.00%
Minor	2.50%

## 9.0 OUTLINE STYLING & DIMENSIONS



please do not touch and push Fan Blade with fingers or others.  
 Fan Blade and Ball Bearings may be damaged.  
 And it causes noise defect.

LEAD WIRES : UL 1007, AWG26 , L = 140 +/- 10 MM  
 Red = positive ; Black = negative.



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ADDA CORP  
MR R SHIEH  
NO 6 E SECTION INDUSTRY 6 RD  
PING TUNG TAIWAN

RE: Project Number(s) - 01NK02166

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your project.

For information on placing an order for UL Listing Cards in a 3 x 5 inch format, please refer to the enclosed ordering information.

GPWV2  
Fans, Electric - Component

February 27, 2001

ADDA CORP  
NO 6 E SECTION INDUSTRY 6 RD, PING TUNG TAIWAN

E132139

Models AD0412HB-C70, -C71, AD0412HS-C70, -C71, AD0412MB-C70, -C71, AD0412MS-C70, -C71, AD0412LB-C70, -C71, AD0412LS-C70, -C71, AD06(A)(B)(C)-(F), AD0605M(C)-A70GL, AD0612(B)(C)-(E), AD08(A)(B)(C)-(D), AD08(A)(B)(C)-(G), AD0812H(C)-A74GL where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B, S or X, (D) may be A70GL, A71GL, A76GL, (E) may be C70GL, C71GL, (F) may be A70GL, A71GL, A72GL or A73GL, (G) may be A72GL, A73GL.  
Models AD08(A)(B)(C)-A(D), AD08(A)(B)X-A(E), AD09(A)(B)(C)-A(D), AD09(A)(B)(F)-(G), AD12(A)(B)(C)-A(E), AD12(A)(B)(F)-A71GL, -A72GL where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B or S, (D) may be 50, 51, 70, 71 or 72, (E) may be 70 or 71, (F) may be B, S or X, (G) may be A70GL or A72GL.  
Models AD0205(A)(B)-(C)(D), AD0212(A)(B)-(C)(D), AD0305(A)(B)-(C)(D), AD0312(A)(B)-(C)(D), AD2005(A)(B)-(C)(D), AD2012(A)(B)-(C)(D) where (A) may be D, H, L or M, (B) may be B, S or X, (C) may be G, (D) may be 50 or 70.  
Model AD2512HB-BV7.  
Models AD0305(D)(B)-G56, AD0312L(B)-G50, AD0405(A)(B)-C50, AD0412(B)(C)-C50, where (A) may be L or M, (B) may be B, S or X, (C) may be H, L or M, (D) may be D or L.  
Models AD0405LX-K90, AD0405MX-K90, AD0412MX-K90, AD0512LX-G70, AD0512MX-G70, AD0612HY-D74GL, where (Y) may be B, S or X, (X) may be B or X.  
Model AD0(A)(B)(C)(D)(E)-C7(F) where (A) may be 8 or 9, (BC) may be 12 or 24, (D) may be H or M, (E) may be B, S or X, (F) may be 0 or 1.  
Model AD(A)(B)(C)(D)-(E)(F), (A) may be 02, 04, 05, 08, (B) may be 05, 12 or 24, (C) may be H, M or L, (D) may be S, X or B, (E) may be D or G or K, (F) may be 53, 70, 71, 72, 76.  
Model ADabcd - efgh, where (a) may be 04, 06, 08 or 09, (b) may be 05, 12 or 48, (c) may be U, H, M or L, (d) may be B, S or X, (e) may be A, D, G, J or K, (f) may be 7, 9, A or C, (g) may be 0, 1, 3 or 6, and (h) may be GL or blank.  
Models AD12(A)(B)(C)-F5(D), AD1212H(C)-F5(E), AD1224H(C)-F5(F), AD1226H(C)-F51 where (A) may be 12, 24 or 48, (B) may be H, M or L, (C) may be S, B, V or X, (D) may be 1, 2 or 3, (E) may be 4, 5, 6 or 7, (F) may be 4 or 6.  
Models AD12(A)(B)(C)-A(E), AD12(A)(B)(D)-A(E)GL, where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B or S, (D) may be B, S or X, (E) may be 70 or 71.  
Models AD2512(A), AD2524(A) where (A) may be MB, MS or MX.  
Models AD08, AD09 followed by (A)(B)(C)-A5(D) where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B or S, (D) may be 2 or 3.  
Models AD0212HB-G71, AD0405HB-G91, AD0405HS-G91, AD0405MB-E81, -G91, AD0405MS-G91, AD0406MB-E81, AD0412HB-E81, -G91, AD0412HS-E81, -G91, AD0412LB-E81, AD0412LS-E81, AD0412MB-E81, -G91, AD0412MS-E81, -G91, AD0605HB-D71, AD0606HB-D71, AD0612HB-D71, AD0612HS-D71, AD0612LB-D71, AD0612LS-D71, AD0612MB-D71, AD0612MS-D71.  
Models AD0 followed by 6 or 8, followed by 12 or 24, followed by H, L or M, followed by S or B, followed by A or C, followed by 50GL, 51GL, 70GL or 71GL.  
Model AD75(A)(B)(C), where (A) may be 12 or 24, (B) may be H or M, (C) may be B, S or X.  
Models AD04(A)(B)(C)-G70, AD0403L(C)-G70, AD0405(D)(C)-K96, AD0424(B)(C)-C70, where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X, (D) may be H, L or M; Model BD0412MS-G70.  
Model AD04(A), (B), (C), (D) or (E), where (A) may be 05, 12 or 24, (B) may be H, L or M, (C) may be B, S or X, (D) may be C or K, (E) may be 50, 51, 52, 53, 56 or C3.  
Models AA128(A)(B)(C)-(D), AA838(A)(E)(C)-(F), where (A) may be 1 or 2, (B) may be D, H, L or M, (C) may be B, S or X, (D) may be AW, PT or PW, (E) may be H or M, (F) may be AT or AW.

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Model AD0612UB-D72GL.  
 Models AA1281U(A)-(B), AA1282U(A)-(B), where (A) may be B, S or X, (B) may be AT or AW.  
 Model AD05(A)(B)(C)-(D), AD0505(E)(C)-G76, AD0512(E)(C)-(F), AD0512M(C)-D76, where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X, (D) may be D70, D71 or G90, (E) may be H, L or M, (F) may be G70 or G76.  
 Models AD08(A)(B)(C)-D71, AD08(D)UB-A(E)GL, AD0812(B)B-D74 where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X, (D) may be 12 or 24, (E) may be 71, 72 or 73.  
 Models AD06(A)(B)(C)-(E), AD06(A)(D)(C)-G90, AD0612(D)(C)-G96, where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X, (D) may be H, L or M, (E) may be D71GL, D72GL or D73GL.  
 Model AD02(A)(B)-C70, where (A) may be 05 or 12, (B) may be B, S or X; Model AD0205L(C)-G50, where (C) may be B or X.  
 Models AD09(A)H(C)-A74GL, AD0912(B)(C)-A76GL, where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B, S or X.  
 Models AD0912(A)(Y)-(A)(W)GL, AD0912(A)(Y)-A2GL, where (A) may be H, L, M or U, (Y) may be B, S or X, (W) may be 71, 72 or 73.  
 Model AD0924XY-A7ZGL.  
 Models AD4505H(B)-G70, AD4512(A)(B)-(C), where (A) may be H or M, (B) may be B, S or X, (C) may be C7 or G76.  
 Model AD1224(A)(B)-A74GL, where (A) may be H, L or M, (B) may be B, S or X.  
 Models AD0305L(X)-K70, AD0312L(X)-K70 where (X) may be B or X; Model AD0424MB-G70.  
 Models AD0412H(Y)-D50, AD0412H(Y)-D56, AD0412L(Y)-D50, AD0412L(Y)-D56, AD0412M(Y)-D50, AD0412M(Y)-D56 where (Y) may be B, S or X.  
 Model AD0612M(B)-D70GL where (B) may be B, S or X; Model AD0812MB-D76.  
 Models AD0612H(Y)-A76GL, AD0612L(Y)-A76GL, AD0612M(Y)-A76GL where (Y) may be B, S or X.  
 Models AD0612D(Y)-D70GL, AD0612D(Y)-D76GL, AD0612H(Y)-D70GL, AD0612H(Y)-D76GL, AD0612L(Y)-D70GL, AD0612L(Y)-D76GL, AD0612M(Y)-D70GL, AD0612M(Y)-D76GL, AD0624H(Y)-D70GL, AD0624H(Y)-D76GL, AD0624M(Y)-D70GL, AD0624M(Y)-D76GL, where (Y) may be B, S or X.  
 Models AD0305L(X)-K70, AD0312L(X)-K70, where (X) may be B or X; Model AD0424MB-G70.  
 Model AD0612M(B)-D70GL, where (B) may be B, S or X; Model AD0812MB-D76.  
 Models AD0612H(Y)-A76GL, AD0612M(Y)-A76GL, AD0612L(Y)-A76GL, where (Y) may be B, S or X.  
 Model AD0624UX-A79GL.  
 Models AD0612XY-C72GL, AD0612XY-C73GL, AD0612XY-C76GL, AD0624XY-C70GL, AD0624XY-C76GL Series where X may be H, L or M, Y may be B, S or X.  
 Model AP45(A)(B)(C)-J(D), where (A) may be 05 or 12, (B) may be H, M or L, (C) may be B or X, (D) may be J or G, (E) may be 90 or 96.  
 Model AD(P1)(P2)(P3)(P4)-G(P5), where (P1) may be 04, 05, or 45, (P2) may be 05, 12, or 24, (P3) may be L, M, H or U, (P4) may be B, X, or S, and (P5) may be 70 or 76.  
 Models AD02(A)(B)(C)-(D)(E), AD03(A)(B)(C)-(D)(E), AD35(A)(B)(C)-(D)(E), where (A) may be 05 or 12, (B) may be L, M and D, (C) may be B or X, (D) may be G or D, (E) may be 50 or 53.  
 Model AD12(X1)(X2)(X3)-F(X4), where (X1) may be 12, 24 or 48, (X2) may be H, L, M or U, (X3) may be B, S or X, (X4) may be 51, 52 or 53.  
 Model Atu05vw-xyz, where t may be B or D, u may be 03, 04, 05 or 45, v may be H, L or M, w may be B, S or X, x may be G or R, y may be 7, B or D, z may be 1, 3 or B.  
 Model AD(A)48H(B)-(C)(D)8(E), where (A) may be 08, 09 or 12, (B) may be B, S or X, (C) may be A or F, (D) may be 5 or 7, (E) may be GL or blank.  
 Model AD(A)24(B)(C)-A7(D)GL, where (A) may be 09 or 12, (B) may be H or M, (C) may be B, S or X, and (D) may be 4 or A.  
 Model AD0505(A)(B)-G70, where (A) may be H, M or L, and (B) may be B, S or X.  
 Models AD0524HB-G70, AD0524HS-G70, AD0524HX-G70, AD0524MB-G70, AD0524MS-G70, AD0524MX-G70, AD0524LB-G70, AD0524LS-G70, AD0524LX-G70, AD0524HB-G76, AD0524HS-G76, AD0524HX-G76, AD0524MB-G76, AD0524MS-G76, AD0524MX-G76, AD0524LB-G76, AD0524LS-G76, AD0524LX-G76, AD0612UB-A71GL, AD0612US-A71GL, AD0612UX-A71GL, AD0612UB-A72GL, AD0612US-A72GL, AD0612UX-A72GL, AD0612UB-A73GL, AD0612US-A73GL, AD0612UX-A73GL.


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RE: Project Number(s) - 01NK02166

Your most recent listing is shown below. Please review this information and report any inaccuracies to the UL Engineering staff member who handled your project.

For information on placing an order for UL Listing Cards in a 3 x 5 inch format, please refer to the enclosed ordering information.

GPWVS February 27, 2001  
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E132139

Models AD08(A)(D)(C)-C70, AD09(A)(B)(C)-C70, where (A) may be 12 or 24, (B) may be H or M, (C) may be B or S, (D) may be H, L or M.  
Models AD0205(A)(B)-(C)(D), AD0212(A)(B)-(C)(D), AD0305(A)(B)-(C)(D), AD0312(A)(B)-(C)(D), AD2005(A)(B)-(C)(D), AD2012(A)(B)-(C)(D)  
where (A) may be D, H, L or M, (B) may be B, S or X, (C) may be G, (D) may be 50 or 70.

Model AD2512HB-BV7.

Models AD04(A)(B)(C)-G70, AD0403L(C)-G70, AD0405(D)(C)-X96, AD0424(B)(C)-C70, where (A) may be 05 or 12, (B) may be H or M, (C)  
may be B, S or X, (D) may be H, L or M; Model BD0412MS-G70.

Model AD04(A), (B), (C), (D) or (E), where (A) may be 05, 12 or 24, (B) may be H, L or M, (C) may be B, S or X, (D) may be C or K, (E)  
may be 50, 51, 52, 53, 56 or C3.

Models AA12S(A)(B)(C)-(D), AA83S(A)(E)(C)-(F), where (A) may be 1 or 2, (B) may be D, H, L or M, (C) may be B, S or X, (D) may be AT,  
AW, PT or PW, (E) may be H or M, (F) may be AT or AW.

Model AD0612UB-D72GL.

Models AA12S1U(A)-(B), AA12S2U(A)-(B), where (A) may be B, S or X, (B) may be AT or AW.

Models AD09(A)(B)(C)-A70GL, AD12(A)(B)(C)-A71GL, AD12(A)(B)(C)-A72GL, where (A) may be 12 or 24, (B) may be H, L or M, (C) may  
be B, S or X.

Models AD0912(A)(Y)-A(W)GL, AD0912(A)(Y)-A2GL, where (A) may be H, L, M or U, (Y) may be B, S or X, (W) may be 71, 72 or 73.

Models AD05(A)(B)(C)-(D), AD0505(E)(C)-G76, AD0512(E)(C)-(F), AD0512M(C)-D76, where (A) may be 05 or 12, (B) may be H or M, (C)  
may be B, S or X, (D) may be D70, D71 or G90, (E) may be H, L or M, (F) may be G70 or G76.

Models AD08(A)(B)(C)-D71, AD08(D)UB-A(E)GL, AD0812(B)B-D74 where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X,  
(D) may be 12 or 24, (E) may be 71, 72 or 73.

Models AD06(A)(B)(C)-(E), AD06(A)(D)(C)-G90, AD0612(D)(C)-G96, where (A) may be 05 or 12, (B) may be H or M, (C) may be B, S or X,  
(D) may be H, L or M, (E) may be D71GL, D72GL or D73GL.

Models AD0305(D)(B)-G56, AD0312L(B)-G50, AD0405(A)(B)-C50, AD0412(B)(C)-C50, where (A) may be L or M, (B) may be B, S or X, (C)  
may be H, L or M, (D) may be D or L.

Model Atu05vw-xyz, where t may be B or D, u may be 03, 04, 05 or 45, v may be H, L or M, w may be B, S or X, x may be G or R, y may  
be 7, B or D, z may be 1, 3 or B.

Model AD2512(A), where (A) may be MB, MS or MX.

Model AD0812H(C)-A74GL, where (C) may be B, S or X.

Models AD12(A)(B)(F)-A72G2, AD12(A)(B)(F)-A71GL, where (A) may be 12 or 24, (B) may be H, L or M, (F) may be B, S or X.

Model AD12(X1)(X2)(X3)-F(X4), where (X1) may be 12, 24 or 48, (X2) may be H, L, M or U, (X3) may be B, S or X, (X4) may be 51, 52 or 53.

Model AD09(A)(B)(F)-(G), (A) may be 12 or 24, (B) may be H, L or M, (F) may be B, S or X, (G) may be AD0GL or AD2GL.

Model AD02(A)L(B)-G70, where (A) may be 05 or 12, (B) may be B, S or X; Model AD0205L(C)-G50, where (C) may be B or X.

Model AD75(A)(B)(C), where (A) may be 12 or 24, (B) may be H or M, (C) may be B, S or X.

Models AD09(A)H(C)-A74GL, AD0912(B)(C)-A76GL, where (A) may be 12 or 24, (B) may be H, L or M, (C) may be B, S or X.

Model AD0924XY-A72GL.

Models AD4505H(B)-G70, AD4512(A)(B)-(C), where (A) may be H or M, (B) may be B, S or X, (C) may be G70 or G76.

Model AD1224(A)(B)-A74GL, where (A) may be H, L or M, (B) may be B, S or X.

Models AD0305L(X)-K70, AD0312L(X)-K70 where (X) may be B or X; Model AD0424MB-G70.

Models AD0612M(B)-D70GL, where (B) may be B, X or S; Model AD0812MB-D76.




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Page 1 of 2

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dedicated to public safety and  
property protection.



Models AD0612H(Y)-A76GL, AD0612M(Y)-A76GL, AD0612L(Y)-A76GL, where (Y) may be B, S or X.  
 Models AD0305L(X)-K70, AD0312L(X)-K70 where (X) may be B or X; Model AD0424MB-G70.  
 Models AD0412H(Y)-D50, AD0412H(Y)-D56, AD0412L(Y)-D50, AD0412L(Y)-D56, AD0412M(Y)-D50, AD0412M(Y)-D56 where (Y) may be B, S or X.  
 Model AD0612M(B)-D70GL where (B) may be B, S or X; Model AD0812MB-D76.  
 Models AD0612H(Y)-A76GL, AD0612L(Y)-A76GL, AD0612M(Y)-A76GL where (Y) may be B, S or X.  
 Models AD0612D(Y)-D70GL, AD0612D(Y)-D76GL, AD0612H(Y)-D70GL, AD0612H(Y)-D76GL, AD0612L(Y)-D70GL, AD0612L(Y)-D76GL, AD0612M(Y)-D70GL, AD0612M(Y)-D76GL, AD0624H(Y)-D70GL, AD0624H(Y)-D76GL, AD0624M(Y)-D70GL, AD0624M(Y)-D76GL, where (Y) may be B, S or X.  
 Model AD0624UX-A79GL.  
 Models AD0612XY-C72GL, AD0612XY-C73GL, AD0612XY-C76GL, AD0624XY-C70GL, AD0624XY-C76GL Series where X may be H, L or M, Y may be B, S or X.  
 Model AP45(A)(B)(C)-J(D), where (A) may be 05 or 12, (B) may be H, M or L, (C) may be B or X, (D) may be J or G, (E) may be 90 or 96.  
 Models AD(P1)(P2)(P3)(P4)-G(P5), where (P1) may be 04, 05, or 45, (P2) may be 05, 12, or 24, (P3) may be L, M, H, or U, (P4) may be B, X, or S, and (P5) may be 70 or 76.  
 Models AD02(A)(B)(C)-(D)(E), AD03(A)(B)(C)-(D)(E) and AD35(A)(B)(C)-(D)(E), where (A) may be 05 or 12; (B) may be L, M and D; (C) may be B or X; (D) may be G or D; (E) may be 50 or 53.  
 Model AD(A)(B)(C)(D)-(E)(F), (A) may be 02, 04, 05, 08, (B) may be 05, 12 or 24, (C) may be H, M or L, (D) may be S, X or B, (E) may be D or G or K, (F) may be 53, 70, 71, 72, 76.  
 Model ADabcd - efgh, where (a) may be 04, 06, 08 or 09, (b) may be 05, 12 or 48, (c) may be U, H, M or L, (d) may be B, S or X, (e) may be A, D, G, J or K, (f) may be 7, 9, A or C, (g) may be 0, 1, 3 or 6, and (h) may be GL or blank.  
 Model AD(A)48H(B)-(C)(D)8(E), where (A) may be 08, 09 or 12, (B) may be B, S or X, (C) may be A or F, (D) may be 5 or 7, (E) may be GL or blank.  
 Model AD(A)24(B)(C)-A7(D)GL, where (A) may be 09 or 12, (B) may be H or M, (C) may be B, S or X, and (D) may be 4 or A.  
 Model AD0505(A)(B)-G70, where (A) may be H, M or L, and (B) may be B, S or X.  
 Models AD0524HB-G70, AD0524HS-G70, AD0524HX-G70, AD0524MB-G70, AD0524MS-G70, AD0524MX-G70, AD0524LB-G70, AD0524LS-G70, AD0524LX-G70, AD0524HB-G76, AD0524HS-G76, AD0524HX-G76, AD0524MB-G76, AD0524MS-G76, AD0524MX-G76, AD0524LB-G76, AD0524LS-G76, AD0524LX-G76, AD0612UB-A71GL, AD0612US-A71GL, AD0612UX-A71GL, AD0612UB-A72GL, AD0612US-A72GL, AD0612UX-A72GL, AD0612UB-A73GL, AD0612US-A73GL, AD0612UX-A73GL.

Marking: Company name, model designation and the Recognized Component Mark for Canada, .

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.



# Zertifikat Certificate



Zertifikat Nr. Certificate No. Blatt Page

Acta: James

**TÜV Rheinland**

R 9552018

01

Ihr Zeichen Client Reference

D.L.

Unser Zeichen Our Reference

943-RK/yy-E 9562025E01

Ausstellungsdatum Date of Issue

19.01.1995 (day/mo/yr)

Genehmigungsinhaber License Holder

Adda Corporation

Fertigungsstätte Manufacturing Plant

Adda Corporation

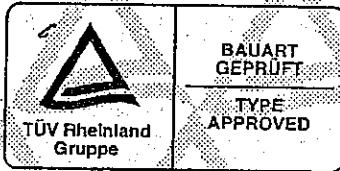
6, East Section, Industry 6 Road  
Ping Tung City 900  
Taiwan, R.O.C.

6, East Section, Industry 6 Road  
Ping Tung City 900  
Taiwan, R.O.C.

Genehmigtes Prüfzeichen  
Licensed Test Mark

Geprüft nach  
Tested Acc. to

DIN VDE 0700 T1/04.88



Zertifiziertes Produkt (Gerätebeschreibung)  
Certified Product (Description of Equipment)

Lizenzentgelte - Einheit  
License Fee - Unit

EINBAU-AXIALVENTILATOR (DC-Fan)

Bezeichnung : AD0505X<sub>1</sub>X<sub>2</sub>-D71  
(Type Designation)

AD0512X<sub>1</sub>X<sub>2</sub>-D71

5  
1

X<sub>1</sub> steht für (stands for): H oder (or) M  
X<sub>2</sub> steht für (stands for): S oder (or) B

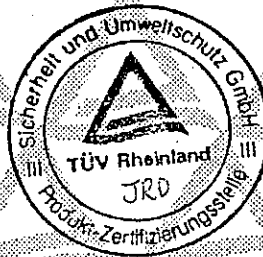
1  
1

Nennspannung : DC 5V  
(Rated Voltage)

DC 12V

Fortsetzung Blatt 02 (continued on page 02)

ANLAGE (Appendix): 1



E/00740

Zertifizierungs- und Prüfstelle  
für Gerätesicherheit  
Produktzertifizierung

Dem Zertifikat liegt die Prüfzeichenordnung der Prüfstelle zugrunde  
The Test Mark Regulation is an integral part of this certificate

*K. Heinz*  
i. A. Dipl.-Ing. K. Heinz