

## UB Series

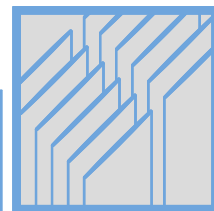
Low Pressure Drop and  
Low Thermal Resistance Heat Sink

**ALPHA**

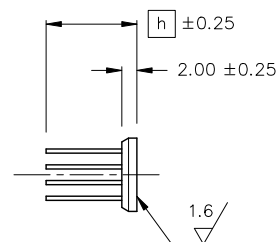
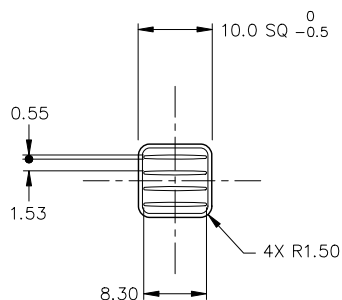
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB10



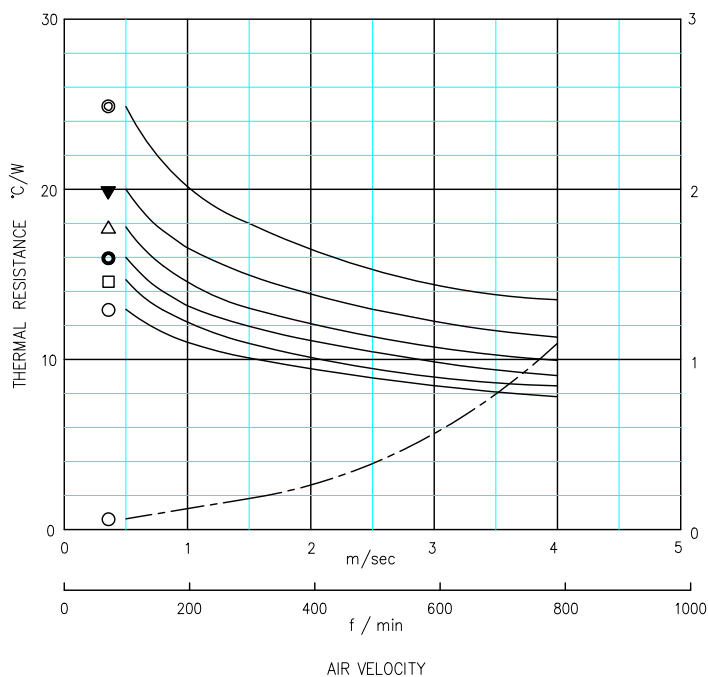
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB10-5B  | 5          | 0.6            |
| UB10-7B  | 7          | 0.7            |
| UB10-10B | 10         | 0.8            |
| UB10-12B | 12         | 0.9            |
| UB10-15B | 15         | 1.0            |
| UB10-20B | 20         | 1.2            |

DATA



- UB10-5B
- ▼ UB10-7B
- △ UB10-10B
- UB10-12B
- UB10-15B
- UB10-20B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 8.0 SQ  
THERMAL RESISTANCE ———  
PRESURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

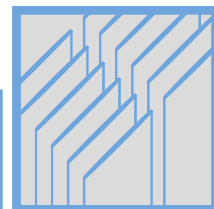
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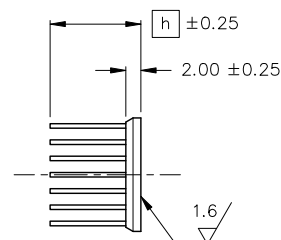
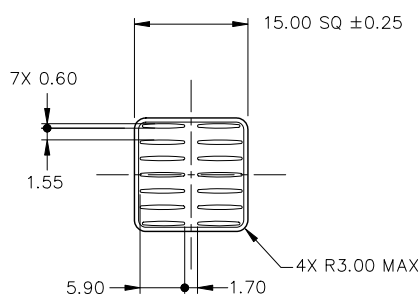
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB15



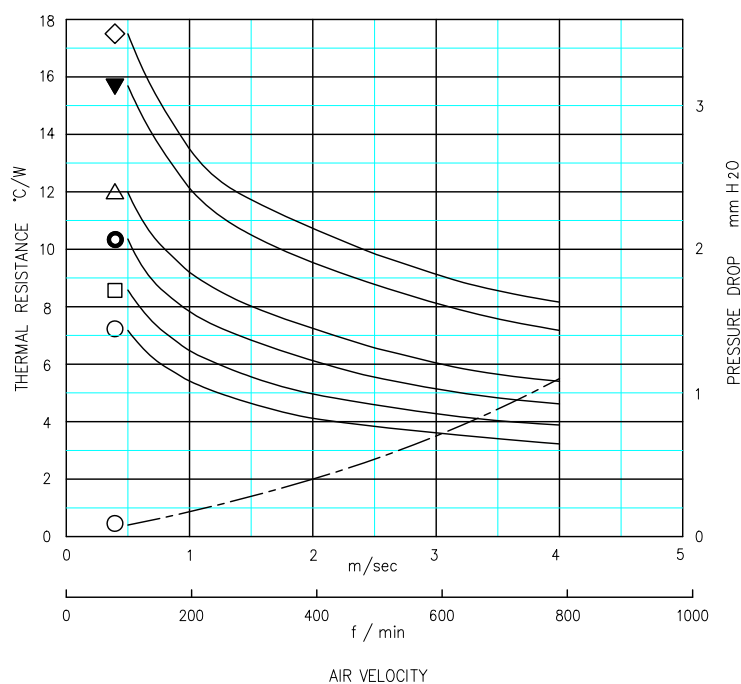
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB15-6B  | 6          | 1.6            |
| UB15-7B  | 7          | 1.7            |
| UB15-10B | 10         | 2.1            |
| UB15-12B | 12         | 2.3            |
| UB15-15B | 15         | 2.6            |
| UB15-20B | 20         | 3.2            |

DATA



- ◇ UB15-6B
- ▼ UB15-7B
- △ UB15-10B
- UB15-12B
- UB15-15B
- UB15-20B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

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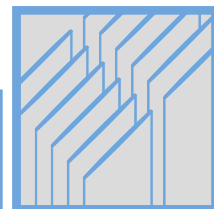
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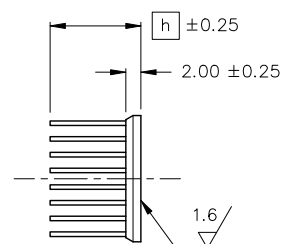
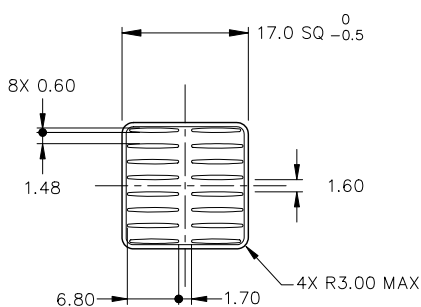
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## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB17



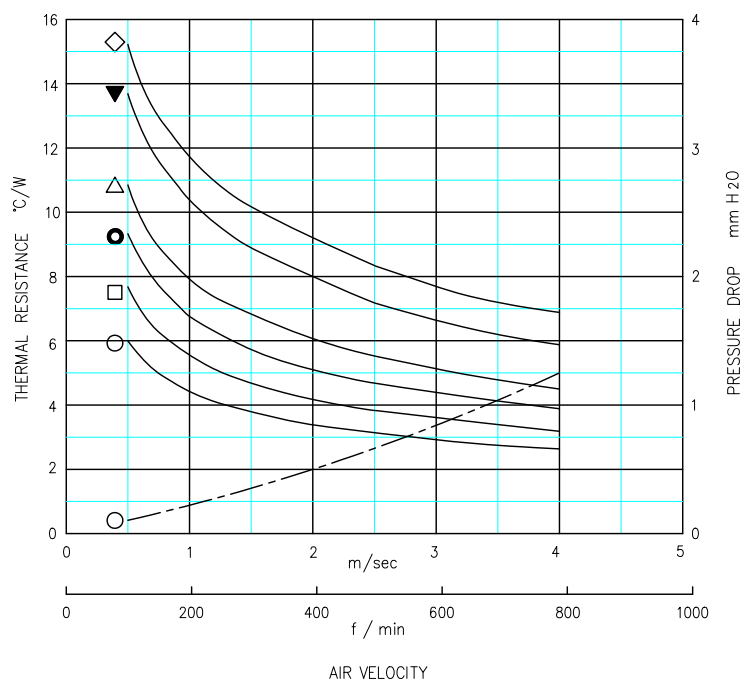
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB17-6B  | 6          | 2.1            |
| UB17-7B  | 7          | 2.3            |
| UB17-10B | 10         | 2.7            |
| UB17-12B | 12         | 3.0            |
| UB17-15B | 15         | 3.4            |
| UB17-20B | 20         | 4.2            |

DATA



- ◇ UB17-6B
- ▼ UB17-7B
- △ UB17-10B
- UB17-12B
- UB17-15B
- UB17-20B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

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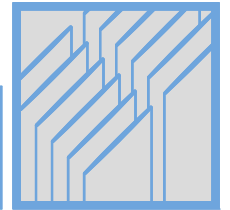
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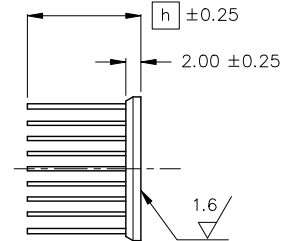
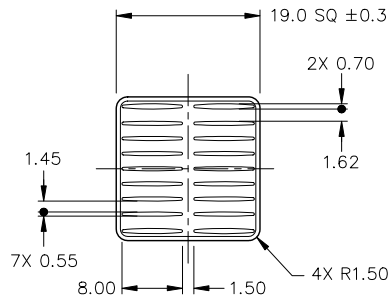
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## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB19



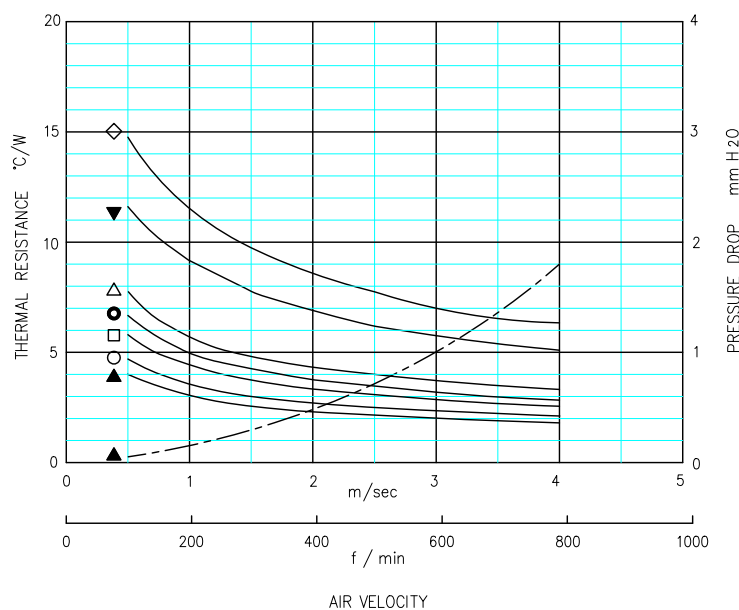
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB19-6B  | 6          | 2.6            |
| UB19-7B  | 7          | 2.8            |
| UB19-10B | 10         | 3.3            |
| UB19-12B | 12         | 3.7            |
| UB19-15B | 15         | 4.2            |
| UB19-20B | 20         | 5.1            |
| UB19-25B | 25         | 6.0            |

DATA



- ◇ UB19-6B
- ▼ UB19-7B
- △ UB19-10B
- UB19-12B
- UB19-15B
- UB19-20B
- ▲ UB19-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESURE DROP - - - -

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E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

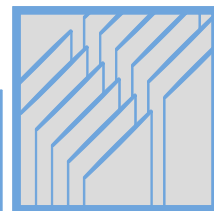
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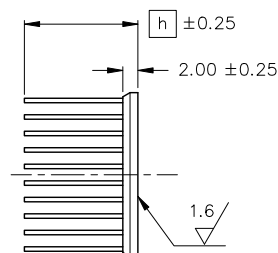
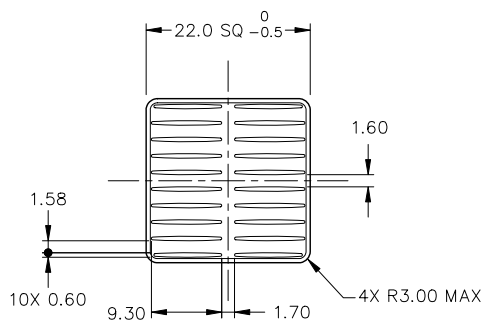
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## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB22



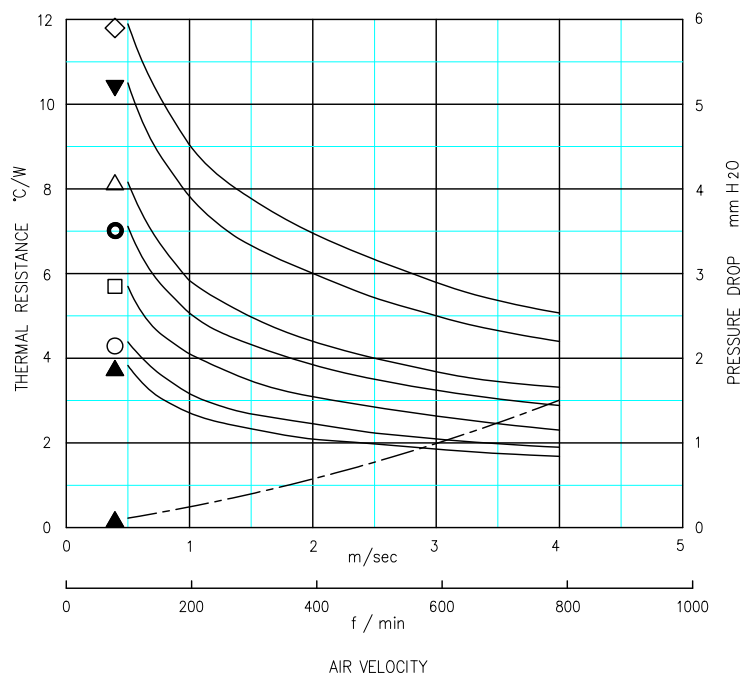
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB22-6B  | 6          | 3.6            |
| UB22-7B  | 7          | 3.8            |
| UB22-10B | 10         | 4.6            |
| UB22-12B | 12         | 5.1            |
| UB22-15B | 15         | 5.9            |
| UB22-20B | 20         | 7.2            |
| UB22-25B | 25         | 8.4            |

DATA



- ◇ UB22-6B
- ▼ UB22-7B
- △ UB22-10B
- UB22-12B
- UB22-15B
- UB22-20B
- ▲ UB22-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

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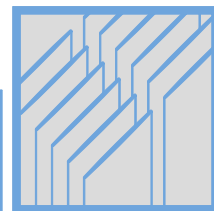
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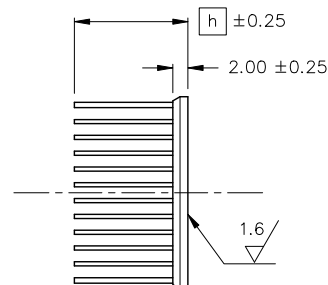
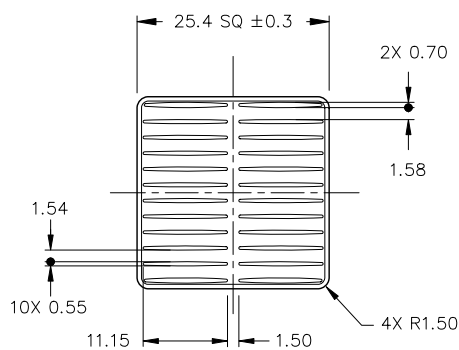
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB25



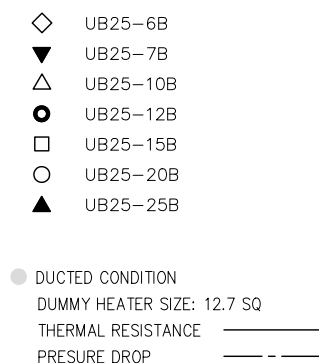
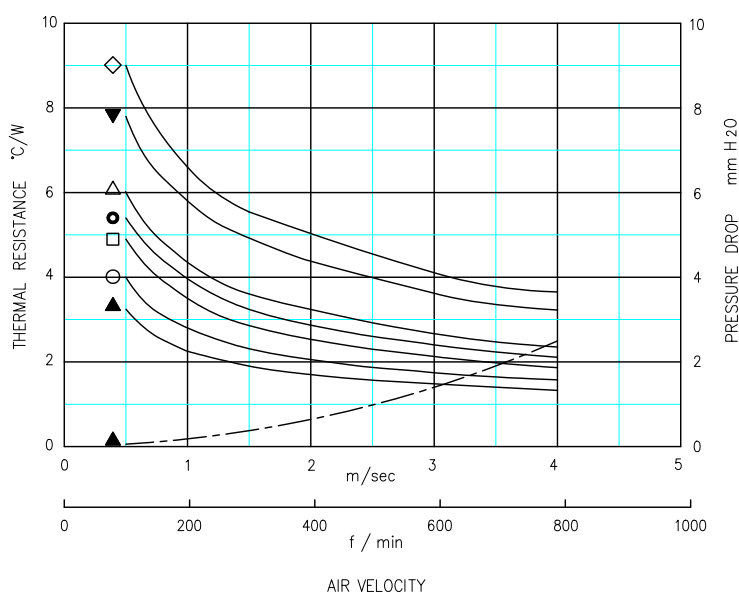
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB25-6B  | 6          | 4.8            |
| UB25-7B  | 7          | 5.2            |
| UB25-10B | 10         | 6.4            |
| UB25-12B | 12         | 7.1            |
| UB25-15B | 15         | 8.1            |
| UB25-20B | 20         | 9.6            |
| UB25-25B | 25         | 11.2           |

DATA



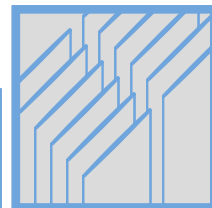
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REFER TO TECHNICAL INFORMATION.

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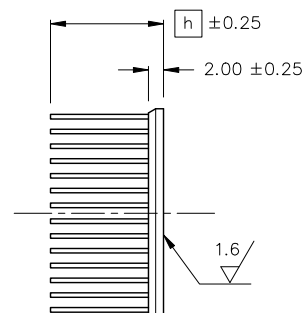
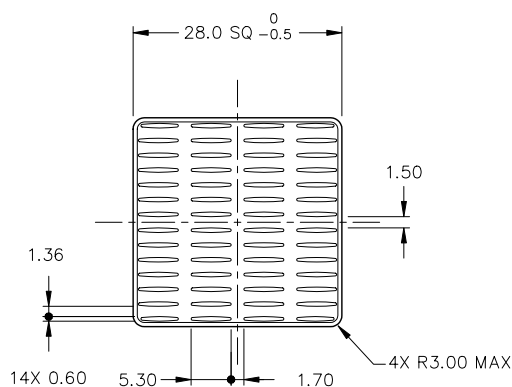
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FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

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**ALPHA**Low Pressure Drop and  
Low Thermal Resistance Heat Sink**UB28**

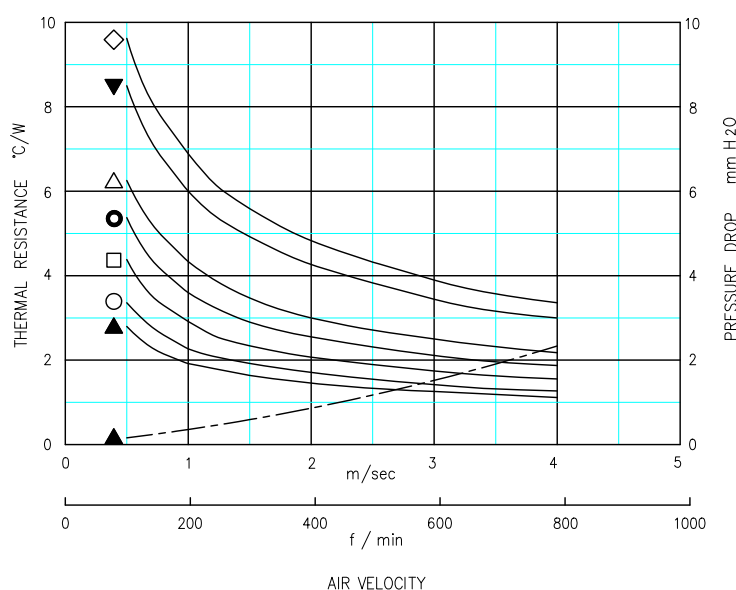
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL    | HEIGHT [h] | WEIGHT (grams) |
|----------|------------|----------------|
| UB28-6B  | 6          | 5.5            |
| UB28-7B  | 7          | 5.9            |
| UB28-10B | 10         | 7.1            |
| UB28-12B | 12         | 7.9            |
| UB28-15B | 15         | 9.1            |
| UB28-20B | 20         | 11.1           |
| UB28-25B | 25         | 13.1           |

DATA



- ◇ UB28-6B
- ▼ UB28-7B
- △ UB28-10B
- UB28-12B
- UB28-15B
- UB28-20B
- ▲ UB28-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
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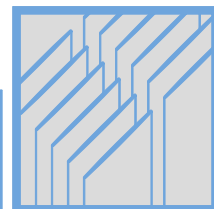
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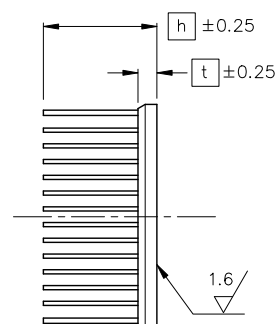
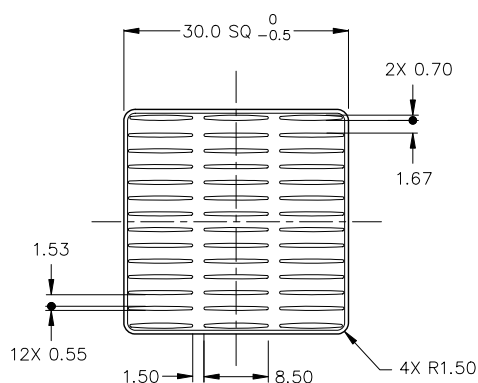
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## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB30



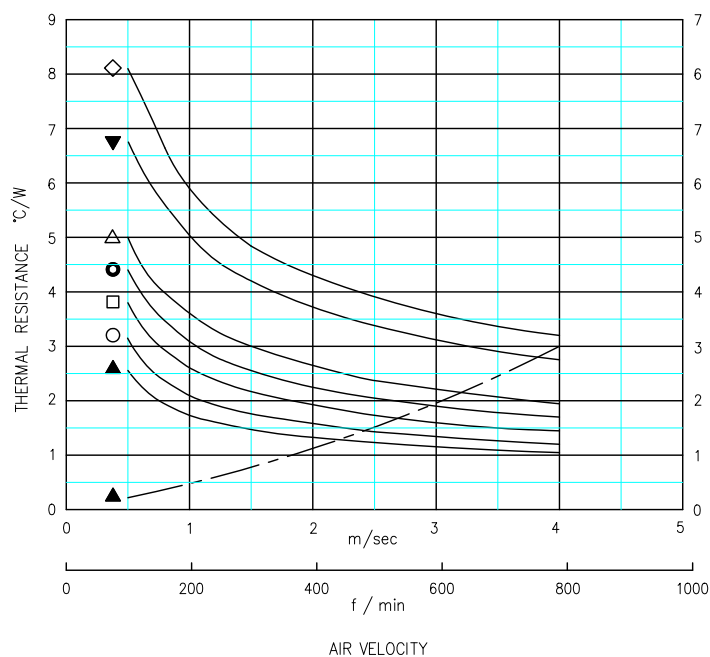
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB30-6B   | 6            | 2.00          | 6.8            |
| UB30-7B   | 7            |               | 7.3            |
| UB30-10B  | 10           |               | 9.0            |
| UB30-12B  | 12           | 2.50          | 10.0           |
| UB30-15B  | 15           |               | 11.5           |
| UB30-20B  | 20           |               | 14.0           |
| UB30-25B  | 25           |               | 16.5           |
| UB30-[h]B | [h] ≤ 7      | 2.00          | -              |
|           | 7 < [h] ≤ 25 | 2.50          | -              |

DATA



- ◇ UB30-6B
- ▼ UB30-7B
- △ UB30-10B
- UB30-12B
- UB30-15B
- UB30-20B
- ▲ UB30-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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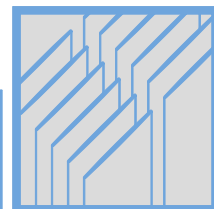
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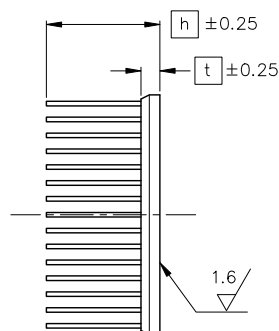
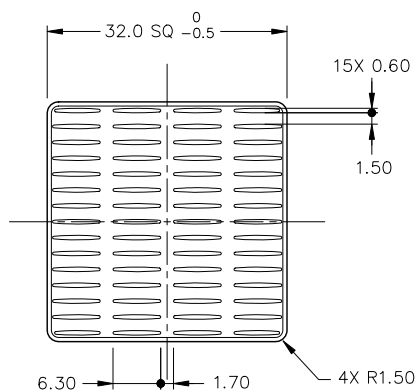
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB32



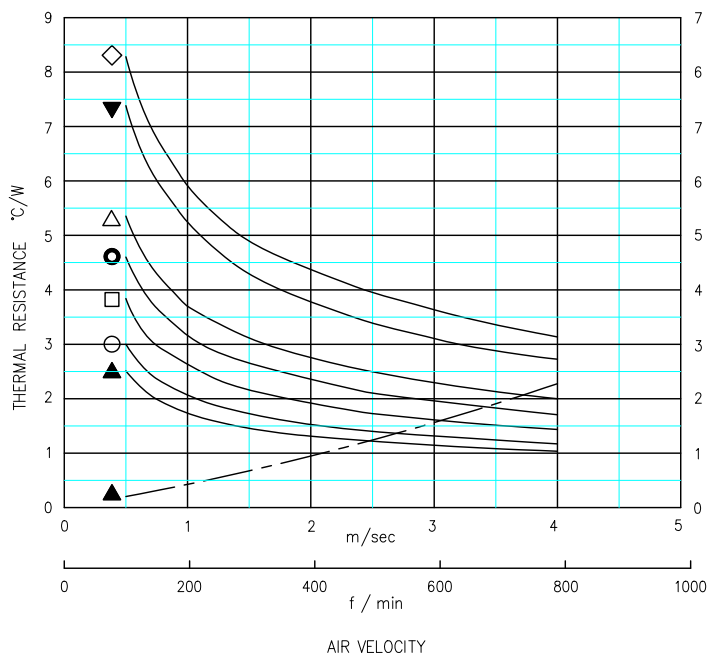
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB32-6B   | 6            | 2.00          | 7.4            |
| UB32-7B   | 7            |               | 7.9            |
| UB32-10B  | 10           |               | 10.5           |
| UB32-12B  | 12           | 2.50          | 11.6           |
| UB32-15B  | 15           |               | 13.1           |
| UB32-20B  | 20           |               | 15.7           |
| UB32-25B  | 25           |               | 18.2           |
| UB32-[h]B | [h] ≤ 7      | 2.00          | -              |
|           | 7 < [h] ≤ 25 | 2.50          | -              |

DATA



- ◇ UB32-6B
- ▼ UB32-7B
- △ UB32-10B
- UB32-12B
- UB32-15B
- UB32-20B
- ▲ UB32-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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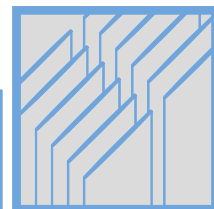
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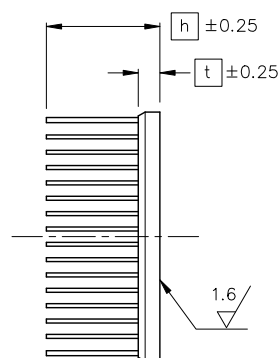
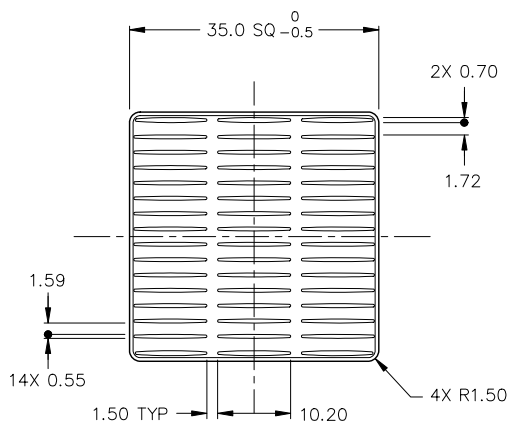
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB35



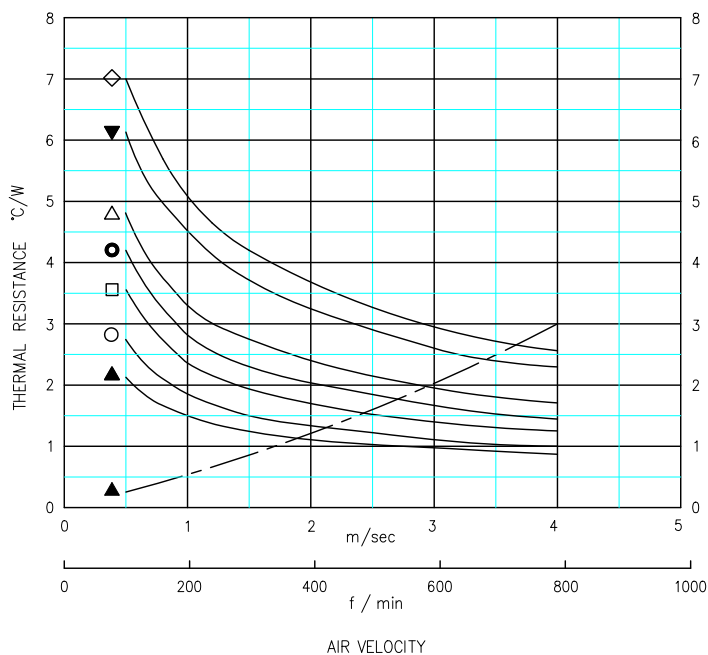
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB35-6B   | 6            | 2.00          | 9.2            |
| UB35-7B   | 7            |               | 9.9            |
| UB35-10B  | 10           |               | 13.5           |
| UB35-12B  | 12           | 3.00          | 14.9           |
| UB35-15B  | 15           |               | 17.0           |
| UB35-20B  | 20           |               | 20.5           |
| UB35-25B  | 25           |               | 24.0           |
| UB35-[h]B | [h] ≤ 7      | 2.00          | -              |
|           | 7 < [h] ≤ 25 | 3.00          | -              |

DATA



- ◇ UB35-6B
- ▼ UB35-7B
- △ UB35-10B
- UB35-12B
- UB35-15B
- UB35-20B
- ▲ UB35-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

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PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

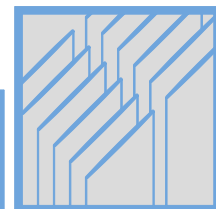
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PHONE +1(408)567-8082  
FAX +1(408)567-8053  
E mail : sales@alphanovatech.com  
URL : <https://www.alphanovatech.com>

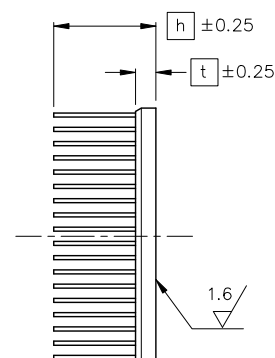
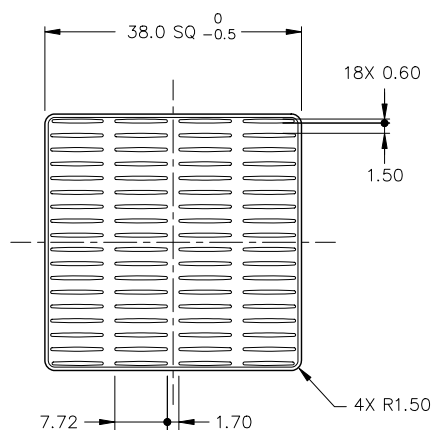
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB38



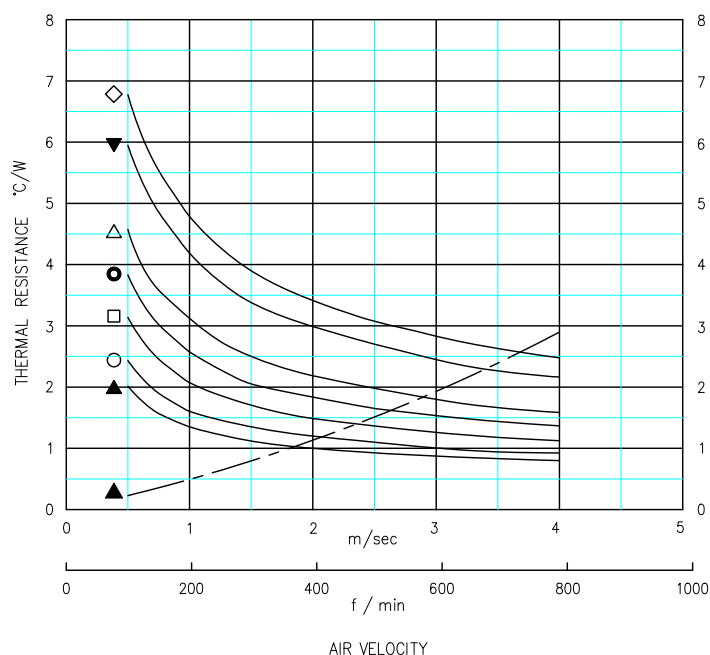
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB38-6B   | 6            | 2.00          | 10.8           |
| UB38-7B   | 7            |               | 11.6           |
| UB38-10B  | 10           |               | 17.0           |
| UB38-12B  | 12           | 3.00          | 18.6           |
| UB38-15B  | 15           |               | 20.9           |
| UB38-20B  | 20           |               | 24.8           |
| UB38-25B  | 25           |               | 28.7           |
| UB38-[h]B | [h] ≤ 7      | 2.00          | -              |
|           | 7 < [h] ≤ 25 | 3.00          | -              |

DATA



- ◇ UB38-6B
- ▼ UB38-7B
- △ UB38-10B
- UB38-12B
- UB38-15B
- UB38-20B
- ▲ UB38-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

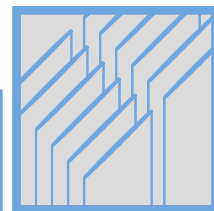
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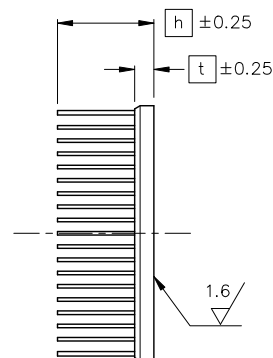
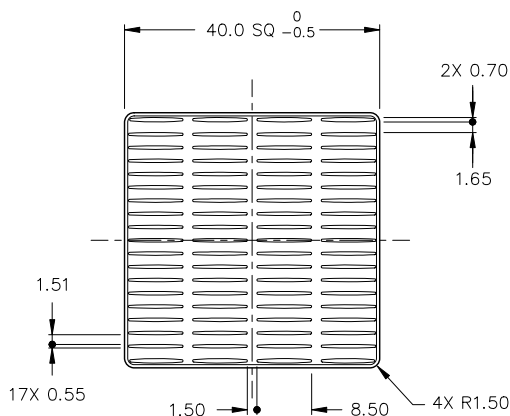
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB40



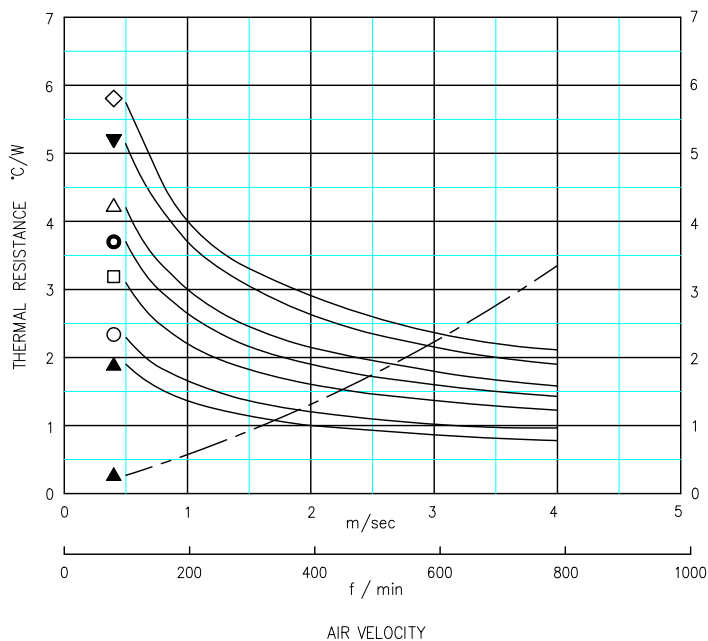
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB40-6B   | 6            | 2.00          | 12.0           |
| UB40-7B   | 7            |               | 12.9           |
| UB40-10B  | 10           | 3.00          | 17.8           |
| UB40-12B  | 12           |               | 19.7           |
| UB40-15B  | 15           |               | 22.5           |
| UB40-20B  | 20           |               | 27.3           |
| UB40-25B  | 25           |               | 32.0           |
| UB40-[h]B | [h] ≤ 7      | 2.00          | -              |
|           | 7 < [h] ≤ 25 | 3.00          | -              |

DATA



- ◇ UB40-6B
- ▼ UB40-7B
- △ UB40-10B
- UB40-12B
- UB40-15B
- UB40-20B
- ▲ UB40-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

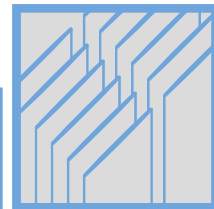
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
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FAX +1(408)567-8053  
E mail : sales@alphanovatech.com  
URL : <https://www.alphanovatech.com>

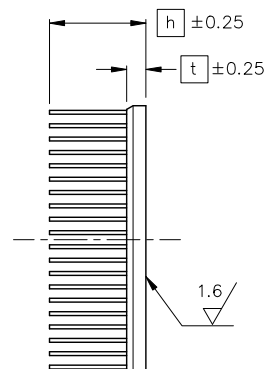
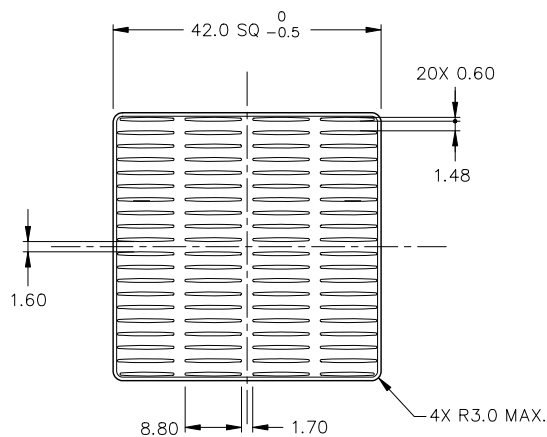
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB42



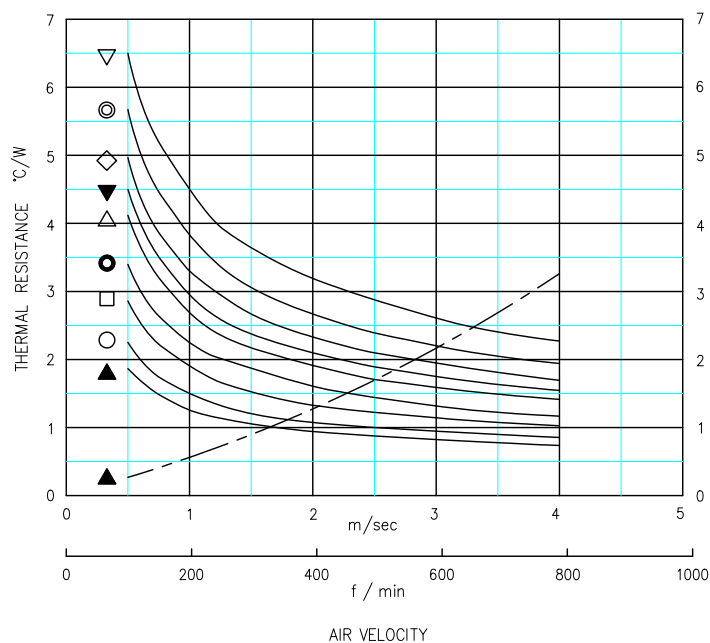
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB42-6B   | 6            | 2.50          | 15.0           |
| UB42-7B   | 7            |               | 15.9           |
| UB42-8B   | 8            |               | 16.9           |
| UB42-9B   | 9            |               | 17.9           |
| UB42-10B  | 10           | 3.00          | 20.6           |
| UB42-12B  | 12           |               | 22.6           |
| UB42-15B  | 15           |               | 25.5           |
| UB42-20B  | 20           |               | 30.3           |
| UB42-25B  | 25           |               | 35.2           |
| UB42-[h]B | [h] ≤ 9      | 2.50          | -              |
|           | 9 < [h] ≤ 25 | 3.00          | -              |

DATA



- ▽ UB42-6B
- ⊙ UB42-7B
- ◇ UB42-8B
- ▼ UB42-9B
- △ UB42-10B
- UB42-12B
- UB42-15B
- UB42-20B
- ▲ UB42-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
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E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

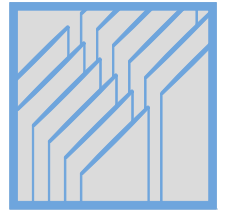
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PHONE +1(408)567-8082  
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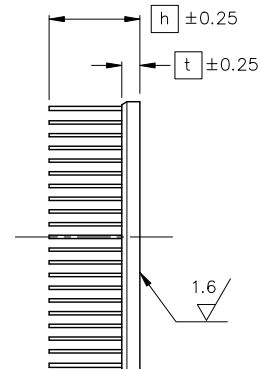
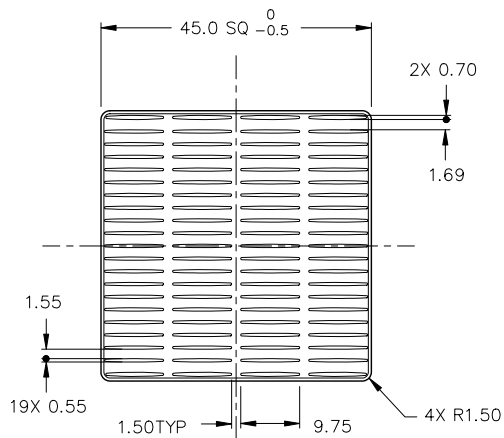
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB45



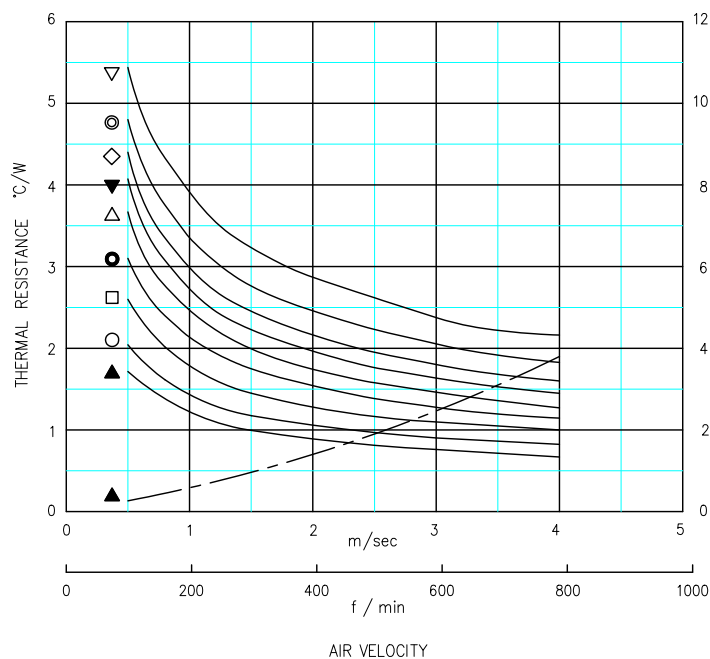
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB45-6B   | 6            | 2.50          | 16.8           |
| UB45-7B   | 7            |               | 18.0           |
| UB45-8B   | 8            |               | 19.2           |
| UB45-9B   | 9            |               | 20.4           |
| UB45-10B  | 10           | 3.00          | 21.8           |
| UB45-12B  | 12           |               | 24.3           |
| UB45-15B  | 15           |               | 28.0           |
| UB45-20B  | 20           |               | 34.3           |
| UB45-25B  | 25           |               | 40.5           |
| UB45-[h]B | [h] ≤ 9      | 2.50          | -              |
|           | 9 < [h] ≤ 25 | 3.00          | -              |

DATA



- ▽ UB45-6B
- ⊙ UB45-7B
- ◇ UB45-8B
- ▼ UB45-9B
- △ UB45-10B
- UB45-12B
- UB45-15B
- UB45-20B
- ▲ UB45-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

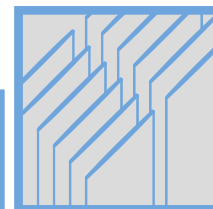
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PHONE +1(408)567-8082  
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E mail : [sales@alphanovatech.com](mailto:sales@alphanovatech.com)  
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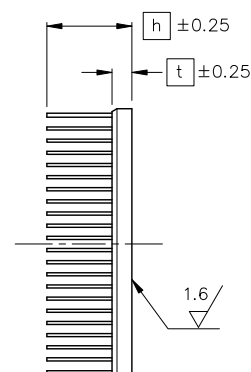
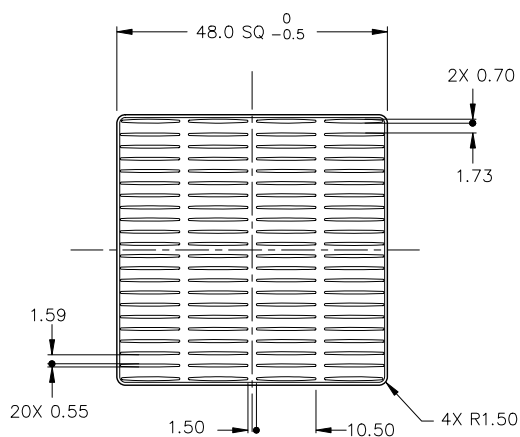
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB48



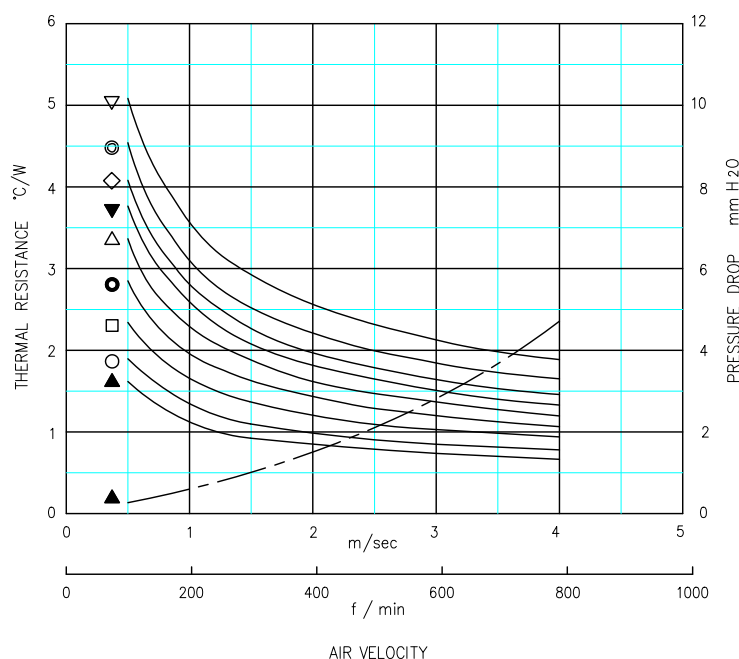
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB48-6B   | 6            | 2.50          | 19.4           |
| UB48-7B   | 7            |               | 20.5           |
| UB48-8B   | 8            |               | 21.7           |
| UB48-9B   | 9            |               | 22.8           |
| UB48-10B  | 10           | 3.50          | 28.5           |
| UB48-12B  | 12           |               | 31.1           |
| UB48-15B  | 15           |               | 35.0           |
| UB48-20B  | 20           |               | 41.5           |
| UB48-25B  | 25           |               | 48.0           |
| UB48-[h]B | [h] ≤ 9      | 2.50          | -              |
|           | 9 < [h] ≤ 25 | 3.50          | -              |

DATA



- ▽ UB48-6B
- ⊙ UB48-7B
- ◇ UB48-8B
- ▼ UB48-9B
- △ UB48-10B
- UB48-12B
- UB48-15B
- UB48-20B
- ▲ UB48-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

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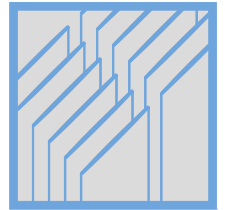
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PHONE +1(408)567-8082  
FAX +1(408)567-8053  
E mail : [sales@alphanovatech.com](mailto:sales@alphanovatech.com)  
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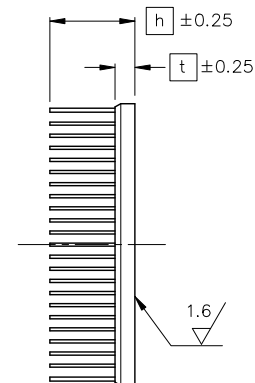
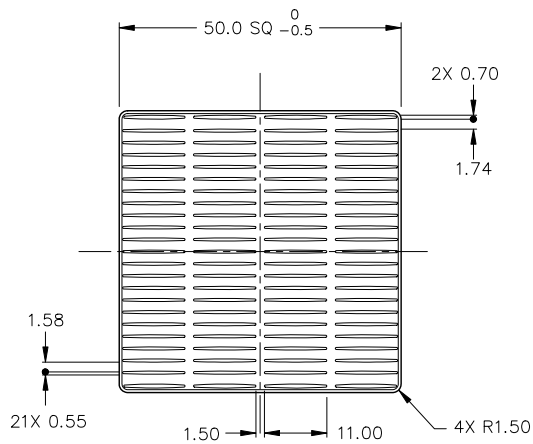
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB50



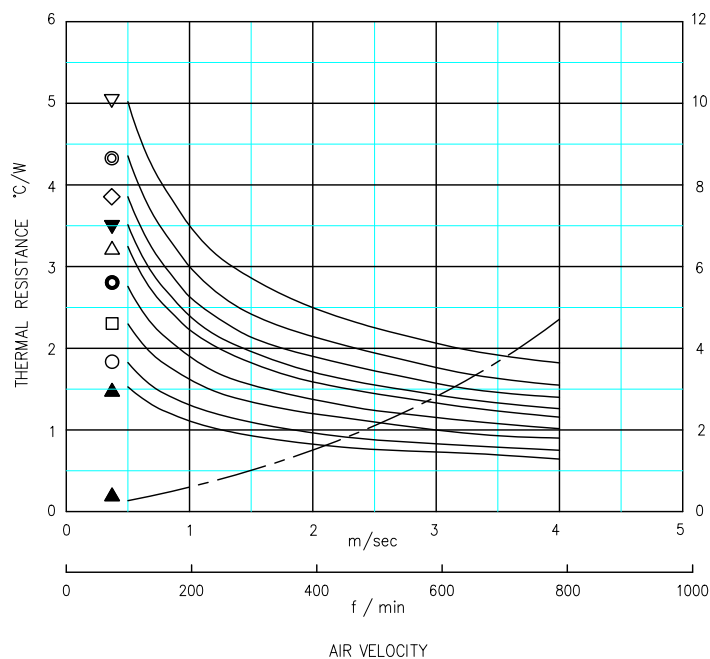
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB50-6B   | 6            | 2.50          | 21.0           |
| UB50-7B   | 7            |               | 22.3           |
| UB50-8B   | 8            |               | 23.7           |
| UB50-9B   | 9            |               | 25.0           |
| UB50-10B  | 10           | 3.50          | 30.5           |
| UB50-12B  | 12           |               | 34.6           |
| UB50-15B  | 15           |               | 38.0           |
| UB50-20B  | 20           |               | 45.5           |
| UB50-25B  | 25           |               | 53.0           |
| UB50-[h]B | [h] ≤ 9      | 2.50          | —              |
|           | 9 < [h] ≤ 25 | 3.50          | —              |

DATA



- ▽ UB50-6B
- ⊙ UB50-7B
- ◇ UB50-8B
- ▼ UB50-9B
- △ UB50-10B
- UB50-12B
- UB50-15B
- UB50-20B
- ▲ UB50-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
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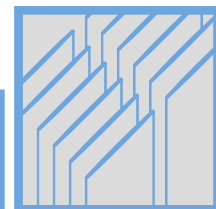
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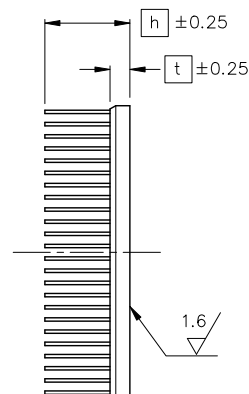
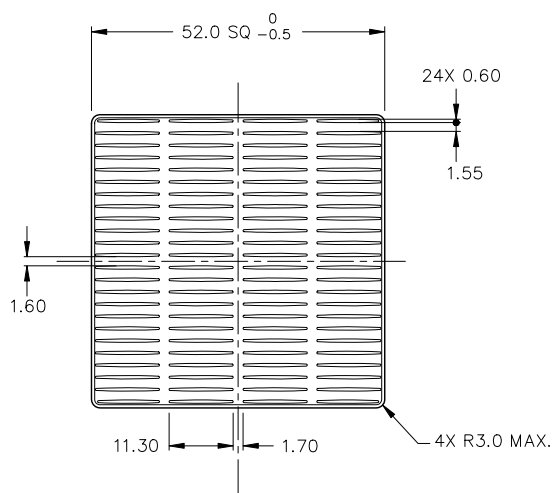
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB52



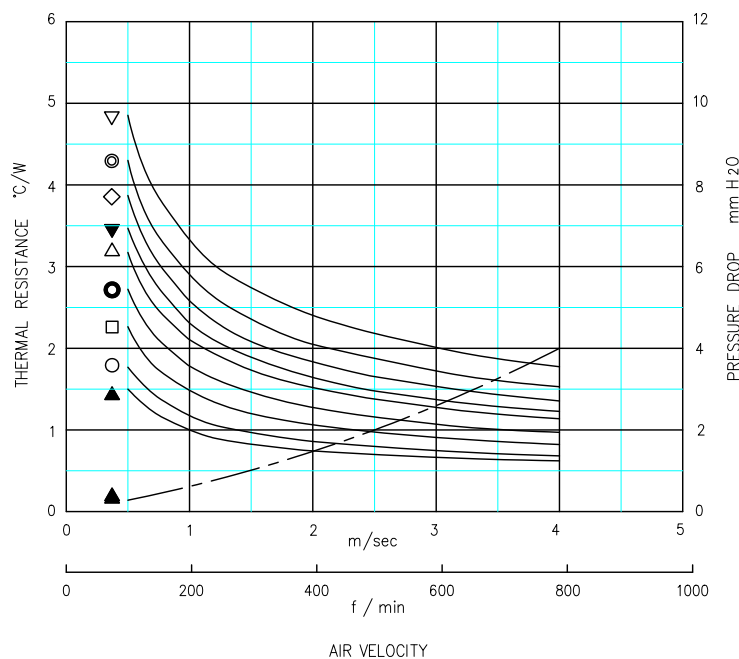
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB52-6B   | 6            | 2.50          | 23.0           |
| UB52-7B   | 7            |               | 24.5           |
| UB52-8B   | 8            |               | 26.0           |
| UB52-9B   | 9            |               | 27.5           |
| UB52-10B  | 10           | 3.50          | 35.0           |
| UB52-12B  | 12           |               | 37.7           |
| UB52-15B  | 15           |               | 42.2           |
| UB52-20B  | 20           |               | 49.7           |
| UB52-25B  | 25           |               | 57.2           |
| UB52-[h]B | [h] ≤ 9      | 2.50          | -              |
|           | 9 < [h] ≤ 25 | 3.50          | -              |

DATA



- ▽ UB52-6B
- ⊙ UB52-7B
- ◇ UB52-8B
- ▼ UB52-9B
- △ UB52-10B
- UB52-12B
- UB52-15B
- UB52-20B
- ▲ UB52-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
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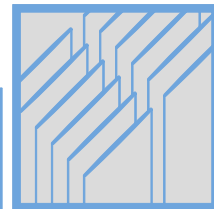
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PHONE +1(408)567-8082  
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URL : <https://www.alphanovatech.com>

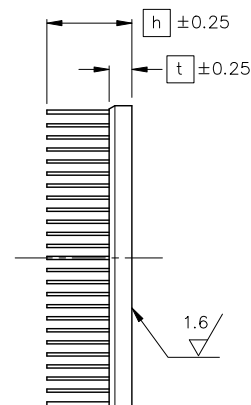
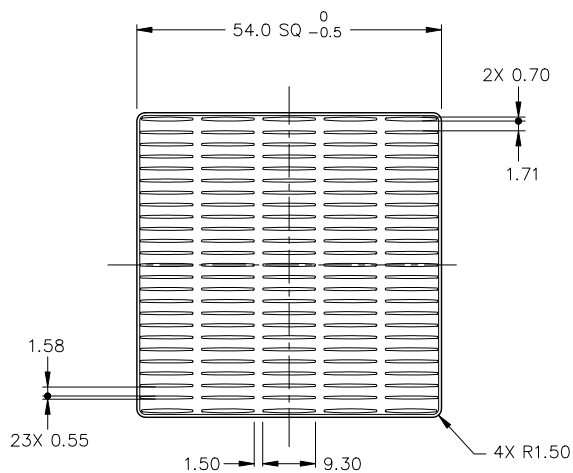
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB54



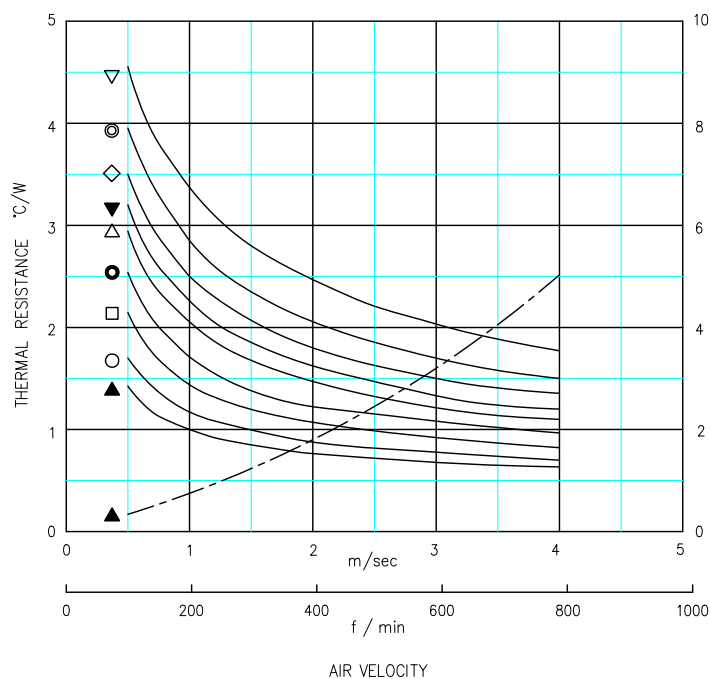
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB54-6B   | 6            | 3.00          | 28.1           |
| UB54-7B   | 7            |               | 29.6           |
| UB54-8B   | 8            |               | 31.0           |
| UB54-9B   | 9            |               | 32.4           |
| UB54-10B  | 10           | 4.00          | 39.3           |
| UB54-12B  | 12           |               | 42.6           |
| UB54-15B  | 15           |               | 47.5           |
| UB54-20B  | 20           |               | 55.8           |
| UB54-25B  | 25           |               | 64.0           |
| UB54-[h]B | [h] ≤ 9      | 3.00          | -              |
|           | 9 < [h] ≤ 25 | 4.00          | -              |

DATA



- ▽ UB54-6B
- ⊙ UB54-7B
- ◇ UB54-8B
- ▼ UB54-9B
- △ UB54-10B
- UB54-12B
- UB54-15B
- UB54-20B
- ▲ UB54-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

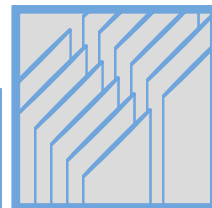
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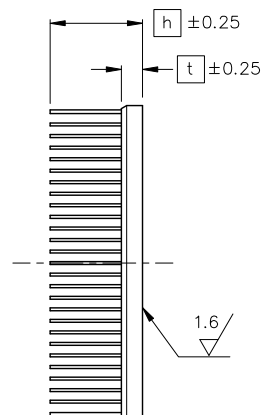
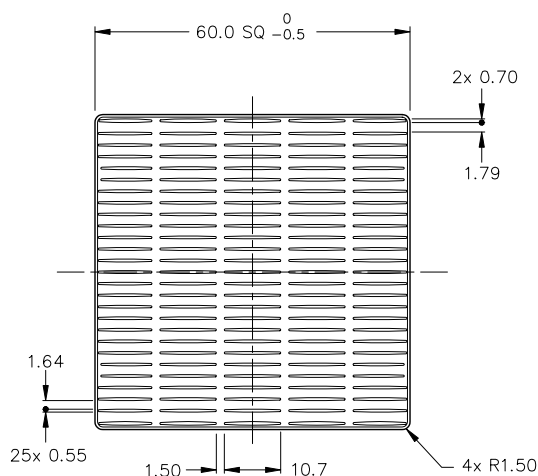
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB60



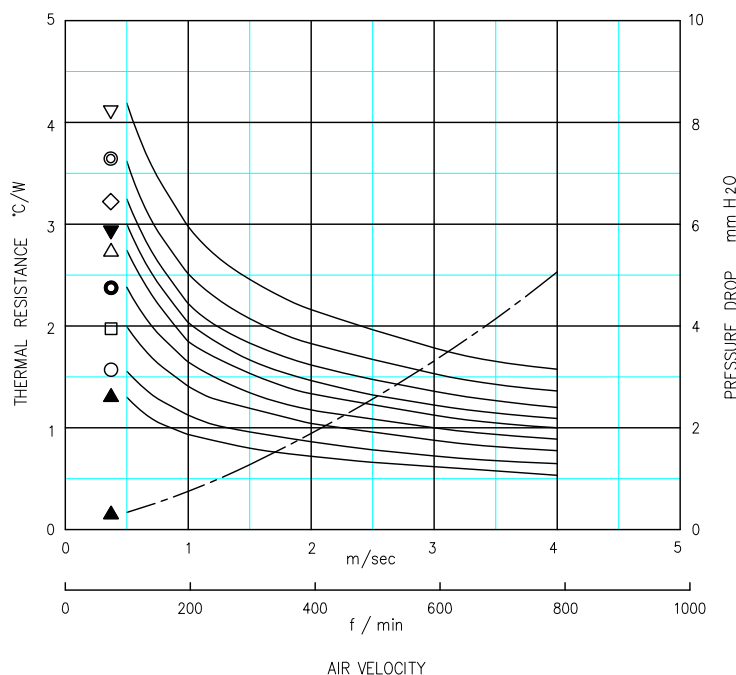
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------|---------------|----------------|
| UB60-6B   | 6            | 3.00          | 35.5           |
| UB60-7B   | 7            |               | 37.3           |
| UB60-8B   | 8            |               | 39.2           |
| UB60-9B   | 9            |               | 41.0           |
| UB60-10B  | 10           | 4.00          | 49.5           |
| UB60-12B  | 12           |               | 52.9           |
| UB60-15B  | 15           |               | 58.0           |
| UB60-20B  | 20           |               | 66.5           |
| UB60-25B  | 25           |               | 75.0           |
| UB60-[h]B | [h] ≤ 9      | 3.00          | -              |
|           | 9 < [h] ≤ 25 | 4.00          | -              |

DATA



- ▽ UB60-6B
- ⊙ UB60-7B
- ◇ UB60-8B
- ▼ UB60-9B
- △ UB60-10B
- UB60-12B
- UB60-15B
- UB60-20B
- ▲ UB60-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

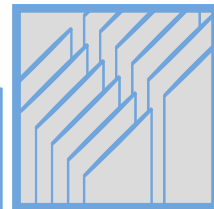
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FAX +81(55)966 9192  
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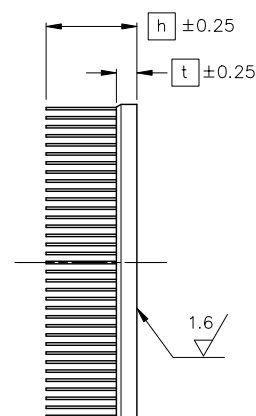
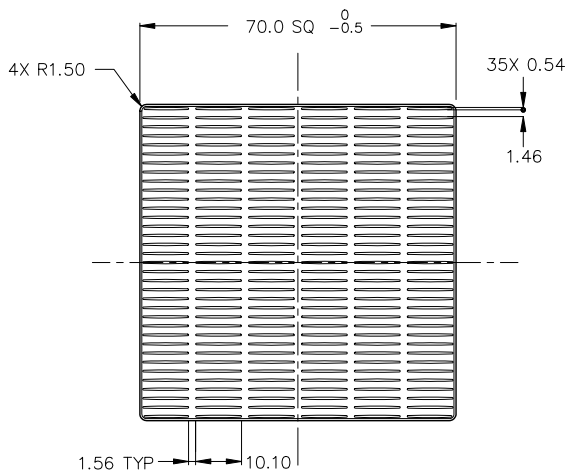
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# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB70



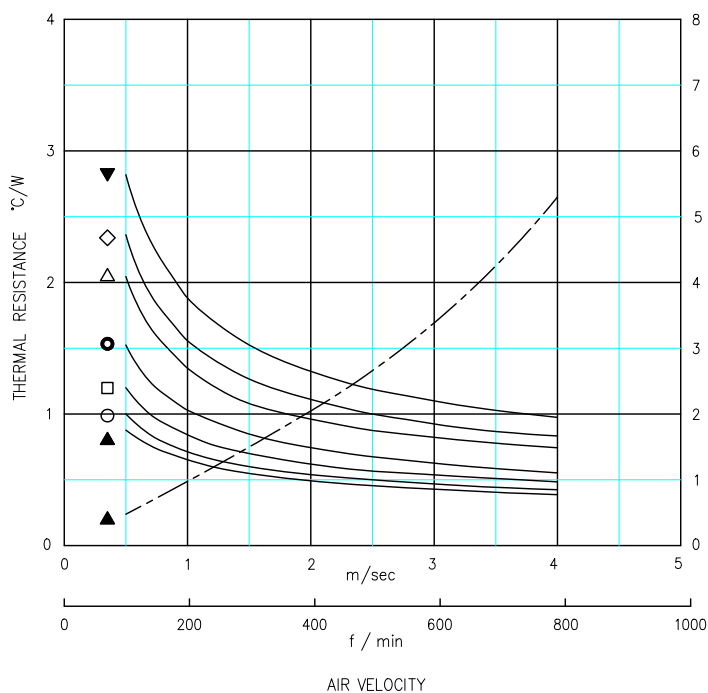
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]         | THICKNESS [t] | WEIGHT (grams) |
|-----------|--------------------|---------------|----------------|
| UB70-8B   | 8                  | 3.00          | 52.5           |
| UB70-10B  | 10                 |               | 57.9           |
| UB70-12B  | 12                 |               | 63.3           |
| UB70-15B  | 15                 |               | 86.9           |
| UB70-20B  | 20                 | 4.50          | 100.4          |
| UB70-25B  | 25                 |               | 113.9          |
| UB70-30B  | 30                 |               | 127.5          |
| UB70-[h]B | $[h] \leq 12$      | 3.00          | -              |
|           | $12 < [h] \leq 30$ | 4.50          | -              |

DATA



- ▼ UB70-8B
- ◇ UB70-10B
- △ UB70-12B
- UB70-15B
- UB70-20B
- UB70-25B
- ▲ UB70-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

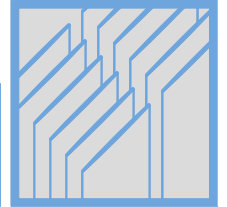
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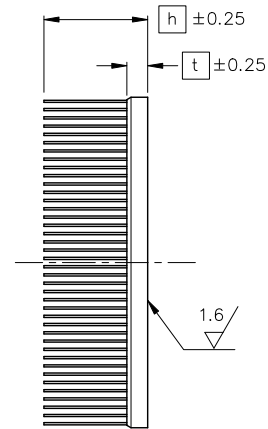
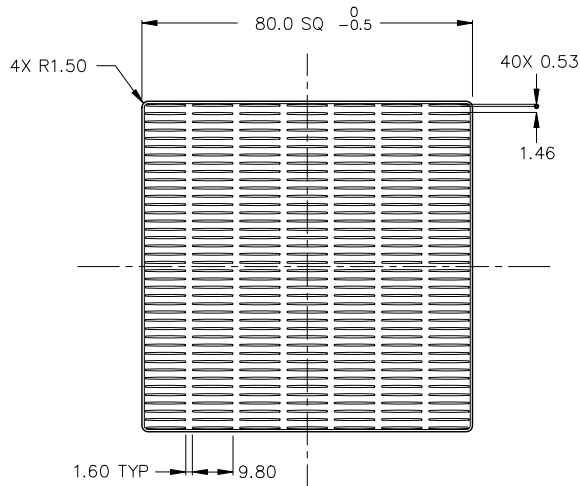
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# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB80



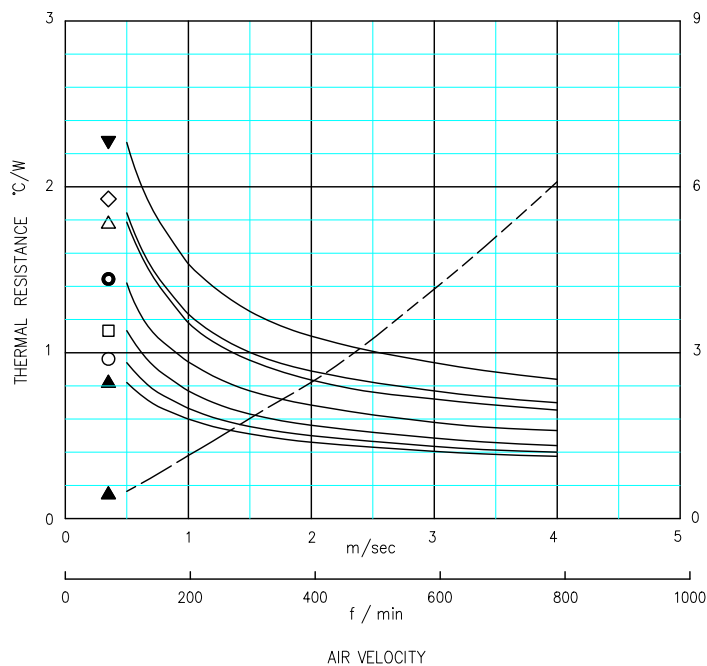
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-----------|---------------|---------------|----------------|
| UB80-8B   | 8             | 4.00          | 82.4           |
| UB80-10B  | 10            |               | 89.3           |
| UB80-12B  | 12            |               | 95.6           |
| UB80-15B  | 15            | 5.00          | 119.6          |
| UB80-20B  | 20            |               | 136.8          |
| UB80-25B  | 25            |               | 154.0          |
| UB80-30B  | 30            |               | 171.2          |
| UB80-[h]B | [h] ≤ 12      | 4.00          | -              |
|           | 12 < [h] ≤ 30 | 5.00          | -              |

DATA



▼ UB80-8B

◇ UB80-10B

△ UB80-12B

● UB80-15B

□ UB80-20B

○ UB80-25B

▲ UB80-30B

● DUCTED CONDITION

DUMMY HEATER SIZE: 12.7 SQ

THermal RESISTANCE ———

PRESURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN

PHONE +81(55)966 0789

FAX +81(55)966 9192

E mail : alpha@micforg.co.jp

URL : <https://www.micforg.co.jp>

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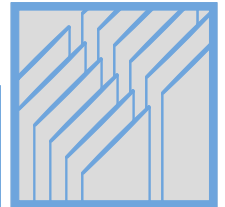
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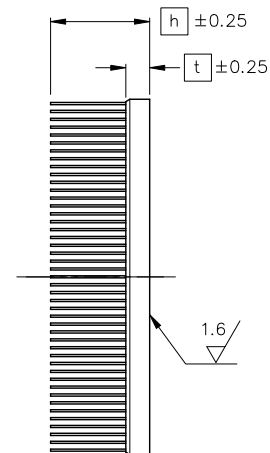
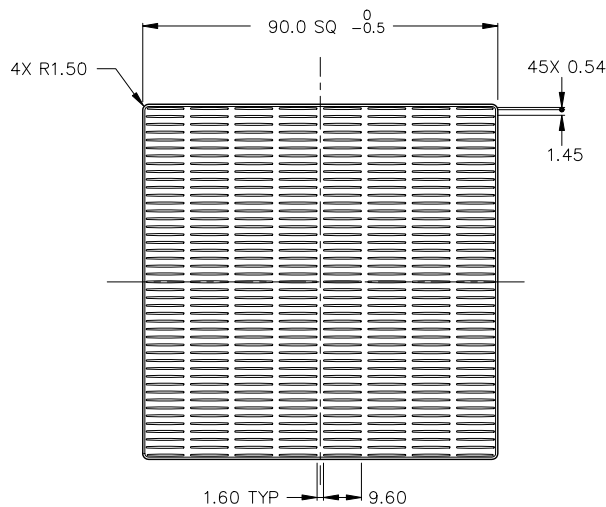
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB90



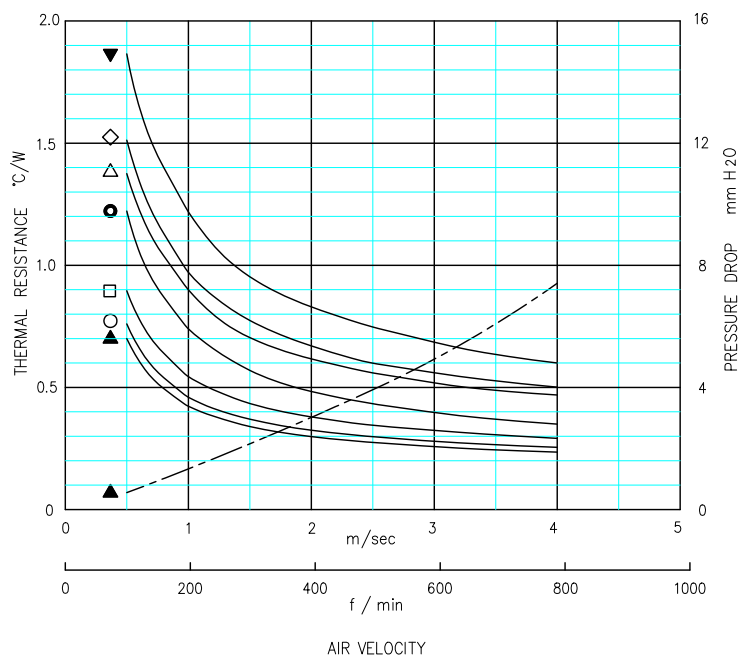
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL     | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-----------|---------------|---------------|----------------|
| UB90-8B   | 8             | 4.00          | 104            |
| UB90-10B  | 10            |               | 113            |
| UB90-12B  | 12            |               | 122            |
| UB90-15B  | 15            | 6.00          | 169            |
| UB90-20B  | 20            |               | 191            |
| UB90-25B  | 25            |               | 213            |
| UB90-30B  | 30            |               | 235            |
| UB90-[h]B | [h] ≤ 12      | 4.00          | -              |
|           | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



- ▼ UB90-8B
- ◇ UB90-10B
- △ UB90-12B
- UB90-15B
- UB90-20B
- UB90-25B
- ▲ UB90-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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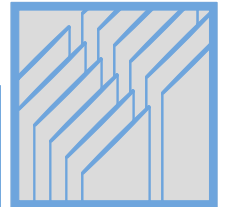
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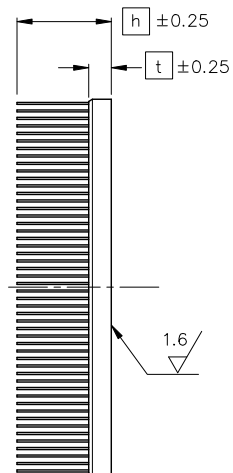
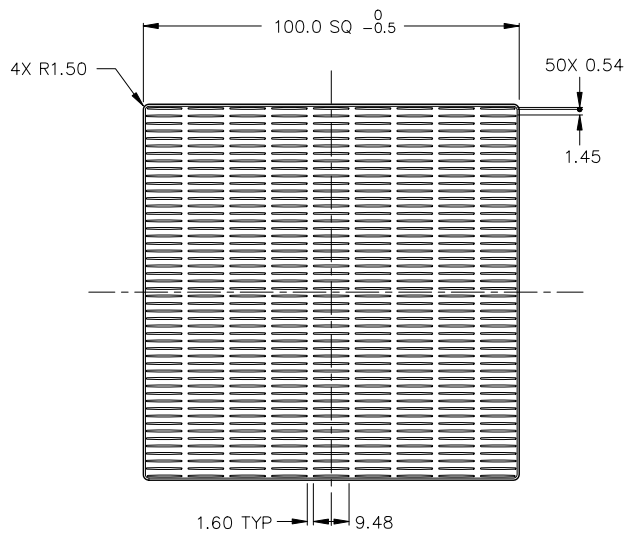
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB100



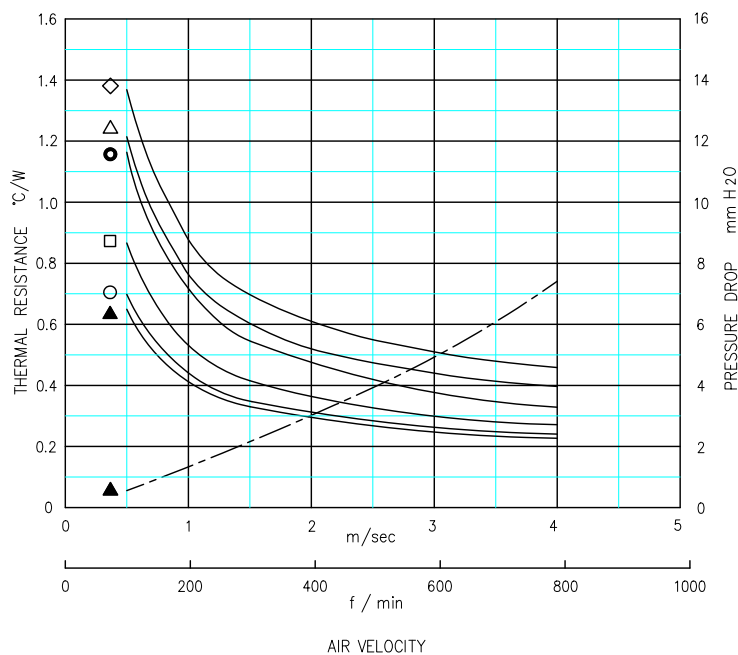
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|------------|---------------|---------------|----------------|
| UB100-10B  | 10            | 4.50          | 150            |
| UB100-12B  | 12            |               | 161            |
| UB100-15B  | 15            | 6.00          | 209            |
| UB100-20B  | 20            |               | 236            |
| UB100-25B  | 25            |               | 264            |
| UB100-30B  | 30            |               | 291            |
| UB100-[h]B | [h] ≤ 12      | 4.50          | —              |
|            | 12 < [h] ≤ 30 | 6.00          | —              |

DATA



- ◇ UB100-10B
- △ UB100-12B
- UB100-15B
- UB100-20B
- UB100-25B
- ▲ UB100-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
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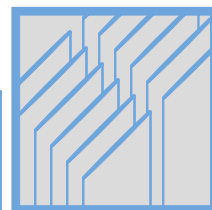
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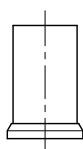
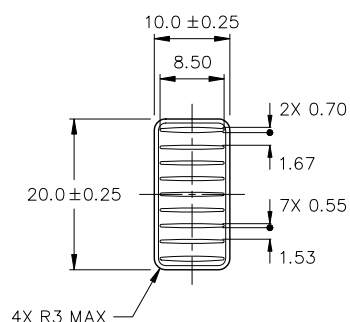
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

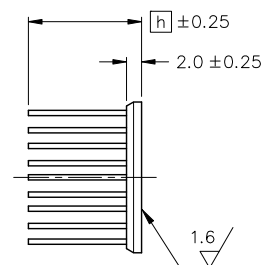
# UB2010



DIM

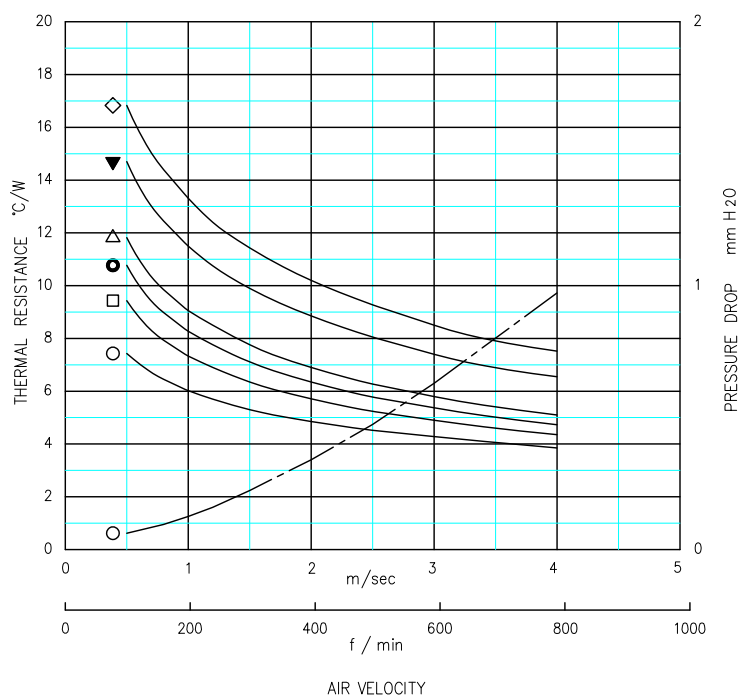


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB2010-6B  | 6                   | 1.4            |
| UB2010-7B  | 7                   | 1.5            |
| UB2010-10B | 10                  | 1.8            |
| UB2010-12B | 12                  | 2.0            |
| UB2010-15B | 15                  | 2.3            |
| UB2010-20B | 20                  | 2.8            |

DATA



- ◇ UB2010-6B
- ▼ UB2010-7B
- △ UB2010-10B
- UB2010-12B
- UB2010-15B
- UB2010-20B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 8.0 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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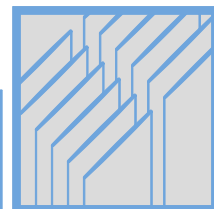
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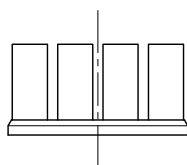
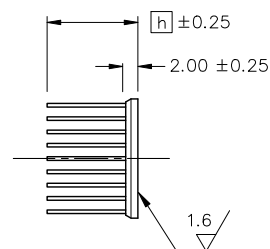
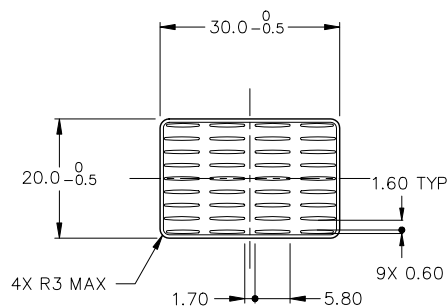
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB2030



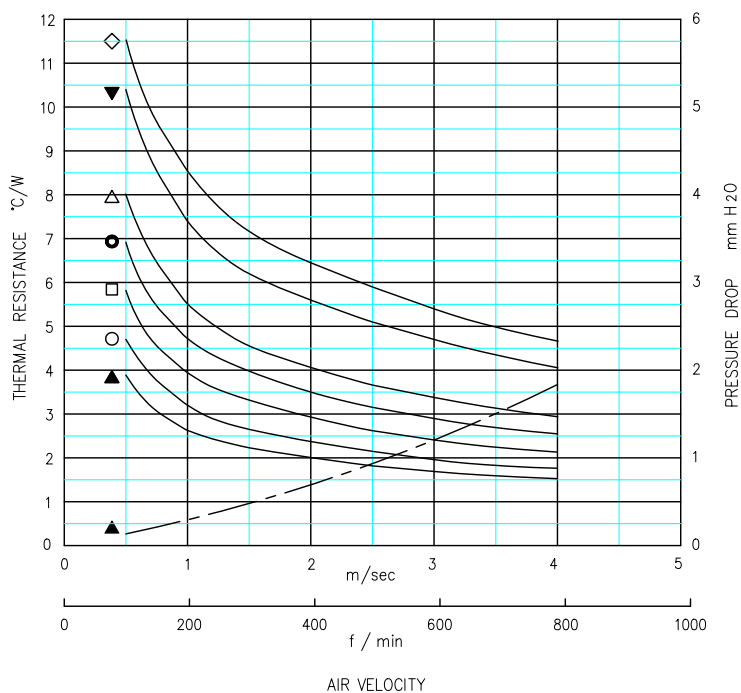
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB2030-6B  | 6                   | 4.2            |
| UB2030-7B  | 7                   | 4.5            |
| UB2030-10B | 10                  | 5.3            |
| UB2030-12B | 12                  | 5.9            |
| UB2030-15B | 15                  | 6.8            |
| UB2030-20B | 20                  | 8.2            |
| UB2030-25B | 25                  | 9.6            |

DATA



- ◇ UB2030-6B
- ▼ UB2030-7B
- △ UB2030-10B
- UB2030-12B
- UB2030-15B
- UB2030-20B
- ▲ UB2030-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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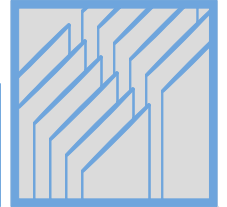
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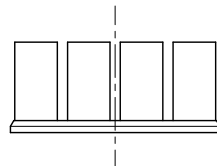
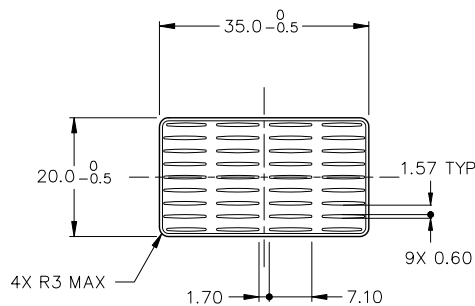
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

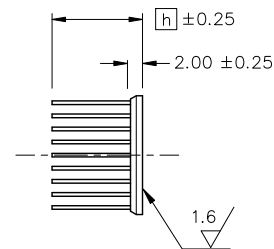
# UB2035



DIM

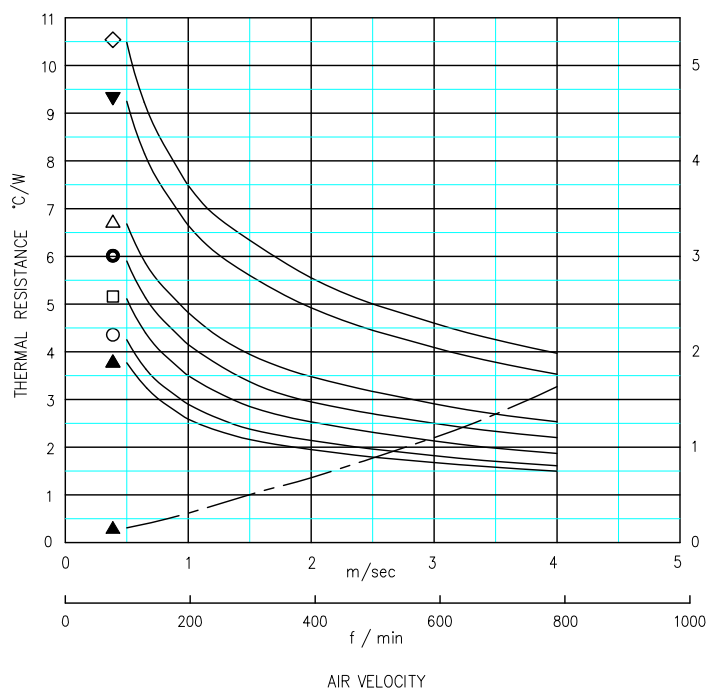


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB2035-6B  | 6                   | 5.0            |
| UB2035-7B  | 7                   | 5.3            |
| UB2035-10B | 10                  | 6.4            |
| UB2035-12B | 12                  | 7.1            |
| UB2035-15B | 15                  | 8.1            |
| UB2035-20B | 20                  | 9.8            |
| UB2035-25B | 25                  | 11.5           |

DATA



- ◇ UB2035-6B
- ▼ UB2035-7B
- △ UB2035-10B
- UB2035-12B
- UB2035-15B
- UB2035-20B
- ▲ UB2035-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

Alpha Company Ltd.

256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

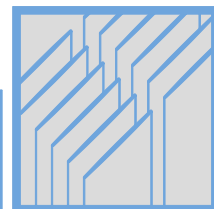
Alpha Novatech, Inc. - a subsidiary of Alpha Company.

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PHONE +1(408)567-8082  
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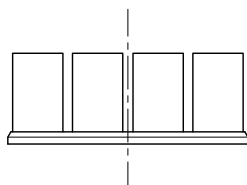
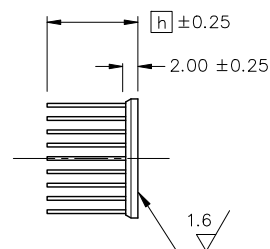
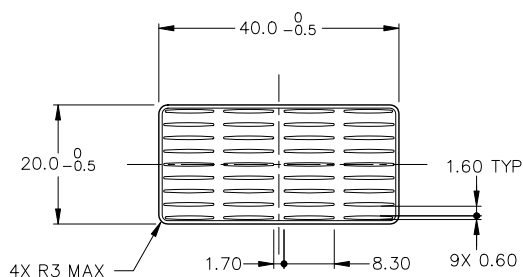
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB2040



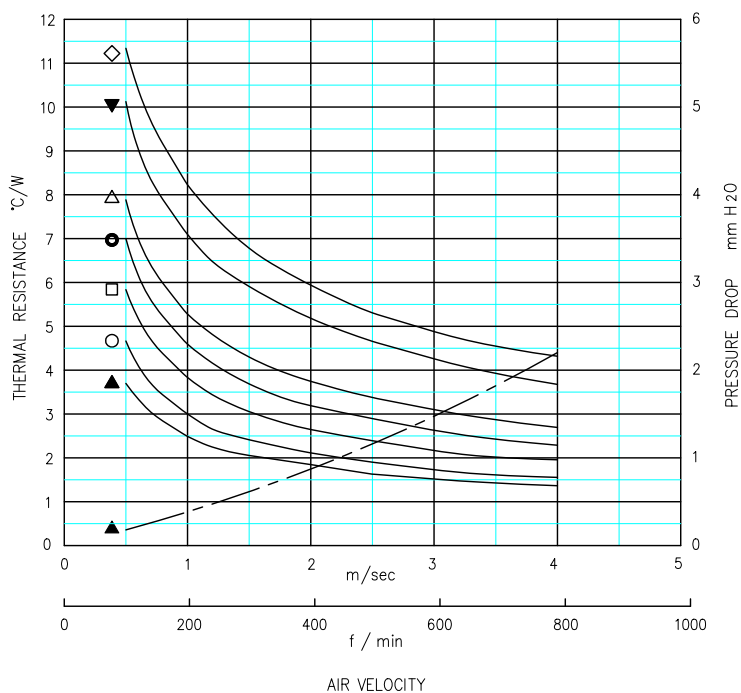
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB2040-6B  | 6                   | 5.9            |
| UB2040-7B  | 7                   | 6.3            |
| UB2040-10B | 10                  | 7.5            |
| UB2040-12B | 12                  | 8.3            |
| UB2040-15B | 15                  | 9.6            |
| UB2040-20B | 20                  | 11.6           |
| UB2040-25B | 25                  | 13.7           |

DATA



- ◇ UB2040-6B
- ▼ UB2040-7B
- △ UB2040-10B
- UB2040-12B
- UB2040-15B
- UB2040-20B
- ▲ UB2040-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
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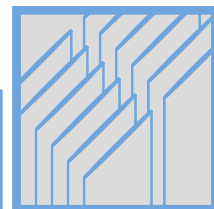
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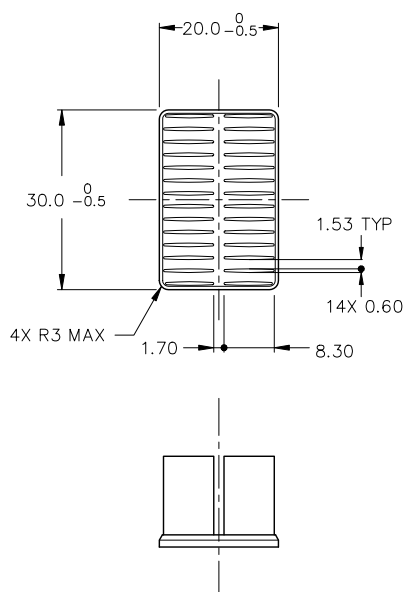
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

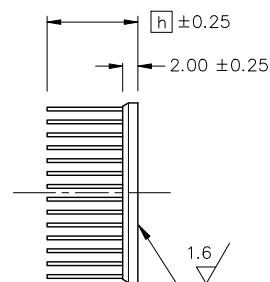
# UB3020



DIM

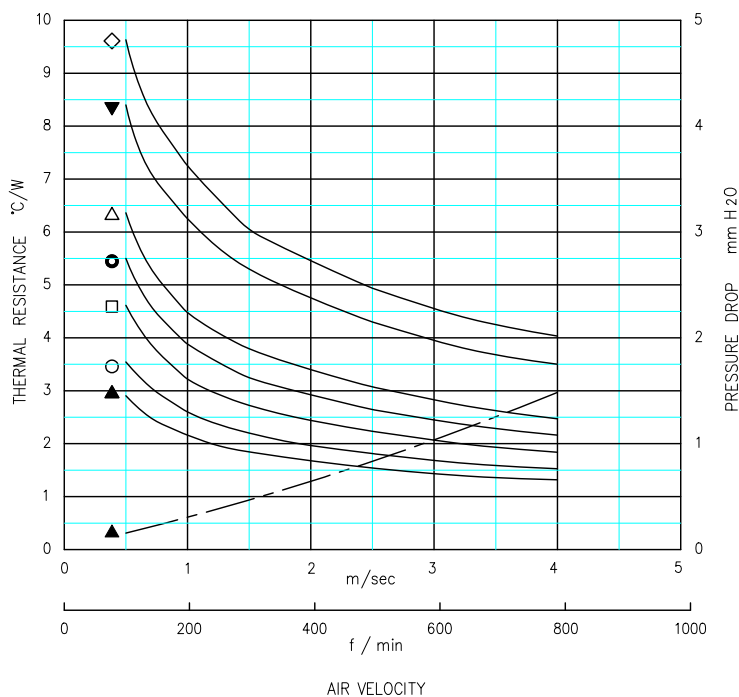


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB3020-6B  | 6                   | 4.3            |
| UB3020-7B  | 7                   | 4.7            |
| UB3020-10B | 10                  | 5.6            |
| UB3020-12B | 12                  | 6.3            |
| UB3020-15B | 15                  | 7.2            |
| UB3020-20B | 20                  | 8.8            |
| UB3020-25B | 25                  | 10.4           |

DATA



- ◇ UB3020-6B
- ▼ UB3020-7B
- △ UB3020-10B
- UB3020-12B
- UB3020-15B
- UB3020-20B
- ▲ UB3020-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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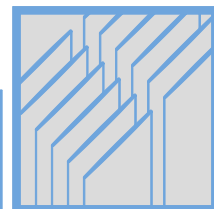
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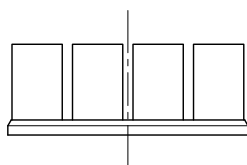
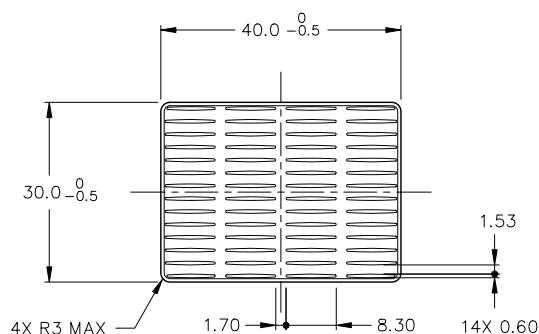
# ALPHA

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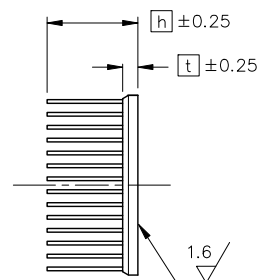
# UB3040



DIM

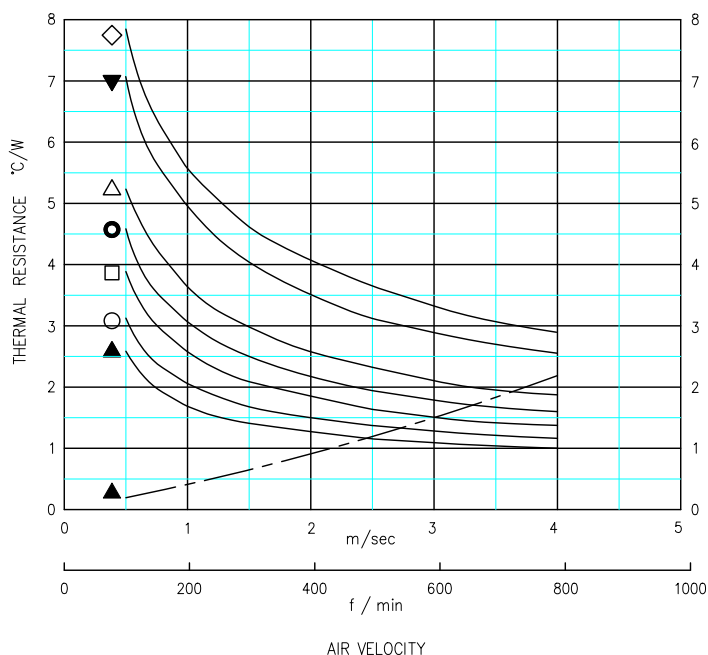


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL       | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-------------|--------------|---------------|----------------|
| UB3040-6B   | 6            | 2.00          | 8.8            |
| UB3040-7B   | 7            |               | 9.4            |
| UB3040-10B  | 10           |               | 12.6           |
| UB3040-12B  | 12           | 2.50          | 13.9           |
| UB3040-15B  | 15           |               | 15.8           |
| UB3040-20B  | 20           |               | 19.0           |
| UB3040-25B  | 25           |               | 22.2           |
| UB3040-[h]B | [h] ≤ 7      | 2.00          | -              |
|             | 7 < [h] ≤ 35 | 2.50          | -              |

DATA



- ◇ UB3040-6B
- ▼ UB3040-7B
- △ UB3040-10B
- UB3040-12B
- UB3040-15B
- UB3040-20B
- ▲ UB3040-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
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E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

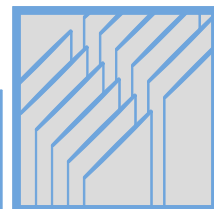
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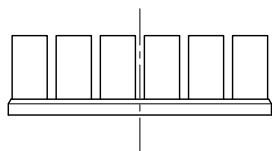
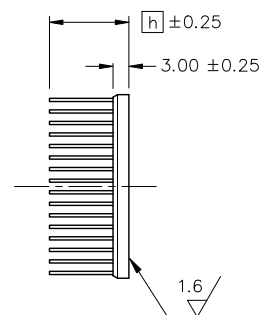
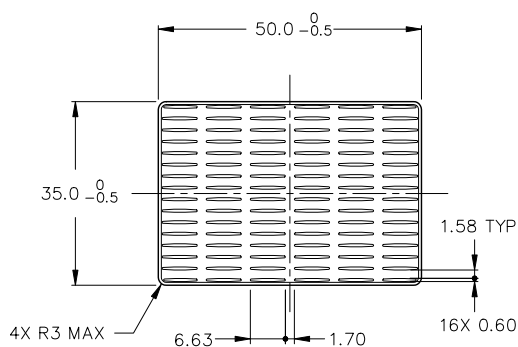
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB3550



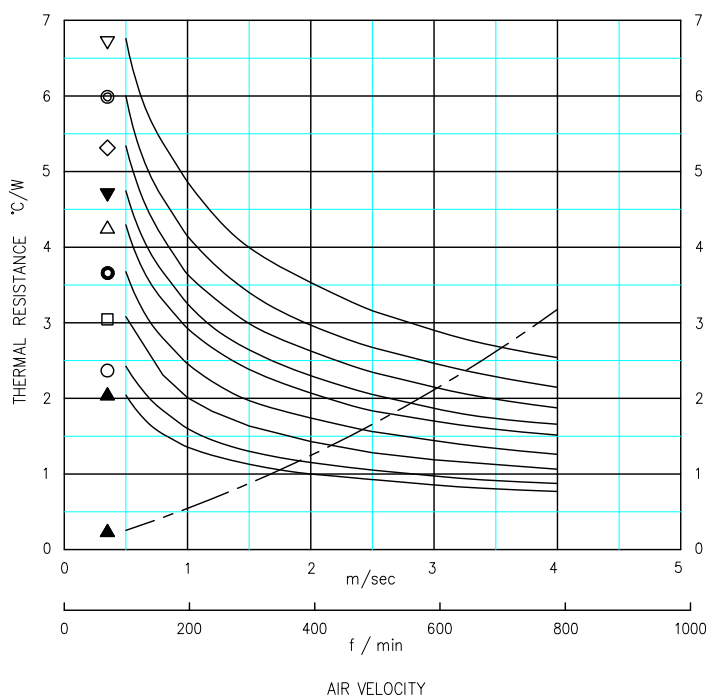
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB3550-6B  | 6                   | 16.6           |
| UB3550-7B  | 7                   | 17.5           |
| UB3550-8B  | 8                   | 18.3           |
| UB3550-9B  | 9                   | 19.2           |
| UB3550-10B | 10                  | 20.1           |
| UB3550-12B | 12                  | 21.8           |
| UB3550-15B | 15                  | 24.4           |
| UB3550-20B | 20                  | 28.8           |
| UB3550-25B | 25                  | 33.1           |

DATA



- ▽ UB3550-6B
- ⊙ UB3550-7B
- ◇ UB3550-8B
- ▼ UB3550-9B
- △ UB3550-10B
- UB3550-12B
- UB3550-15B
- UB3550-20B
- ▲ UB3550-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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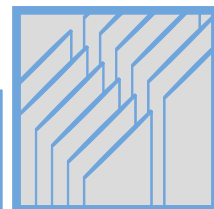
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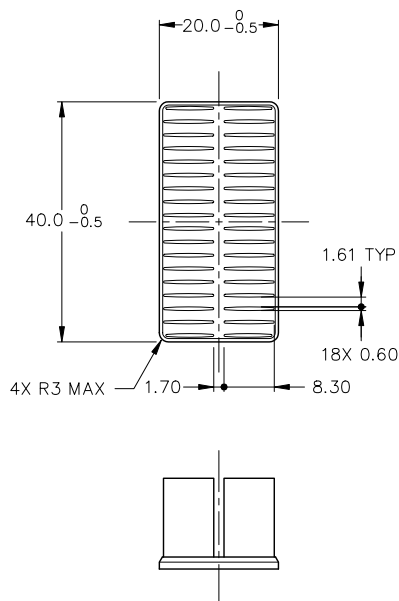
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

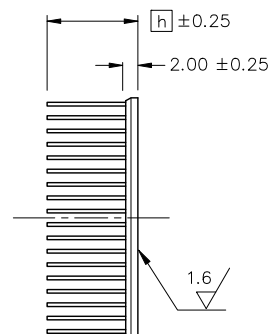
# UB4020



DIM

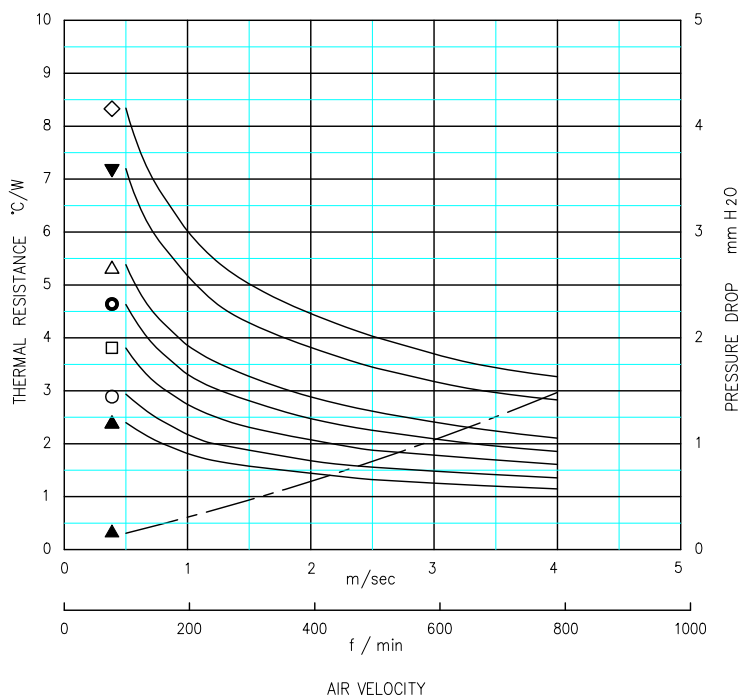


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB4020-6B  | 6                   | 5.9            |
| UB4020-7B  | 7                   | 6.3            |
| UB4020-10B | 10                  | 7.5            |
| UB4020-12B | 12                  | 8.3            |
| UB4020-15B | 15                  | 9.6            |
| UB4020-20B | 20                  | 11.6           |
| UB4020-25B | 25                  | 13.7           |

DATA



- ◇ UB4020-6B
- ▼ UB4020-7B
- △ UB4020-10B
- UB4020-12B
- UB4020-15B
- UB4020-20B
- ▲ UB4020-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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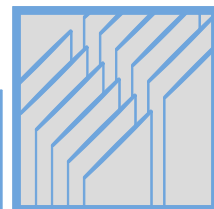
473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
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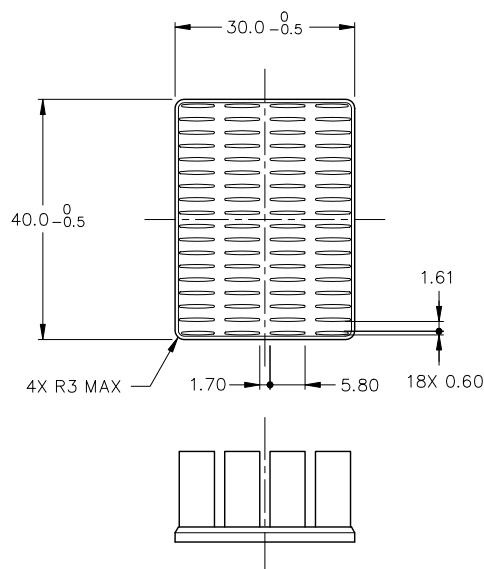
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

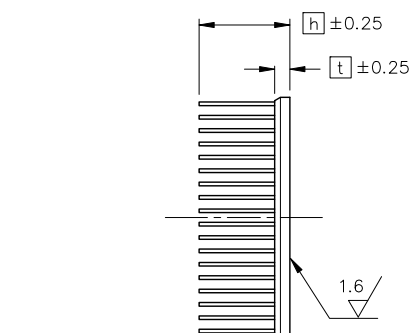
# UB4030



DIM

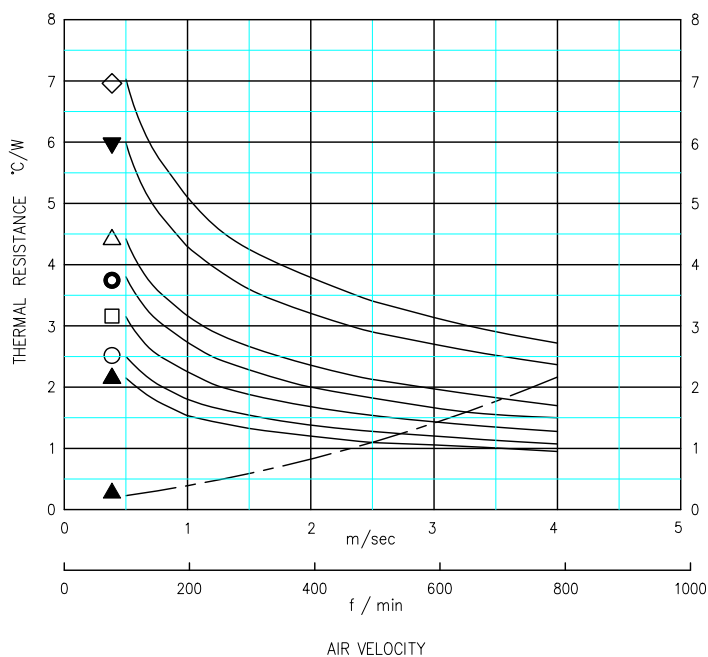


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL       | HEIGHT [h]   | THICKNESS [t] | WEIGHT (grams) |
|-------------|--------------|---------------|----------------|
| UB4030-6B   | 6            | 2.00          | 8.5            |
| UB4030-7B   | 7            |               | 9.1            |
| UB4030-10B  | 10           |               | 12.1           |
| UB4030-12B  | 12           | 2.50          | 13.2           |
| UB4030-15B  | 15           |               | 14.9           |
| UB4030-20B  | 20           |               | 17.8           |
| UB4030-25B  | 25           |               | 20.6           |
| UB4030-[h]B | [h] ≤ 7      | 2.00          | -              |
|             | 7 < [h] ≤ 35 | 2.50          | -              |

DATA



- ◇ UB4030-6B
- ▼ UB4030-7B
- △ UB4030-10B
- UB4030-12B
- UB4030-15B
- UB4030-20B
- ▲ UB4030-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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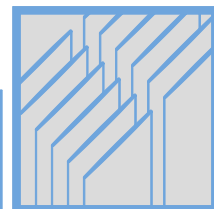
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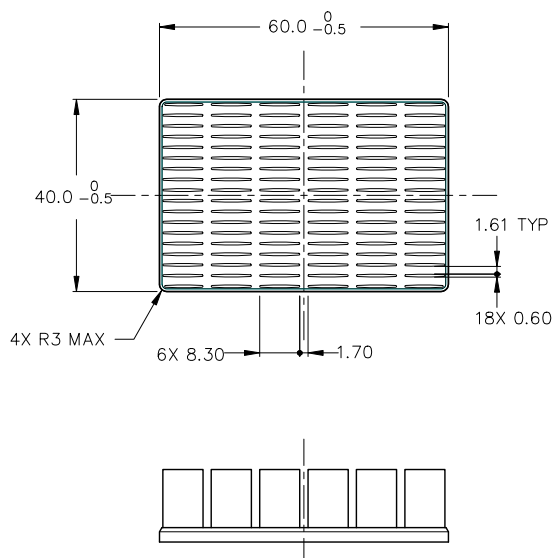
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

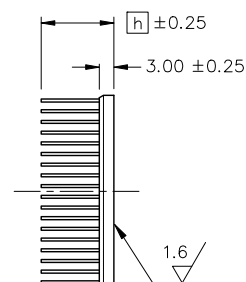
# UB4060



DIM

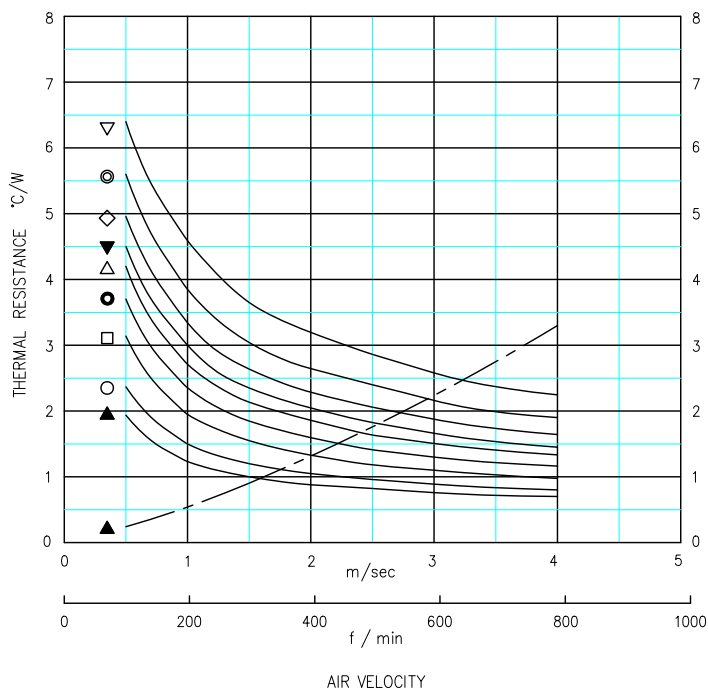


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB4060-6B  | 6                   | 23.0           |
| UB4060-7B  | 7                   | 24.3           |
| UB4060-8B  | 8                   | 25.6           |
| UB4060-9B  | 9                   | 26.9           |
| UB4060-10B | 10                  | 28.2           |
| UB4060-12B | 12                  | 30.7           |
| UB4060-15B | 15                  | 34.6           |
| UB4060-20B | 20                  | 41.0           |
| UB4060-25B | 25                  | 47.4           |

DATA



- ▽ UB4060-6B
- ⊙ UB4060-7B
- ◇ UB4060-8B
- ▼ UB4060-9B
- △ UB4060-10B
- UB4060-12B
- UB4060-15B
- UB4060-20B
- ▲ UB4060-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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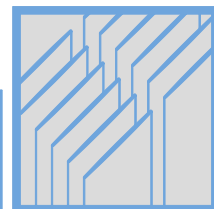
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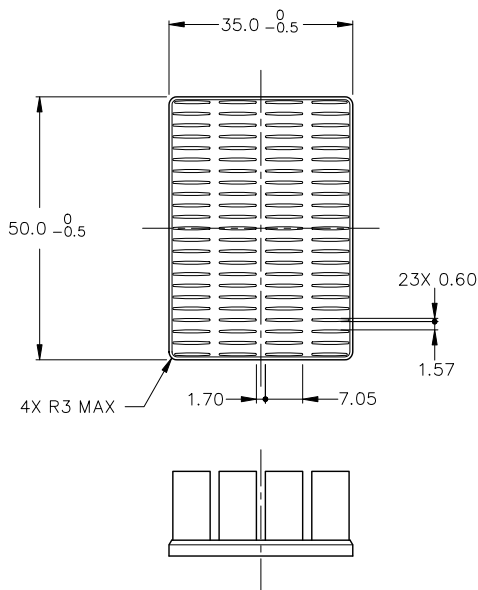
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

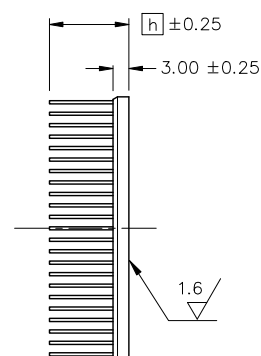
# UB5035



DIM

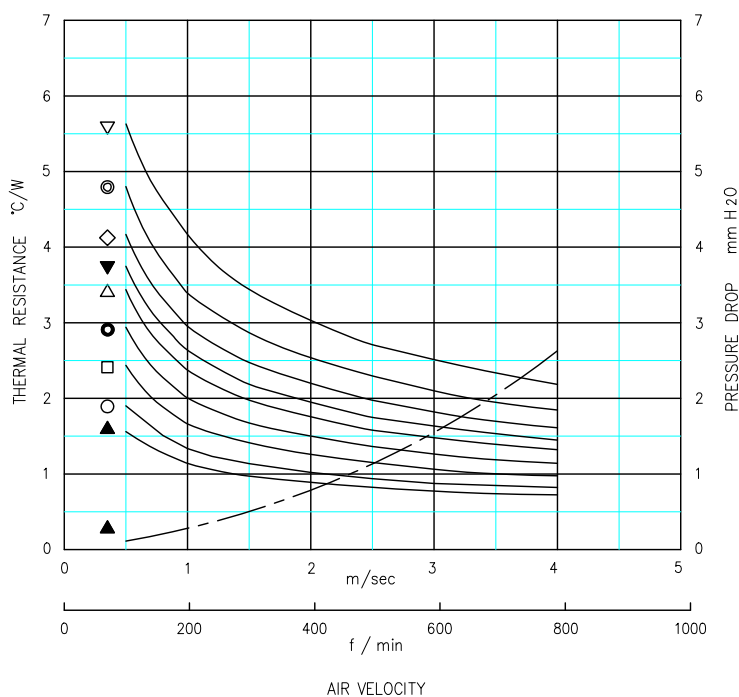


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB5035-6B  | 6                   | 16.6           |
| UB5035-7B  | 7                   | 17.5           |
| UB5035-8B  | 8                   | 18.4           |
| UB5035-9B  | 9                   | 19.3           |
| UB5035-10B | 10                  | 20.2           |
| UB5035-12B | 12                  | 22.0           |
| UB5035-15B | 15                  | 24.6           |
| UB5035-20B | 20                  | 29.1           |
| UB5035-25B | 25                  | 33.5           |

DATA



- ▽ UB5035-6B
- ⊙ UB5035-7B
- ◇ UB5035-8B
- ▼ UB5035-9B
- △ UB5035-10B
- UB5035-12B
- UB5035-15B
- UB5035-20B
- ▲ UB5035-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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PHONE +81(55)966 0789  
FAX +81(55)966 9192  
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URL : <https://www.micforg.co.jp>

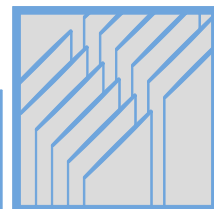
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E mail : sales@alphanovatech.com  
URL : <https://www.alphanovatech.com>

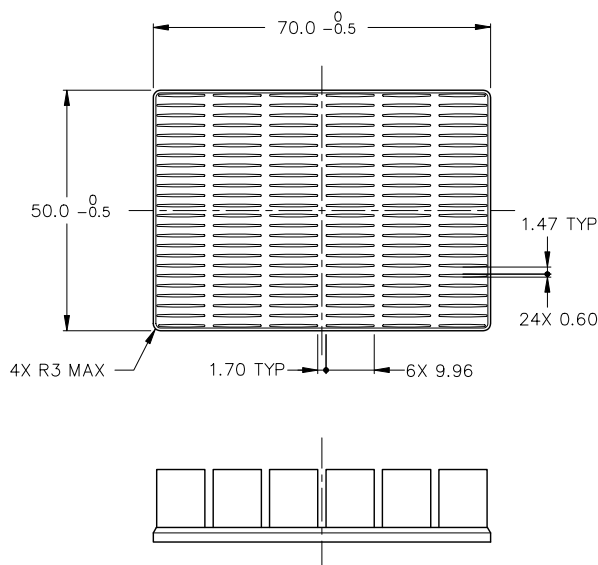
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

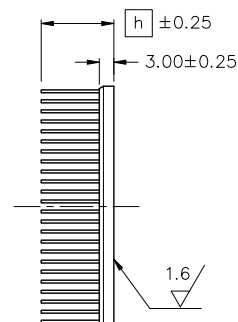
# UB5070



DIM

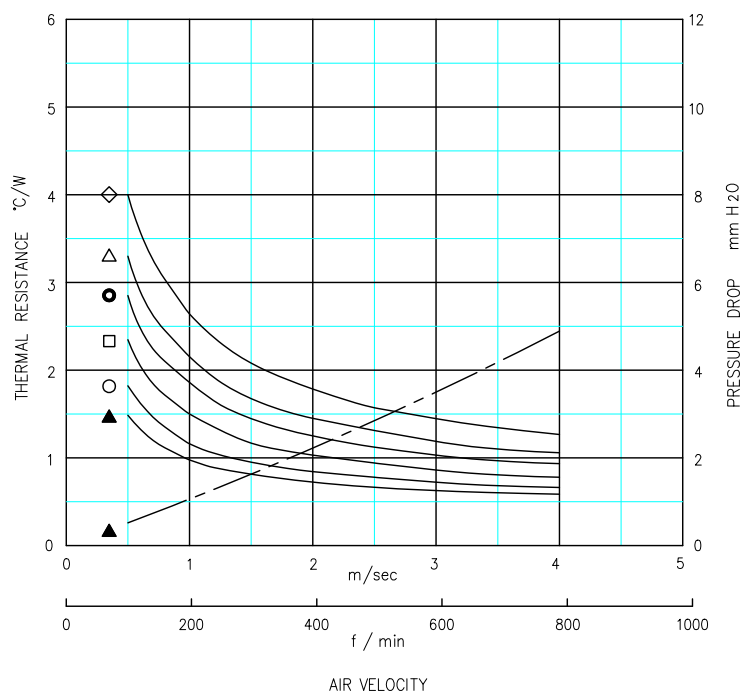


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB5070-8B  | 8                   | 38.0           |
| UB5070-10B | 10                  | 41.9           |
| UB5070-12B | 12                  | 45.9           |
| UB5070-15B | 15                  | 51.9           |
| UB5070-20B | 20                  | 61.8           |
| UB5070-25B | 25                  | 71.7           |

DATA



- ◇ UB5070-8B
- △ UB5070-10B
- UB5070-12B
- UB5070-15B
- UB5070-20B
- ▲ UB5070-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
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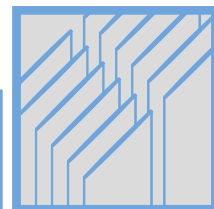
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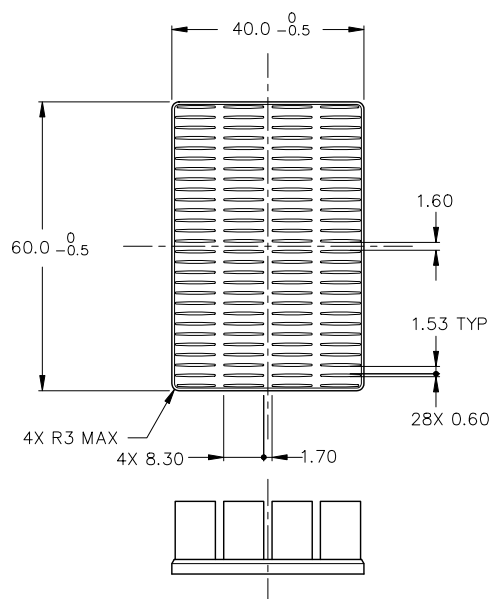
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

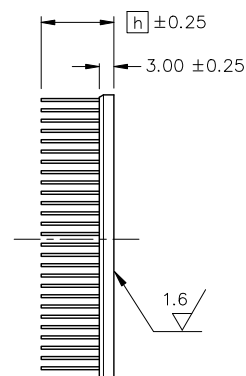
# UB6040



DIM

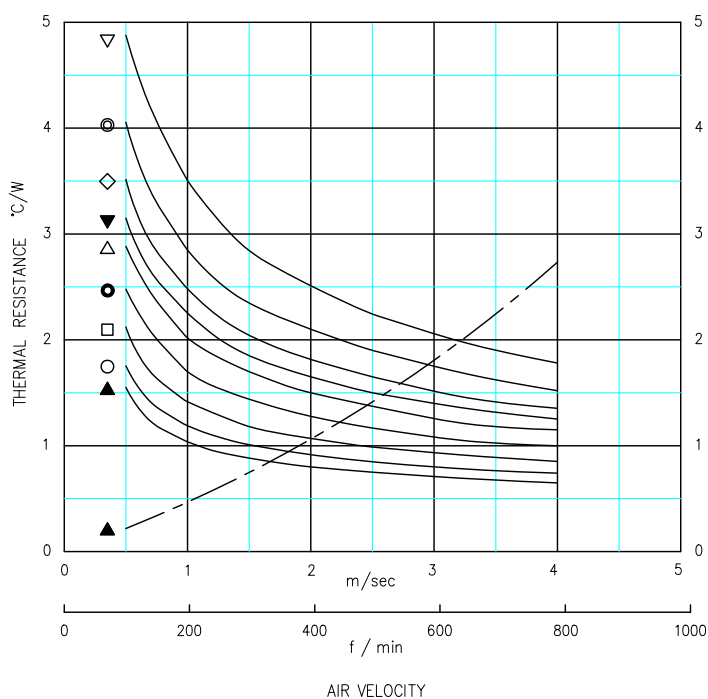


MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm



| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB6040-6B  | 6                   | 22.9           |
| UB6040-7B  | 7                   | 24.1           |
| UB6040-8B  | 8                   | 25.4           |
| UB6040-9B  | 9                   | 26.6           |
| UB6040-10B | 10                  | 27.8           |
| UB6040-12B | 12                  | 30.3           |
| UB6040-15B | 15                  | 34.0           |
| UB6040-20B | 20                  | 40.2           |
| UB6040-25B | 25                  | 46.4           |

DATA



- ▽ UB6040-6B
- ⊙ UB6040-7B
- ◇ UB6040-8B
- ▼ UB6040-9B
- △ UB6040-10B
- UB6040-12B
- UB6040-15B
- UB6040-20B
- ▲ UB6040-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

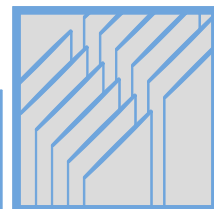
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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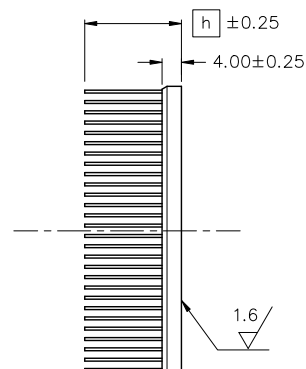
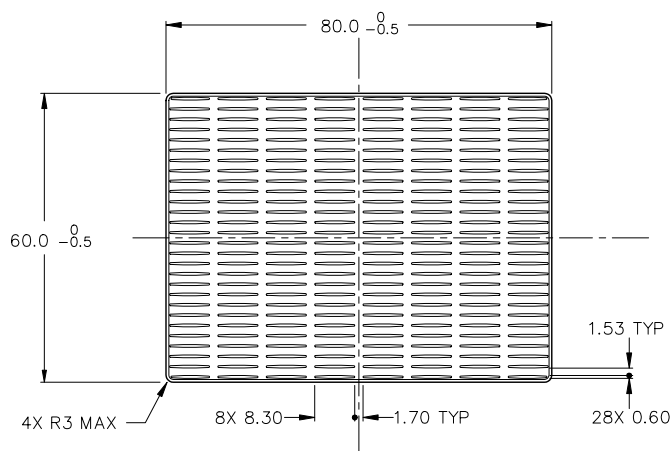
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PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

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473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
PHONE +1(408)567-8082  
FAX +1(408)567-8053  
E mail : [sales@alphanovatech.com](mailto:sales@alphanovatech.com)  
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**ALPHA**Low Pressure Drop and  
Low Thermal Resistance Heat Sink**UB6080**

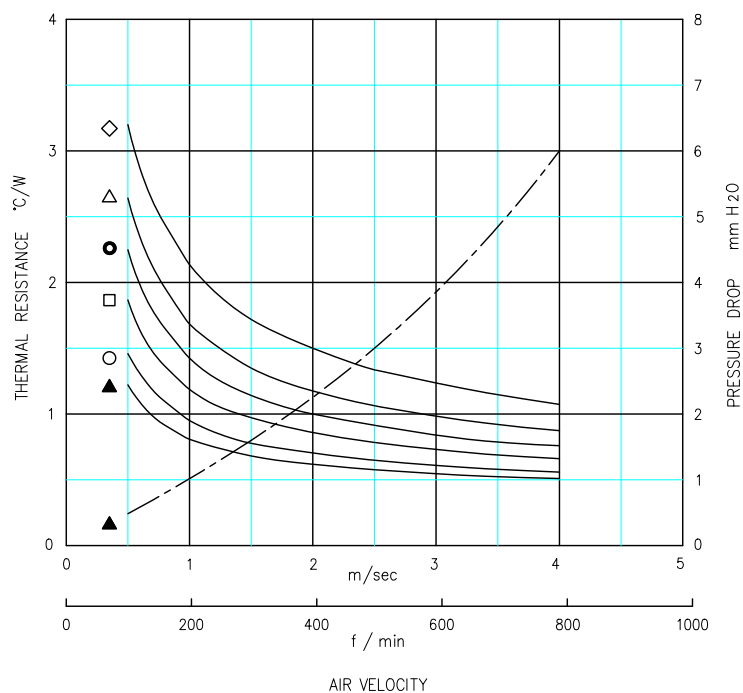
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB6080-8B  | 8                   | 61.6           |
| UB6080-10B | 10                  | 66.7           |
| UB6080-12B | 12                  | 71.9           |
| UB6080-15B | 15                  | 79.5           |
| UB6080-20B | 20                  | 92.3           |
| UB6080-25B | 25                  | 105.1          |

DATA



- ◇ UB6080-8B
- △ UB6080-10B
- UB6080-12B
- UB6080-15B
- UB6080-20B
- ▲ UB6080-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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FAX +81(55)966 9192  
E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
URL : <https://www.micforg.co.jp>

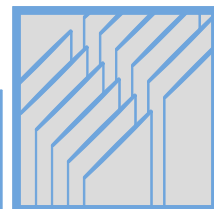
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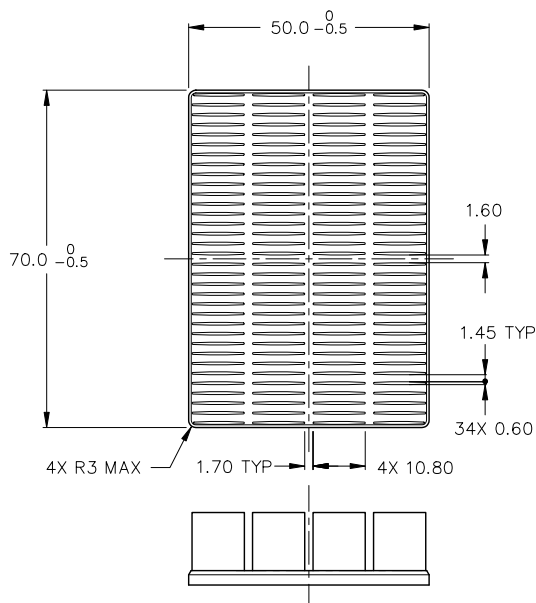
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB7050



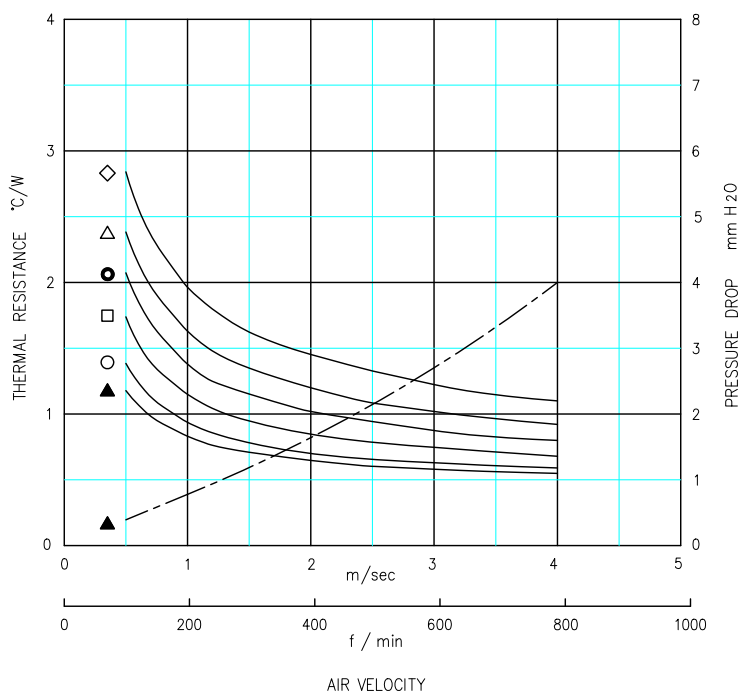
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB7050-8B  | 8                   | 38.2           |
| UB7050-10B | 10                  | 42.3           |
| UB7050-12B | 12                  | 46.3           |
| UB7050-15B | 15                  | 52.4           |
| UB7050-20B | 20                  | 62.6           |
| UB7050-25B | 25                  | 72.7           |

DATA



- ◇ UB7050-8B
- △ UB7050-10B
- UB7050-12B
- UB7050-15B
- UB7050-20B
- ▲ UB7050-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - - -

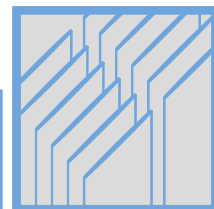
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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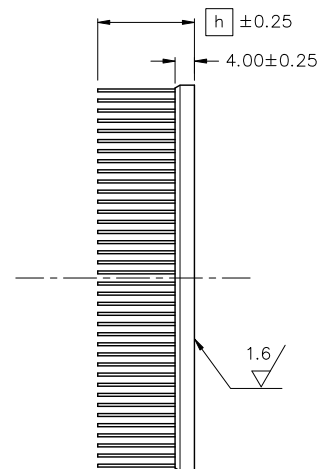
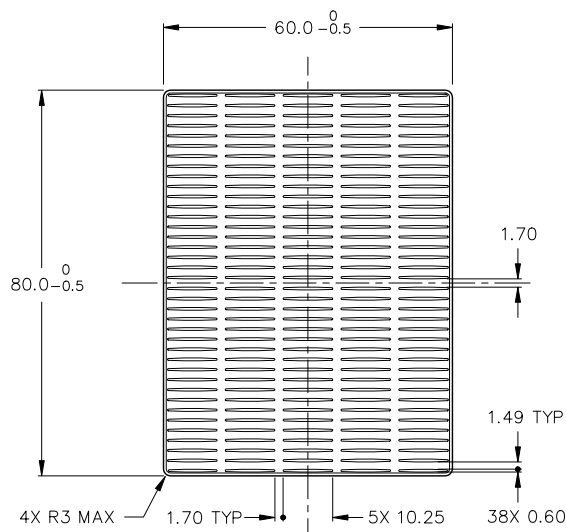
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FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

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473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
PHONE +1(408)567-8082  
FAX +1(408)567-8053  
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**ALPHA**Low Pressure Drop and  
Low Thermal Resistance Heat Sink**UB8060**

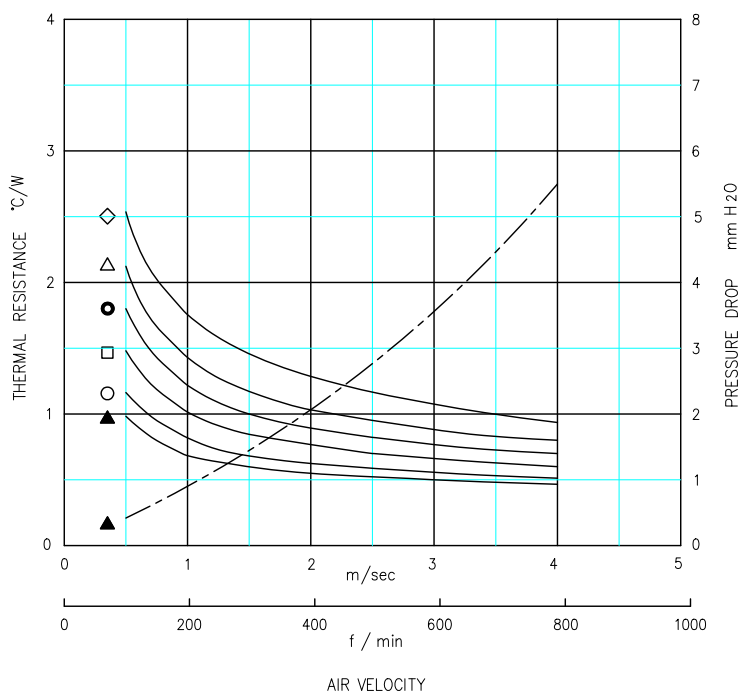
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL      | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|------------|---------------------|----------------|
| UB8060-8B  | 8                   | 62.2           |
| UB8060-10B | 10                  | 67.5           |
| UB8060-12B | 12                  | 72.9           |
| UB8060-15B | 15                  | 81.0           |
| UB8060-20B | 20                  | 94.4           |
| UB8060-25B | 25                  | 107.9          |

DATA



- ◇ UB8060-8B
- △ UB8060-10B
- UB8060-12B
- UB8060-15B
- UB8060-20B
- ▲ UB8060-25B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 12.7 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
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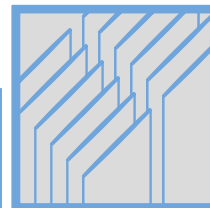
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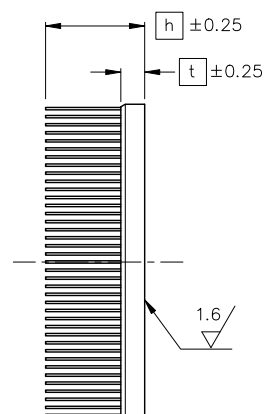
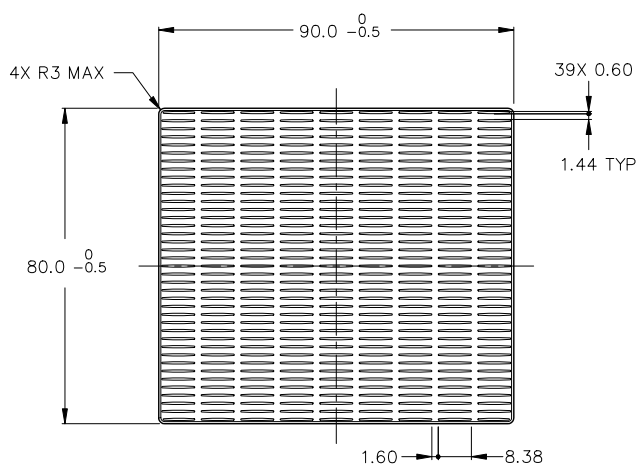
# ALPHA

Low Pressure Drop and  
Low Thermal Resistance Heat Sink

# UB8090



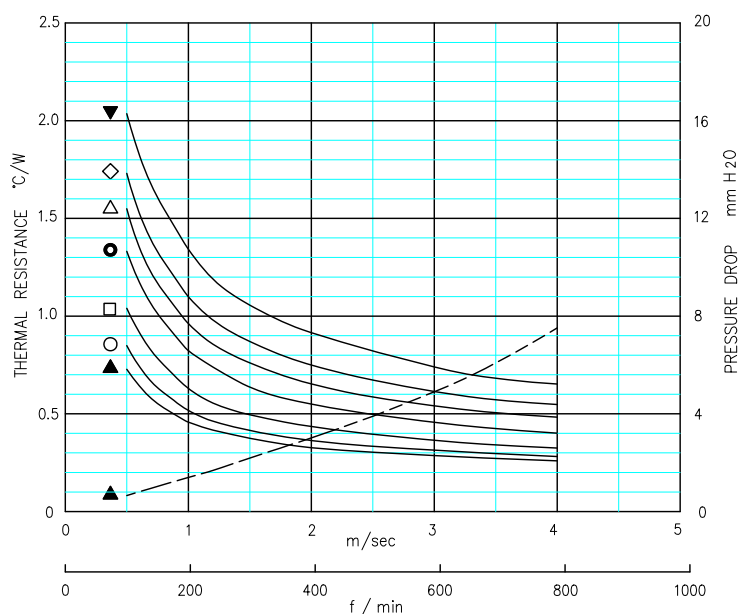
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| UB8090-8B   | 8             | 4.00          | 93.4           |
| UB8090-10B  | 10            |               | 101.5          |
| UB8090-12B  | 12            |               | 109.6          |
| UB8090-15B  | 15            | 6.00          | 152.3          |
| UB8090-20B  | 20            |               | 172.5          |
| UB8090-25B  | 25            |               | 192.8          |
| UB8090-30B  | 30            |               | 213.0          |
| UB8090-[h]B | [h] ≤ 12      | 4.00          | -              |
|             | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



▼ UB8090-8B  
◇ UB8090-10B  
△ UB8090-12B  
● UB8090-15B  
□ UB8090-20B  
○ UB8090-25B  
▲ UB8090-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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E mail : [alpha@micforg.co.jp](mailto:alpha@micforg.co.jp)  
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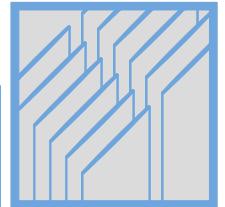
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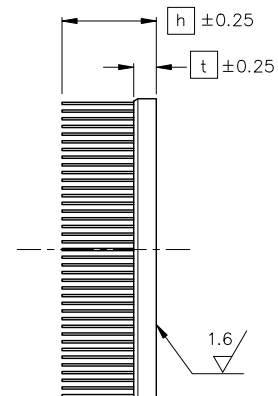
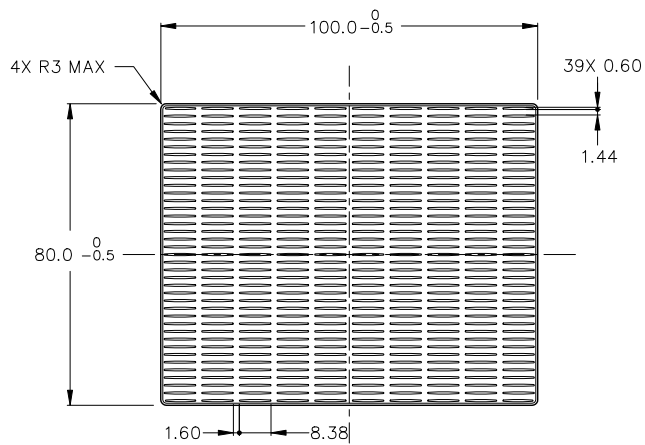
# ALPHA

Low Pressure Drop and  
Low Thermal Resistance Heat Sink

# UB80100



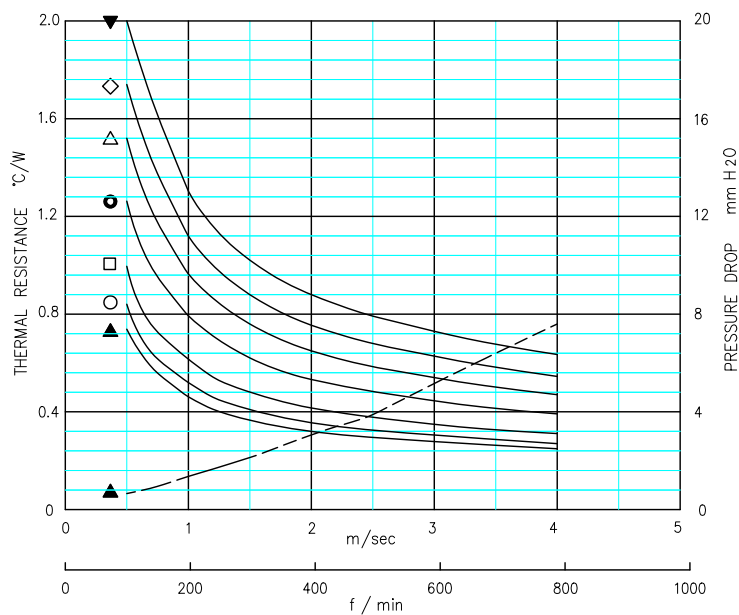
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL        | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|--------------|---------------|---------------|----------------|
| UB80100-8B   | 8             | 4.00          | 103.9          |
| UB80100-10B  | 10            |               | 112.9          |
| UB80100-12B  | 12            |               | 121.8          |
| UB80100-15B  | 15            | 6.00          | 169.2          |
| UB80100-20B  | 20            |               | 191.7          |
| UB80100-25B  | 25            |               | 214.2          |
| UB80100-30B  | 30            |               | 236.7          |
| UB80100-[h]B | [h] ≤ 12      | 4.00          | -              |
|              | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



- ▼ UB80100-8B
- ◇ UB80100-10B
- △ UB80100-12B
- UB80100-15B
- UB80100-20B
- UB80100-25B
- ▲ UB80100-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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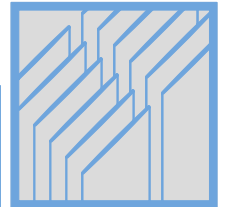
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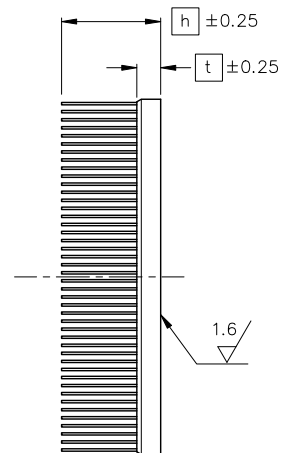
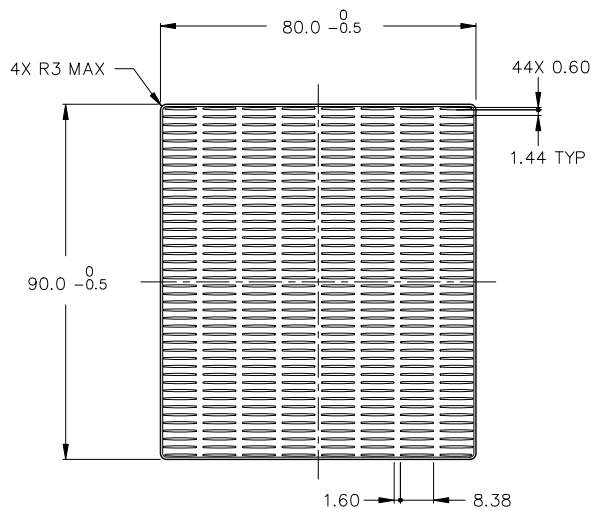
# ALPHA

Low Pressure Drop and  
Low Thermal Resistance Heat Sink

# UB9080



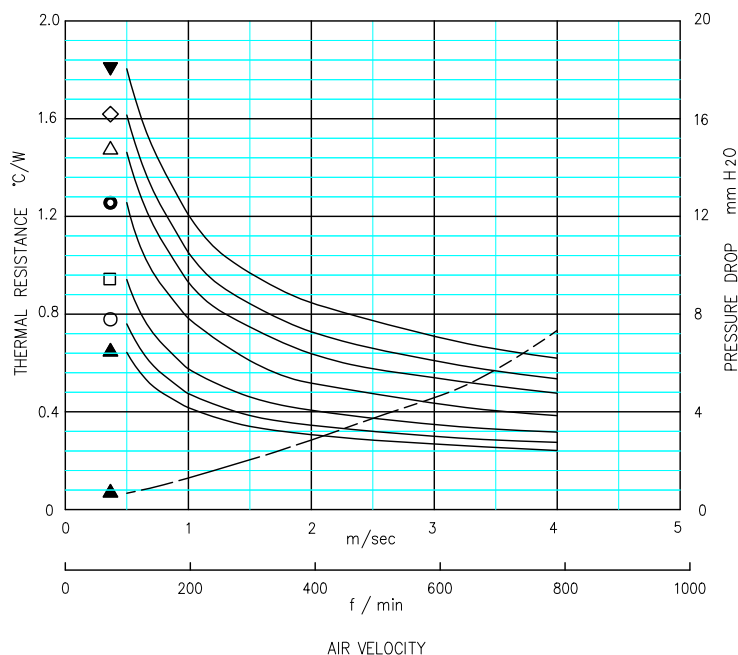
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL       | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|-------------|---------------|---------------|----------------|
| UB9080-8B   | 8             | 4.00          | 93.5           |
| UB9080-10B  | 10            |               | 101.6          |
| UB9080-12B  | 12            |               | 109.7          |
| UB9080-15B  | 15            | 6.00          | 152.4          |
| UB9080-20B  | 20            |               | 172.7          |
| UB9080-25B  | 25            |               | 193.0          |
| UB9080-30B  | 30            |               | 213.3          |
| UB9080-[h]B | [h] ≤ 12      | 4.00          | -              |
|             | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



- ▼ UB9080-8B
- ◇ UB9080-10B
- △ UB9080-12B
- UB9080-15B
- UB9080-20B
- UB9080-25B
- ▲ UB9080-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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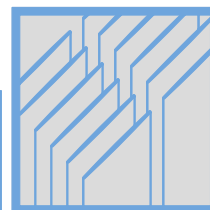
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URL : <https://www.alphanovatech.com>

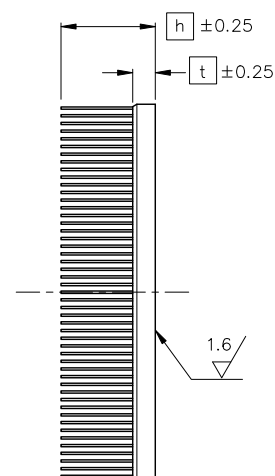
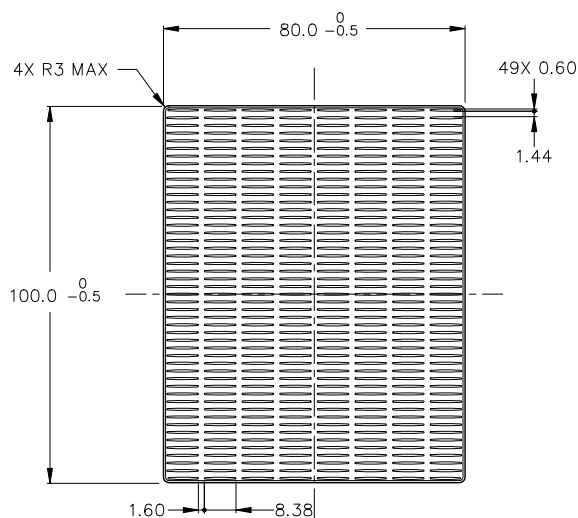
# ALPHA

## Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB10080



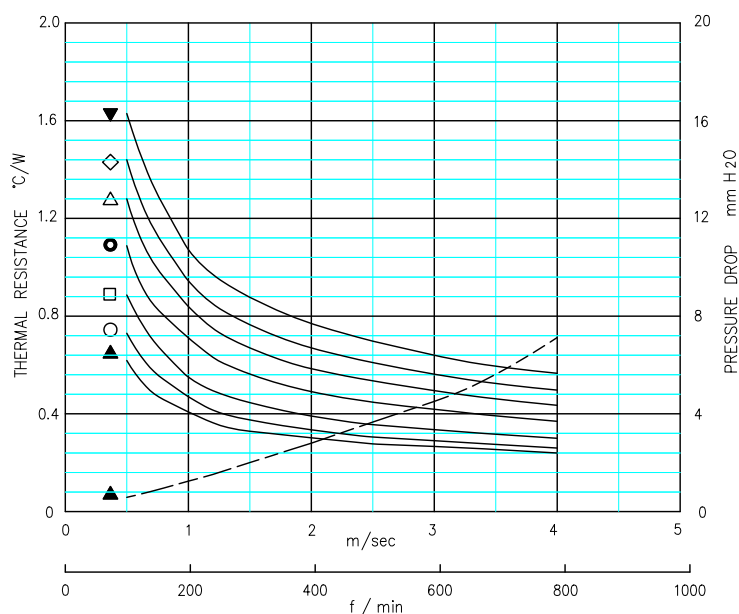
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL        | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|--------------|---------------|---------------|----------------|
| UB10080-8B   | 8             | 4.00          | 103.9          |
| UB10080-10B  | 10            |               | 112.9          |
| UB10080-12B  | 12            |               | 122.0          |
| UB10080-15B  | 15            | 6.00          | 169.4          |
| UB10080-20B  | 20            |               | 192.1          |
| UB10080-25B  | 25            |               | 214.7          |
| UB10080-30B  | 30            |               | 237.3          |
| UB10080-[h]B | [h] ≤ 12      | 4.00          | -              |
|              | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



- ▼ UB10080-8B
- ◇ UB10080-10B
- △ UB10080-12B
- UB10080-15B
- UB10080-20B
- UB10080-25B
- ▲ UB10080-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

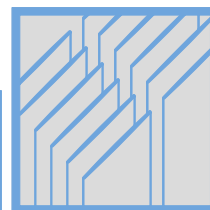
■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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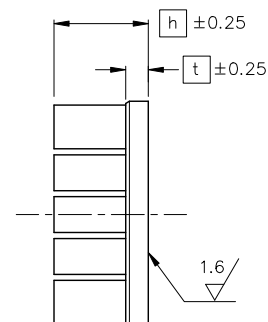
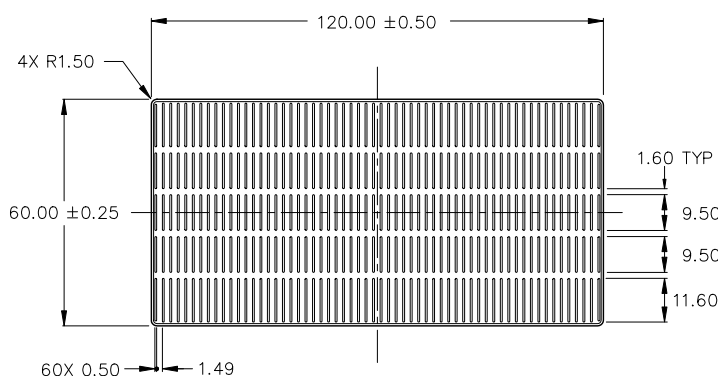
256-1 UEDA, NUMAZU-CITY SHIZUOKA-PREF., JAPAN  
PHONE +81(55)966 0789  
FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
URL : <https://www.micforg.co.jp>

Alpha Novatech, Inc. - a subsidiary of Alpha Company.

473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
PHONE +1(408)567-8082  
FAX +1(408)567-8053  
E mail : sales@alphanovatech.com  
URL : <https://www.alphanovatech.com>

**ALPHA**Low Pressure Drop and  
Low Thermal Resistance Heat Sink**UB12060**

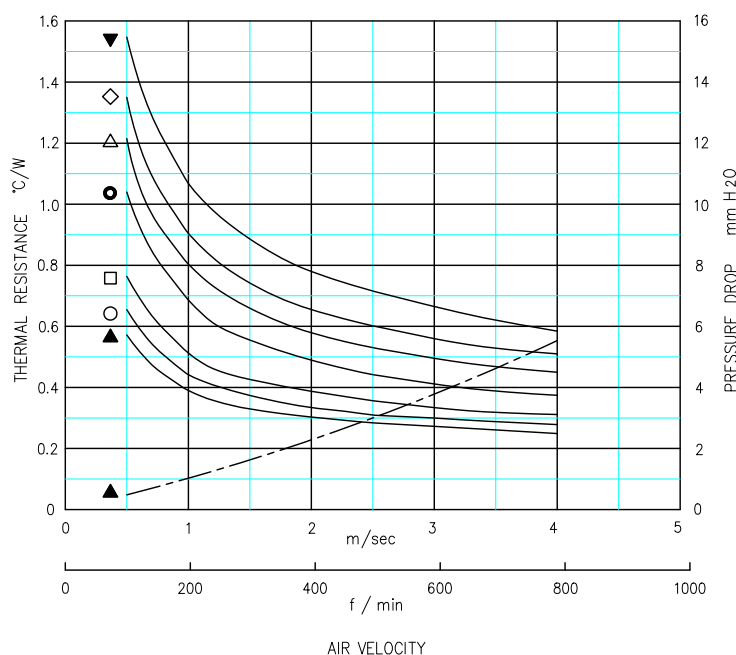
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL        | HEIGHT [h]    | THICKNESS [t] | WEIGHT (grams) |
|--------------|---------------|---------------|----------------|
| UB12060-8B   | 8             | 4.00          | 92.4           |
| UB12060-10B  | 10            | 4.00          | 100.0          |
| UB12060-12B  | 12            | 5.00          | 125.5          |
| UB12060-15B  | 15            | 6.00          | 153.1          |
| UB12060-20B  | 20            | 6.00          | 173.8          |
| UB12060-25B  | 25            | 6.00          | 194.4          |
| UB12060-30B  | 30            | 6.00          | 215.1          |
| UB12060-[h]B | [h] ≤ 10      | 4.00          | -              |
|              | 10 < [h] ≤ 12 | 5.00          | -              |
|              | 12 < [h] ≤ 30 | 6.00          | -              |

DATA



- ▼ UB12060-8B
- ◇ UB12060-10B
- △ UB12060-12B
- UB12060-15B
- UB12060-20B
- UB12060-25B
- ▲ UB12060-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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FAX +81(55)966 9192  
E mail : alpha@micforg.co.jp  
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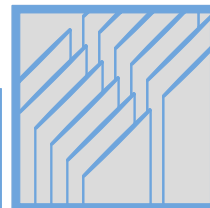
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473 Sapena Ct. #12 Santa Clara, CA 95054 USA  
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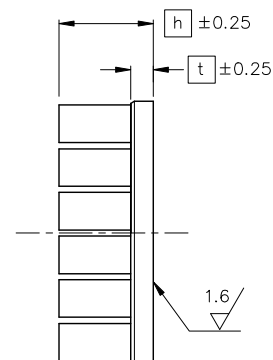
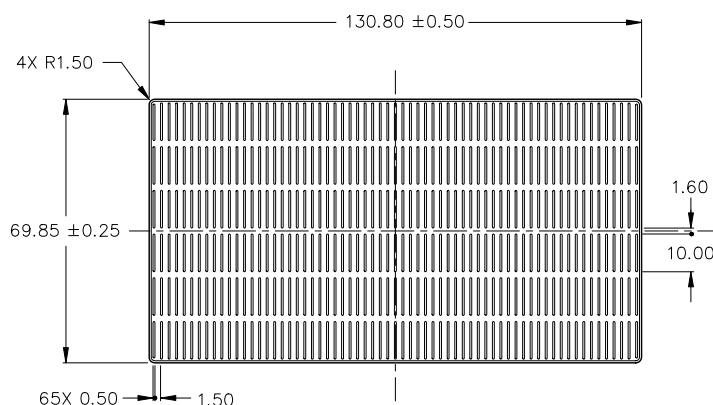
# ALPHA

Low Pressure Drop and  
Low Thermal Resistance Heat Sink

# UB13070



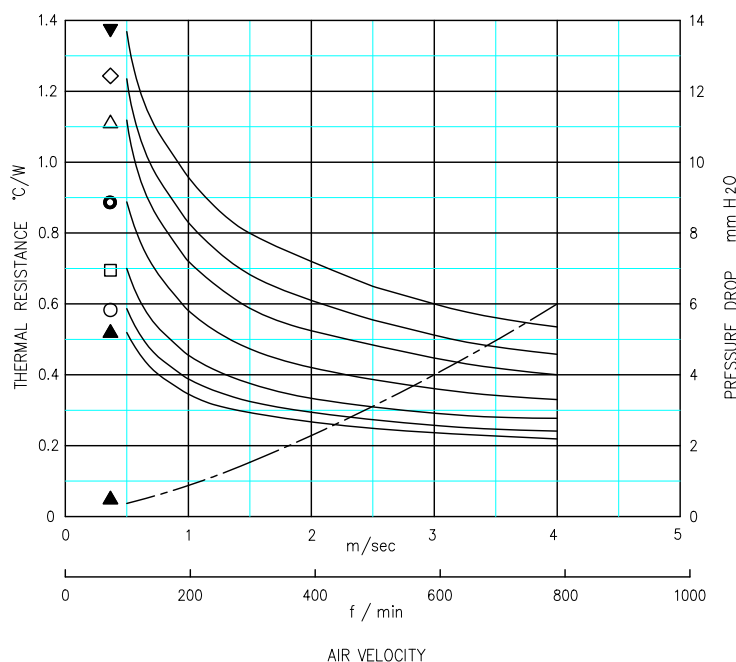
DIM



MATERIAL : A6063  
FINISH : BLACK ANODIZE  
DIMENSIONS : mm

| MODEL          | HEIGHT $h$       | THICKNESS $t$ | WEIGHT (grams) |
|----------------|------------------|---------------|----------------|
| UB13070-8B     | 8                | 4.00          | 118.8          |
| UB13070-10B    | 10               | 4.00          | 129.2          |
| UB13070-12B    | 12               | 5.00          | 158.1          |
| UB13070-15B    | 15               | 6.00          | 192.8          |
| UB13070-20B    | 20               |               | 218.2          |
| UB13070-25B    | 25               |               | 243.6          |
| UB13070-30B    | 30               |               | 269.0          |
| UB13070- $h$ B | $h \leq 10$      | 4.00          | -              |
|                | $10 < h \leq 12$ | 5.00          | -              |
|                | $12 < h \leq 30$ | 6.00          | -              |

DATA



- ▼ UB13070-8B
- ◇ UB13070-10B
- △ UB13070-12B
- UB13070-15B
- UB13070-20B
- UB13070-25B
- ▲ UB13070-30B

● DUCTED CONDITION  
DUMMY HEATER SIZE: 25.4 SQ  
THERMAL RESISTANCE ———  
PRESSURE DROP - - -

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.  
REFER TO TECHNICAL INFORMATION.

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