

# DATA - SHEET

Engineering

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## BRUSHLESS AXIAL COOLING FANS

| Customer :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         | Ref: (LF)                                                                                                                                                                                                                                             |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------|--------------|-----------------|--------------|--------|-------|-------------------|-------------------------|-----------------|---------------------|--------------|---------------|-----------------|-------------|------------------|-------------|------------------------------|----------|---------------------------------------------------------|---------------------|-------------------------------------------------------|-------------|-------------------------|------------|--------------|---------|------------------------------|
| Adda Model No : AK1861HB P.S:(AW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| Samples attached : Piece(s),                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| Safety Approval : UL,CUL,TUV,CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| <u>Specifications</u> <table border="1"> <thead> <tr> <th>ITEM</th> <th>SPECIFICATION / CONDITION</th> </tr> </thead> <tbody> <tr> <td>MEASUREMENTS</td> <td>: 180x180x65 MM</td> </tr> <tr> <td>BEARING TYPE</td> <td>: BALL</td> </tr> <tr> <td>RATED</td> <td>: 110 VAC +/- 10%</td> </tr> <tr> <td>OPERATING VOLTAGE RANGE</td> <td>: 100 — 120 VAC</td> </tr> <tr> <td>OPERATING FREQUENCY</td> <td>: 50 / 60 Hz</td> </tr> <tr> <td>RATED CURRENT</td> <td>: 0.53 / 0.50 A</td> </tr> <tr> <td>INPUT POWER</td> <td>: 50 / 52 Watt .</td> </tr> <tr> <td>RATED SPEED</td> <td>: 2650 / 3200 RPM + / - 10 %</td> </tr> <tr> <td>AIR FLOW</td> <td>: 318.0 / 382.0 CFM<br/>( min at zero static pressure. )</td> </tr> <tr> <td>STATIC AIR PRESSURE</td> <td>: 0.606 / 0.787 INCH-H2O<br/>( min at zero air flow. )</td> </tr> <tr> <td>NOISE LEVEL</td> <td>: 70.0 / 72.0 dB (A) ±2</td> </tr> <tr> <td>NET WEIGHT</td> <td>: 1800 Gram.</td> </tr> <tr> <td>PACKING</td> <td>: 10 pcs. Per Export Carton.</td> </tr> </tbody> </table> |                                                         |                                                                                                                                                                                                                                                       | ITEM | SPECIFICATION / CONDITION | MEASUREMENTS | : 180x180x65 MM | BEARING TYPE | : BALL | RATED | : 110 VAC +/- 10% | OPERATING VOLTAGE RANGE | : 100 — 120 VAC | OPERATING FREQUENCY | : 50 / 60 Hz | RATED CURRENT | : 0.53 / 0.50 A | INPUT POWER | : 50 / 52 Watt . | RATED SPEED | : 2650 / 3200 RPM + / - 10 % | AIR FLOW | : 318.0 / 382.0 CFM<br>( min at zero static pressure. ) | STATIC AIR PRESSURE | : 0.606 / 0.787 INCH-H2O<br>( min at zero air flow. ) | NOISE LEVEL | : 70.0 / 72.0 dB (A) ±2 | NET WEIGHT | : 1800 Gram. | PACKING | : 10 pcs. Per Export Carton. |
| ITEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPECIFICATION / CONDITION                               |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| MEASUREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | : 180x180x65 MM                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| BEARING TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | : BALL                                                  |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| RATED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : 110 VAC +/- 10%                                       |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| OPERATING VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : 100 — 120 VAC                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| OPERATING FREQUENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : 50 / 60 Hz                                            |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | : 0.53 / 0.50 A                                         |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| INPUT POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : 50 / 52 Watt .                                        |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| RATED SPEED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : 2650 / 3200 RPM + / - 10 %                            |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| AIR FLOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | : 318.0 / 382.0 CFM<br>( min at zero static pressure. ) |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| STATIC AIR PRESSURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | : 0.606 / 0.787 INCH-H2O<br>( min at zero air flow. )   |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| NOISE LEVEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : 70.0 / 72.0 dB (A) ±2                                 |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| NET WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | : 1800 Gram.                                            |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | : 10 pcs. Per Export Carton.                            |                                                                                                                                                                                                                                                       |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
| ADDA CORPORATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Model No.: AK1861HB P.S:(AW)                            | <div style="border: 2px solid red; padding: 5px; color: red;">           勝特力材料 886-3-5753170<br/>           勝特力电子(上海) 86-21-54151736<br/>           勝特力电子(深圳) 86-755-83298787<br/> <a href="http://www.100y.com.tw">Http://www.100y.com.tw</a> </div> |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         | Page 1/5                                                                                                                                                                                                                                              |      |                           |              |                 |              |        |       |                   |                         |                 |                     |              |               |                 |             |                  |             |                              |          |                                                         |                     |                                                       |             |                         |            |              |         |                              |

## MODEL NUMBERING SCHEME

AD 06 12 H X - A 7 3 GL

風扇型態: GL=低噪音; Blank=標準型

馬達保護線路與第三導線輸出:

0=晶體版板 3=轉速檢測信號輸出(FG) I C 版 7=雙速度 A=VS+RD  
1=I C 版板板 4=溫控板板 (VS) 8=溫控+轉速檢測信號輸出(VS+FG)  
2=警告信號輸出(RD) 9=轉速檢測信號輸出(FG)晶體版 9=脈波調控轉速(PWM)

扇葉片數: 3=3 葉片; 5=5 葉片; 7=7 葉片; 9=9 葉片;

A=11 葉片; B=13 葉片; C=葉片; D=17 葉片;

E=19 葉片; F=21 葉片; 0=離心式葉片

AC: 端子型態: T=端子; W=導線

外框厚度: A=25mm B=28mm C=20mm D=15mm E=12mm F=38mm G=10mm

J=8mm L=14mm H=13mm P=50mm K=6mm Q=7mm R=9mm

T=11mm Y=32mm Z=33mm

AC: 外框材質: A=鋁合金; P=塑膠框

軸承型態: X=HYPRO軸承; B=滾珠軸承; S=含油軸承

旋轉速度: D=超低速; L=低速; M=中速; H=高速; U=超高速; X=軟超高速; V=最高速

DC 電壓: 05=5VDC 12=12VDC 24=24VDC 48=48VDC

AC 電壓: 1=110~120VAC; 2=220~240VAC

DC 外框尺寸: 15=15mm 20=20mm 02=25mm 03=30mm 35=35mm 04=40mm 45=45mm 50=50mm

05=52mm 06=60mm 07=70mm 08=80mm 09=92mm 12=120mm 17=172mm

AC 外框尺寸: 825=80x80x25mm; 838=80x80x38mm; 925=92x92x25mm; 125=120x120x25mm;

128=120x120x38mm; 178=172x150x38mm; 175=172x150x50mm; 172=172x50mm

AD=直流風扇系列; AB=直流鼓風扇系列; AP=晶片散熱器系列; AQ=防水系列; AW=散熱器系列; AA=交流風扇系列

THE FIRST NAME IN FORCED CONVECTION COOLING TECHNOLOGY

勝特力材料 886-3-5753170

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