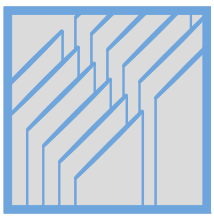


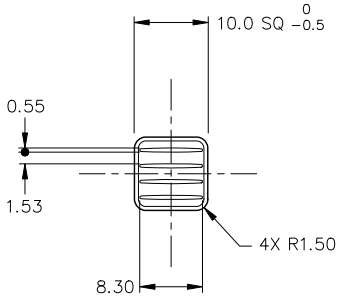
# UB Series

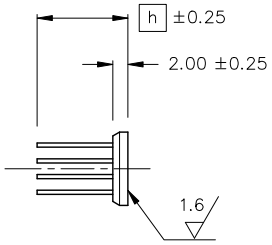
Low Pressure Drop and
Low Thermal Resistance Heat Sink

ALPHA

# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB10

DIM

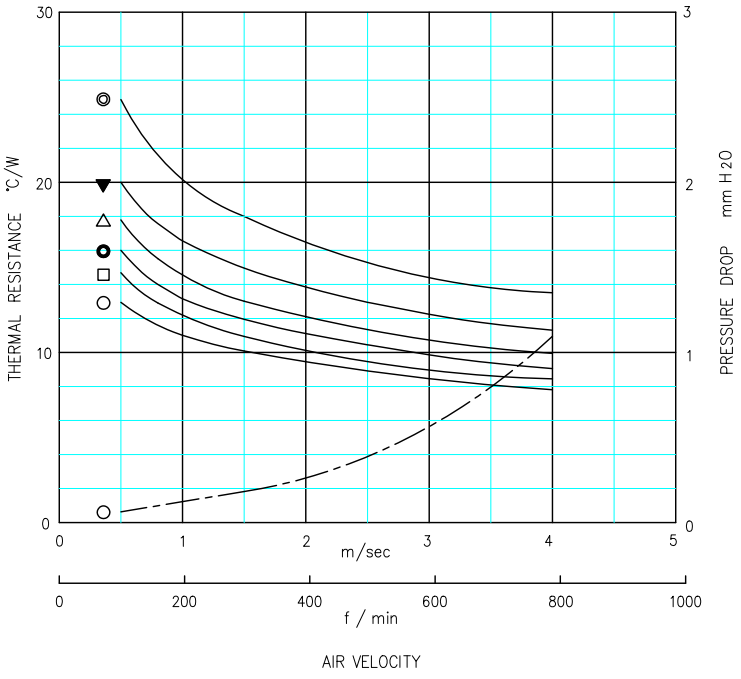



| MODEL | HEIGHT h | WEIGHT (grams) |
|---|---|---|
| UB10−5B | 5 | 0.6 |
| UB10−7B | 7 | 0.7 |
| UB10−10B | 10 | 0.8 |
| UB10−12B | 12 | 0.9 |
| UB10−15B | 15 | 1.0 |
| UB10−20B | 20 | 1.2 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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.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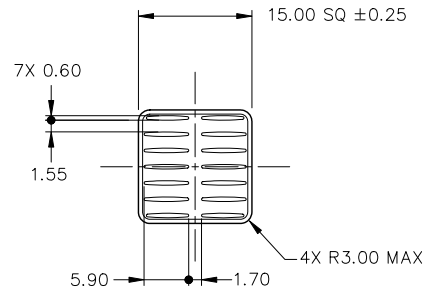
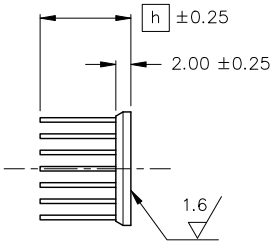
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB15

DIM

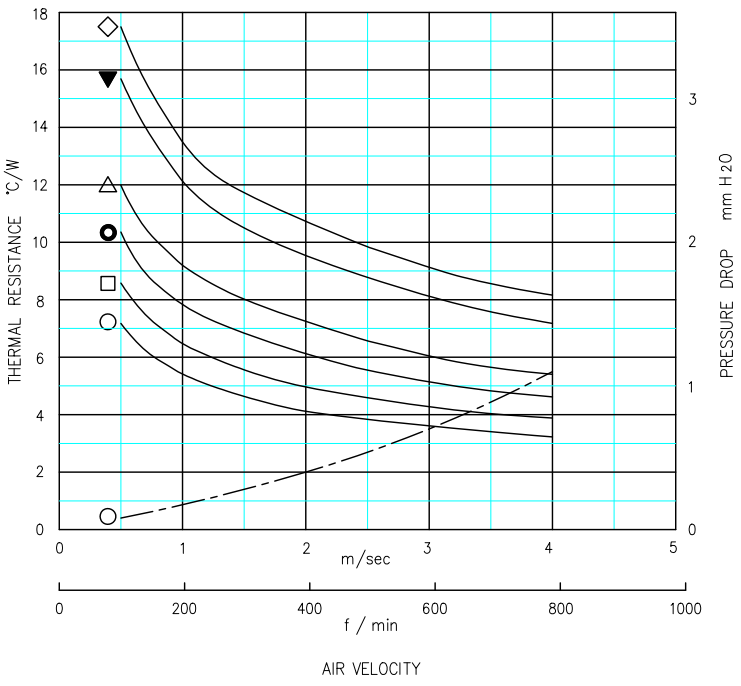



| MODEL | HEIGHT h | WEIGHT (grams) |
|---|---|---|
| UB15-6B | 6 | 1.6 |
| UB15-7B | 7 | 1.7 |
| UB15-10B | 10 | 2.1 |
| UB15-12B | 12 | 2.3 |
| UB15-15B | 15 | 2.6 |
| UB15-20B | 20 | 3.2 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




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

● 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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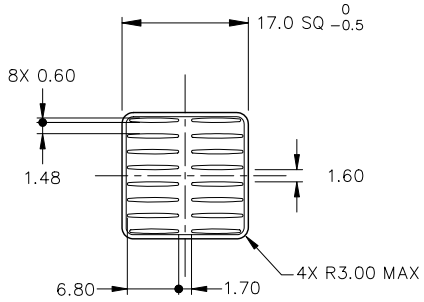
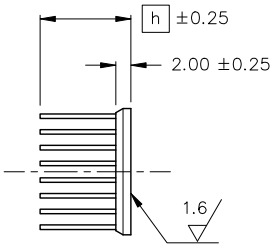
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB17

DIM

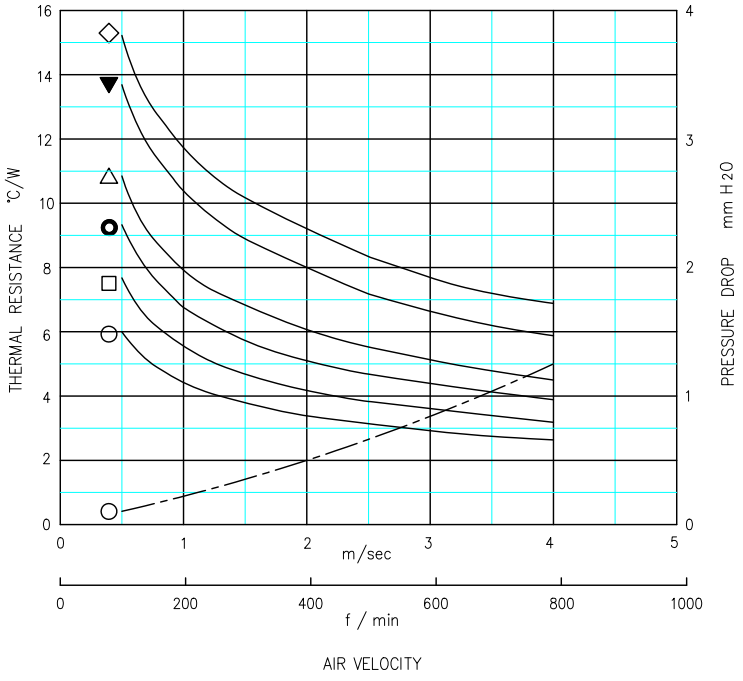



| MODEL | HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB17-6B | 6 | 2.1 |
| UB17-7B | 7 | 2.3 |
| UB17-10B | 10 | 2.7 |
| UB17-12B | 12 | 3.0 |
| UB17-15B | 15 | 3.4 |
| UB17-20B | 20 | 4.2 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




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

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

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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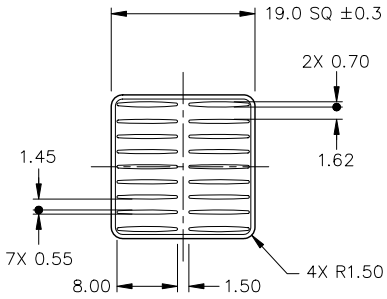
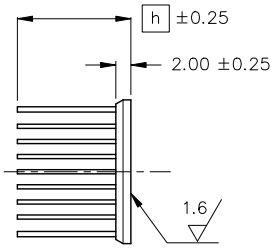
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB19

DIM

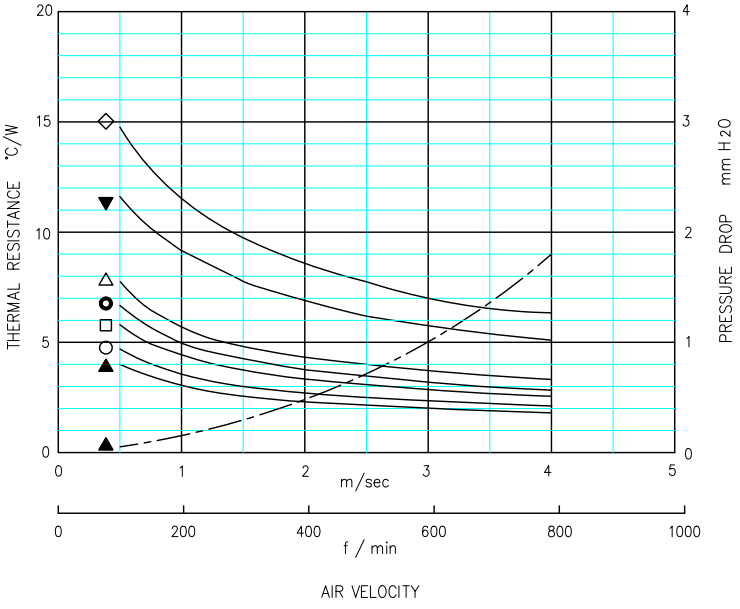



| MODEL | HEIGHT h | WEIGHT (grams) |
|---|---|---|
| UB19−6B | 6 | 2.6 |
| UB19−7B | 7 | 2.8 |
| UB19−10B | 10 | 3.3 |
| UB19−12B | 12 | 3.7 |
| UB19−15B | 15 | 4.2 |
| UB19−20B | 20 | 5.1 |
| UB19−25B | 25 | 6.0 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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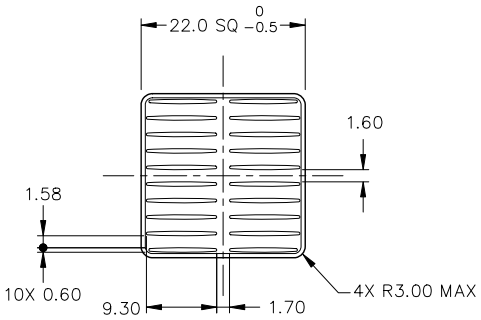
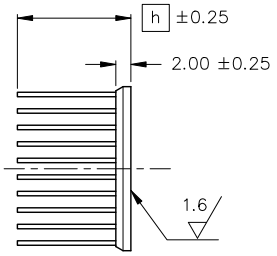
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB22

DIM

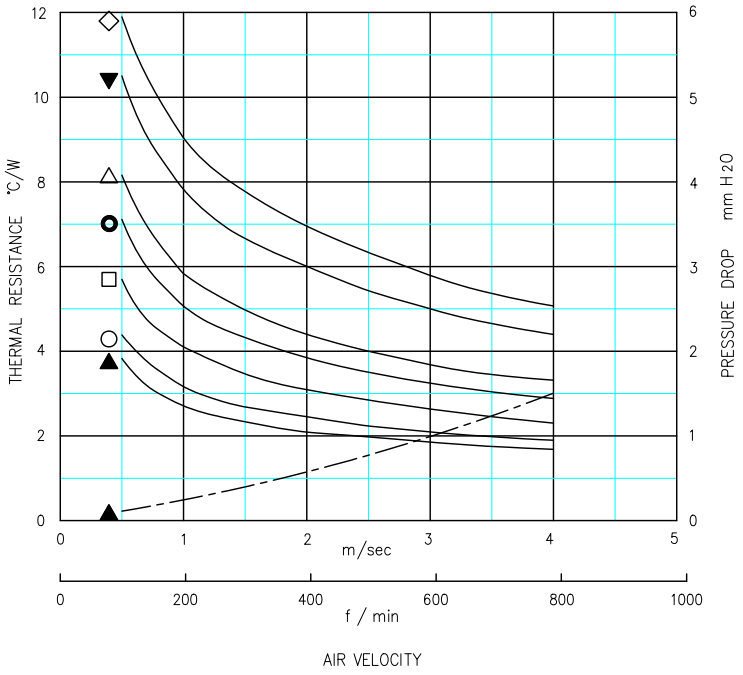



| MODEL | HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB22-6B | 6 | 3.6 |
| UB22-7B | 7 | 3.8 |
| UB22-10B | 10 | 4.6 |
| UB22-12B | 12 | 5.1 |
| UB22-15B | 15 | 5.9 |
| UB22-20B | 20 | 7.2 |
| UB22-25B | 25 | 8.4 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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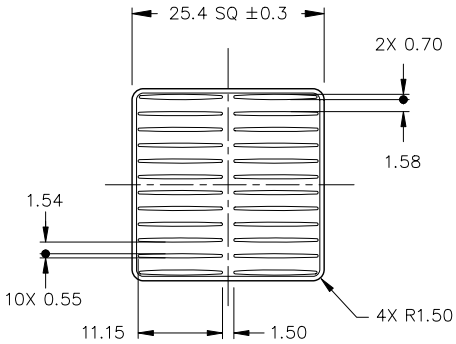
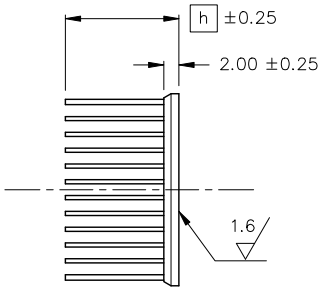
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB25

DIM

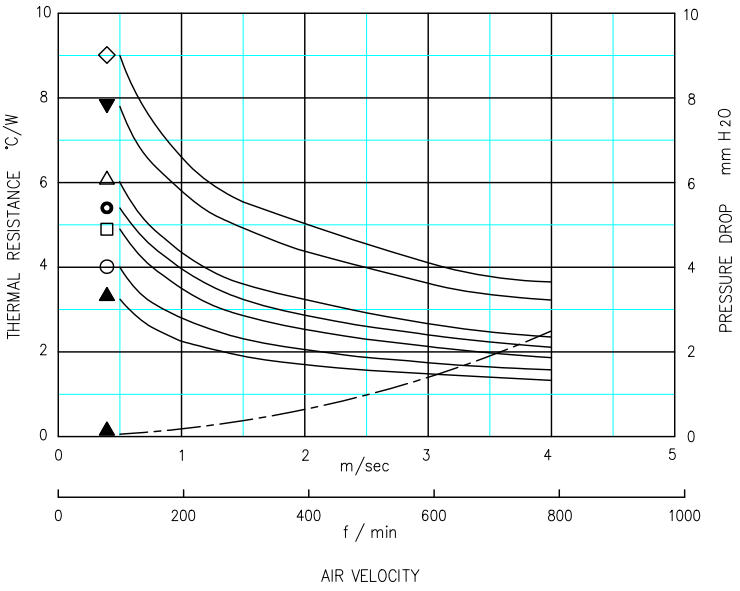



| MODEL | HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB25−6B | 6 | 4.8 |
| UB25−7B | 7 | 5.2 |
| UB25−10B | 10 | 6.4 |
| UB25−12B | 12 | 7.1 |
| UB25−15B | 15 | 8.1 |
| UB25−20B | 20 | 9.6 |
| UB25−25B | 25 | 11.2 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




◇ UB25−6B
▼ UB25−7B
△ UB25−10B
◎ UB25−12B
□ UB25−15B
○ UB25−20B
▲ UB25−25B

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

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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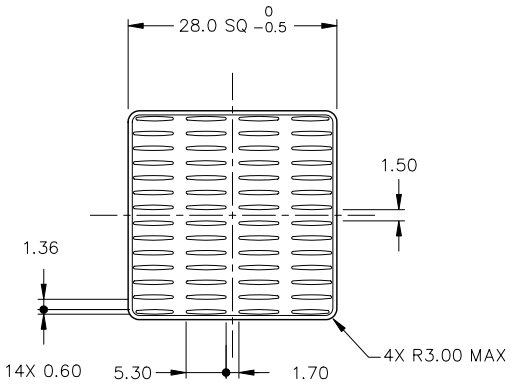
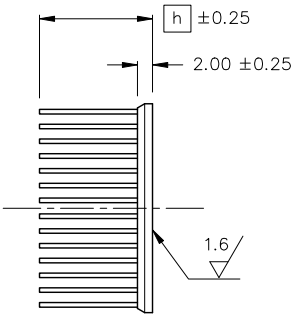
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB28

DIM

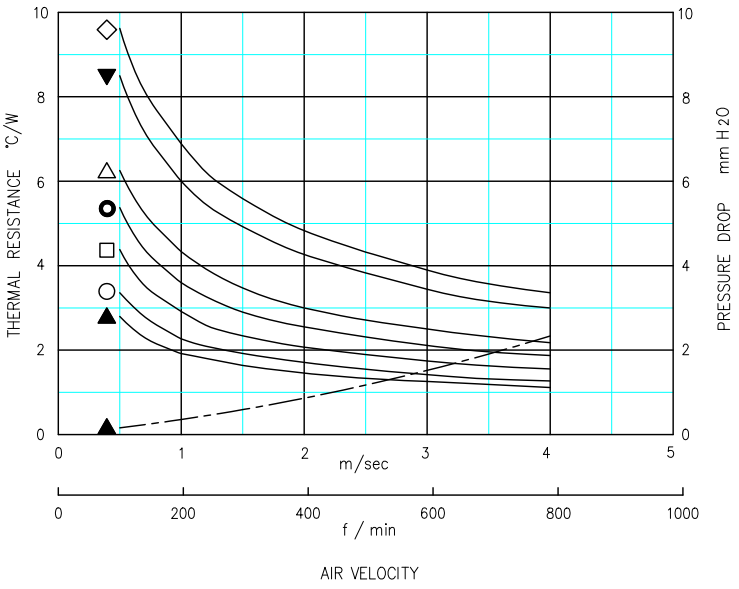



| MODEL | HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB28-6B | 6 | 5.5 |
| UB28-7B | 7 | 5.9 |
| UB28-10B | 10 | 7.1 |
| UB28-12B | 12 | 7.9 |
| UB28-15B | 15 | 9.1 |
| UB28-20B | 20 | 11.1 |
| UB28-25B | 25 | 13.1 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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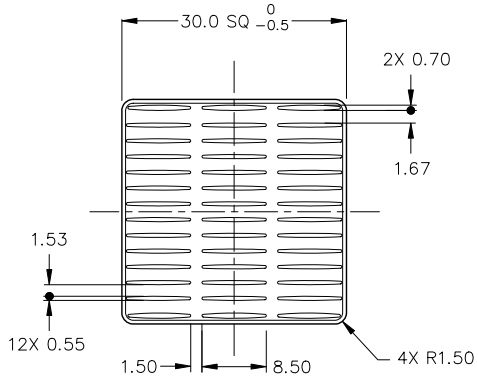
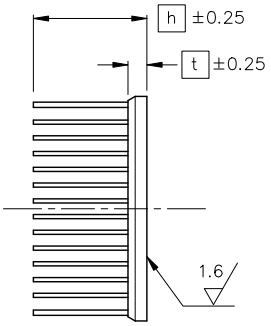
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB30

DIM

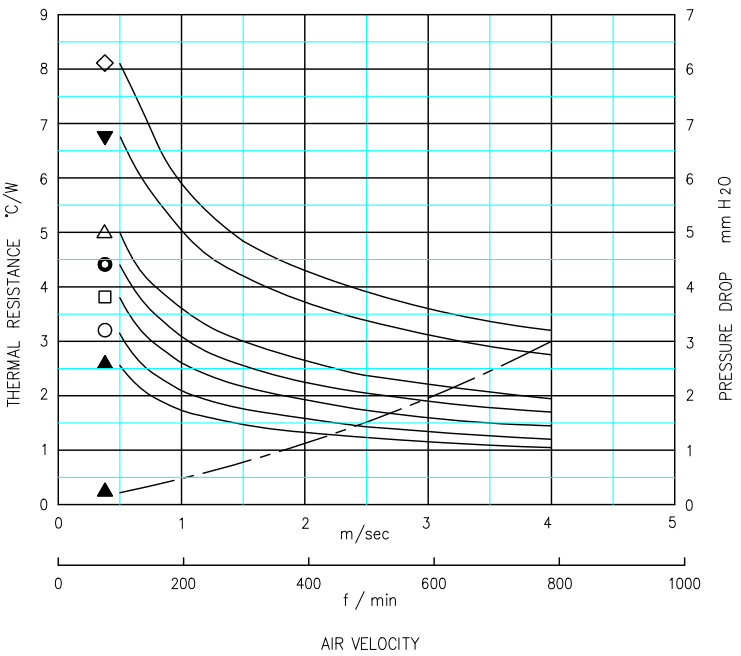



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB30-6B | 6 | 2.00 | 6.8 |
| UB30-7B | 7 | | 7.3 |
| UB30-10B | 10 | 2.50 | 9.0 |
| UB30-12B | 12 | | 10.0 |
| UB30-15B | 15 | | 11.5 |
| UB30-20B | 20 | | 14.0 |
| UB30-25B | 25 | | 16.5 |
| UB30-[h]B | [h] ≦ 7 | 2.00 | – |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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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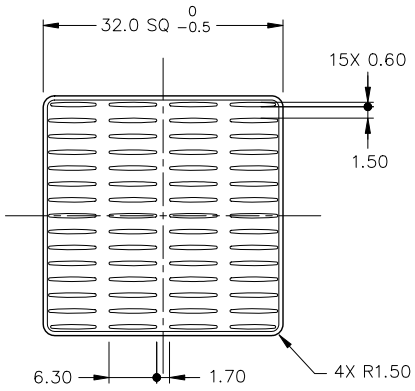
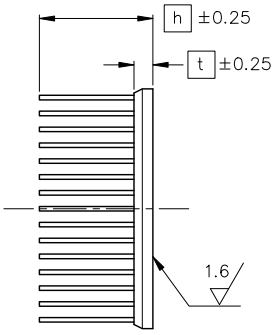
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB32

DIM

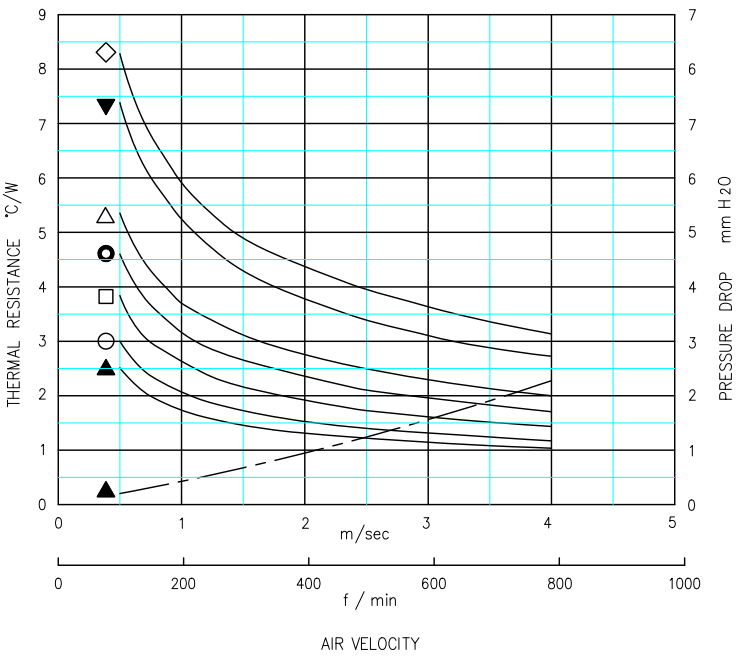



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB32-6B | 6 | 2.00 | 7.4 |
| UB32-7B | 7 | | 7.9 |
| UB32-10B | 10 | 2.50 | 10.5 |
| UB32-12B | 12 | | 11.6 |
| UB32-15B | 15 | | 13.1 |
| UB32-20B | 20 | | 15.7 |
| UB32-25B | 25 | | 18.2 |
| UB32-[h]B | [h] ≦ 7 | 2.00 | – |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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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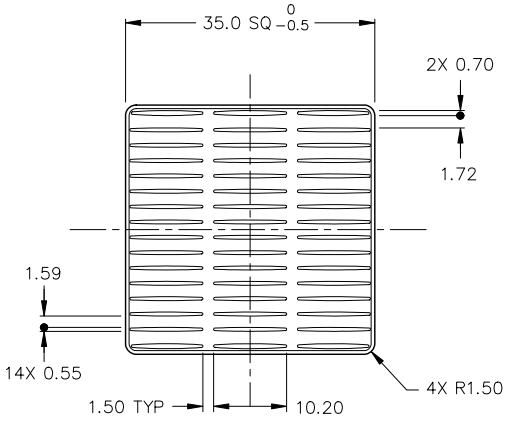
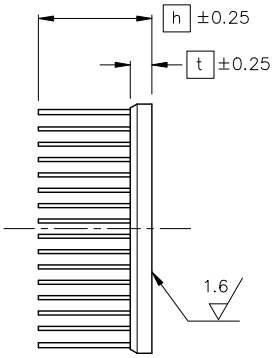
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB35

DIM

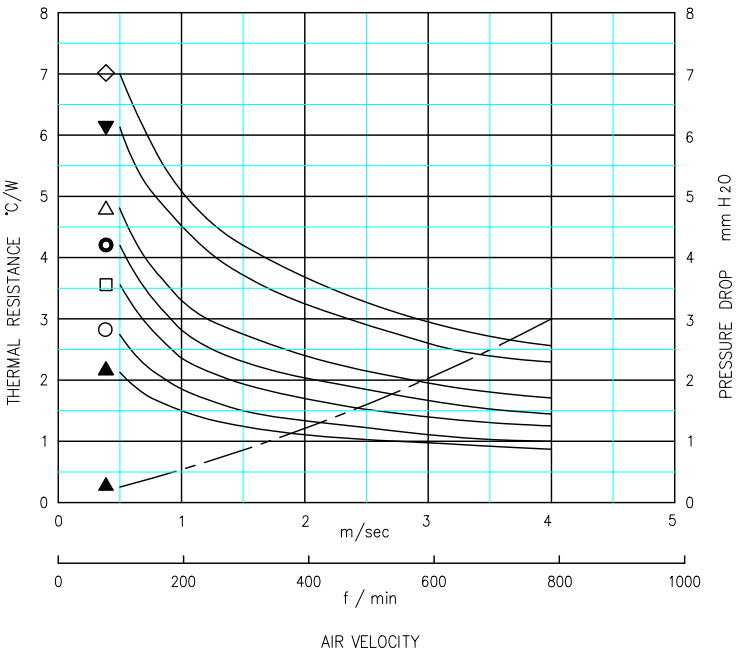



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB35-6B | 6 | 2.00 | 9.2 |
| UB35-7B | 7 | | 9.9 |
| UB35-10B | 10 | 3.00 | 13.5 |
| UB35-12B | 12 | | 14.9 |
| UB35-15B | 15 | | 17.0 |
| UB35-20B | 20 | | 20.5 |
| UB35-25B | 25 | | 24.0 |
| UB35-[h]B | [h] ≦ 7 | 2.00 | – |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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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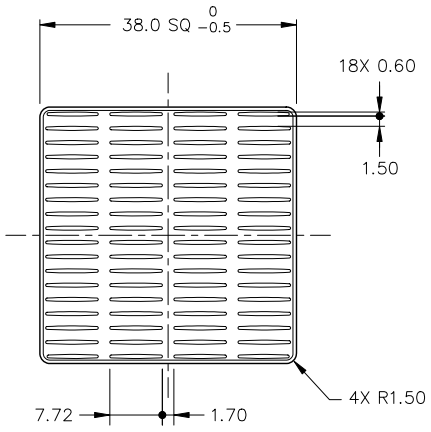
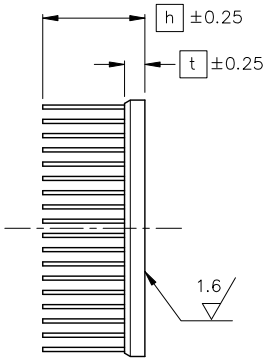
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB38

DIM

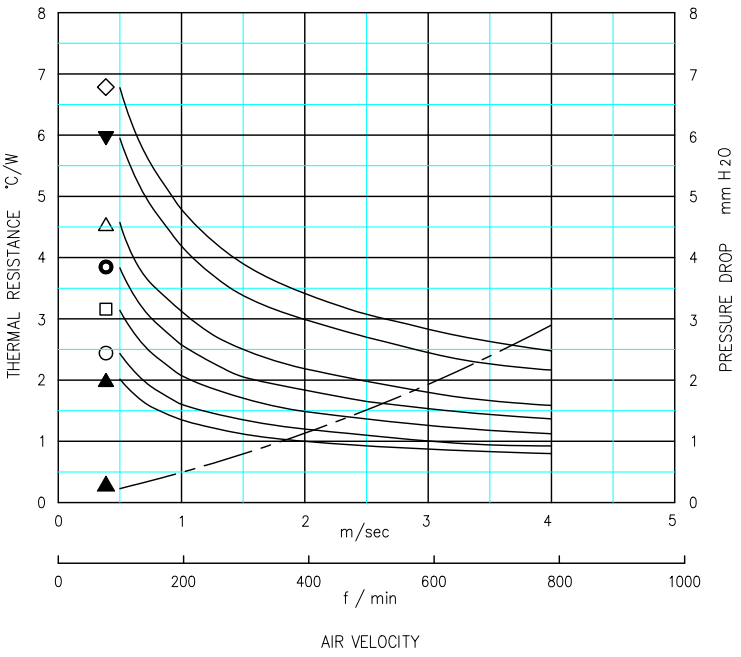



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB38-6B | 6 | 2.00 | 10.8 |
| UB38-7B | 7 | | 11.6 |
| UB38-10B | 10 | 3.00 | 17.0 |
| UB38-12B | 12 | | 18.6 |
| UB38-15B | 15 | | 20.9 |
| UB38-20B | 20 | | 24.8 |
| UB38-25B | 25 | | 28.7 |
| UB38-[h]B | [h] ≦ 7 | 2.00 | –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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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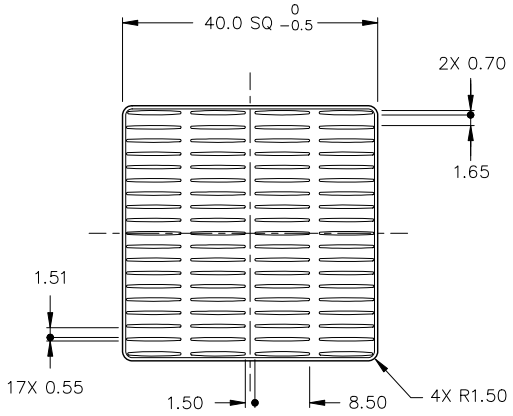
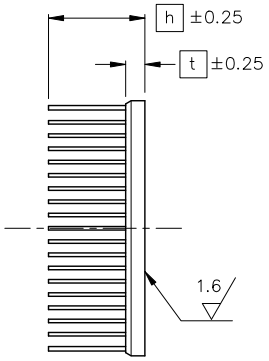
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB40

DIM

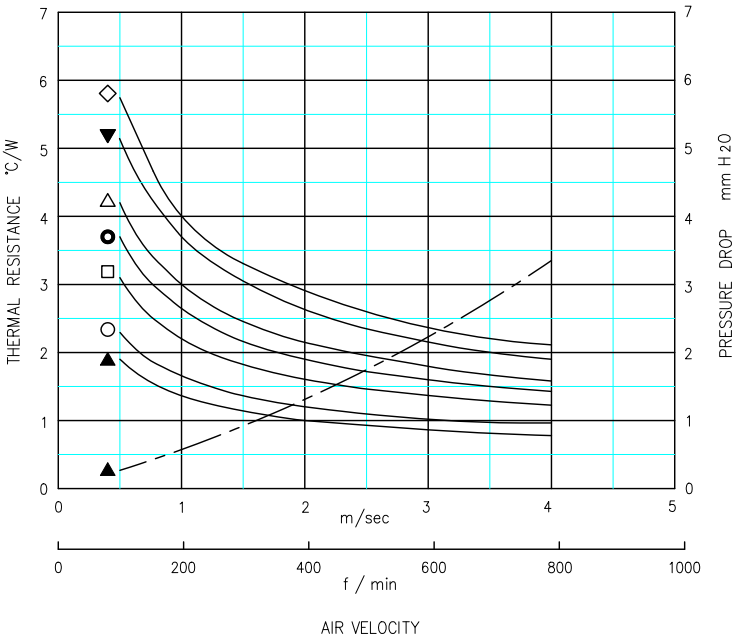



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB40−6B | 6 | 2.00 | 12.0 |
| UB40−7B | 7 | | 12.9 |
| UB40−10B | 10 | 3.00 | 17.8 |
| UB40−12B | 12 | | 19.7 |
| UB40−15B | 15 | | 22.5 |
| UB40−20B | 20 | | 27.3 |
| UB40−25B | 25 | | 32.0 |
| UB40−[h]B | [h] ≦ 7 | 2.00 | −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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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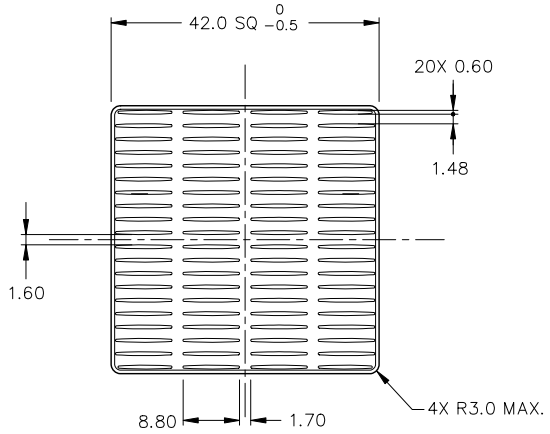
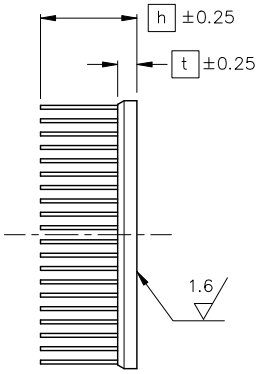
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB42

DIM

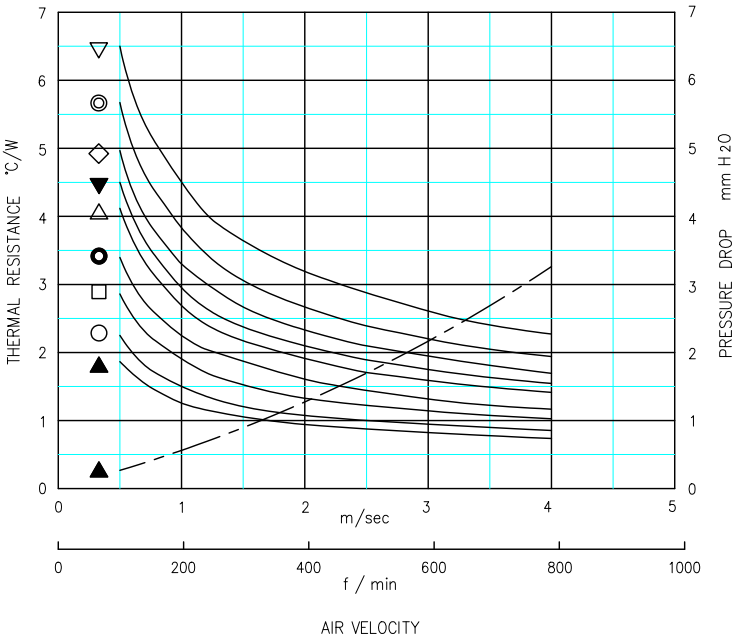



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB42-6B | 6 | 2.50 | 15.0 |
| UB42-7B | 7 | | 15.9 |
| UB42-8B | 8 | | 16.9 |
| UB42-9B | 9 | | 17.9 |
| UB42-10B | 10 | 3.00 | 20.6 |
| UB42-12B | 12 | | 22.6 |
| UB42-15B | 15 | | 25.5 |
| UB42-20B | 20 | | 30.3 |
| UB42-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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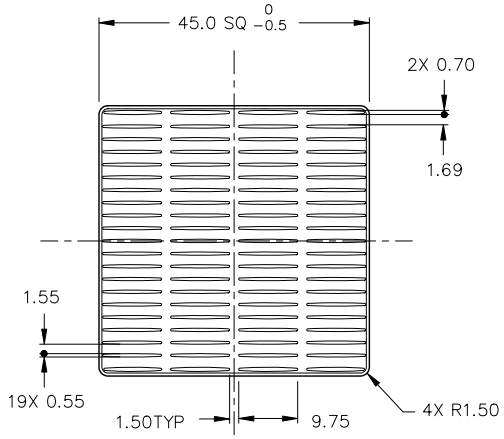
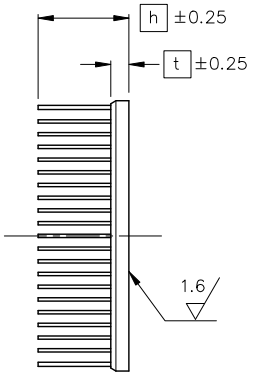
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB45

DIM

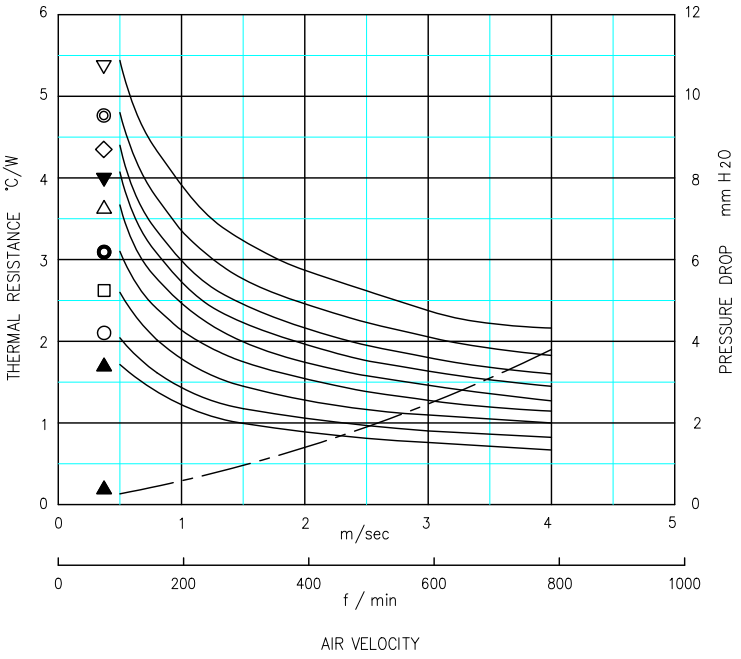



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB45-6B | 6 | 2.50 | 16.8 |
| UB45-7B | 7 | | 18.0 |
| UB45-8B | 8 | | 19.2 |
| UB45-9B | 9 | | 20.4 |
| UB45-10B | 10 | 3.00 | 21.8 |
| UB45-12B | 12 | | 24.3 |
| UB45-15B | 15 | | 28.0 |
| UB45-20B | 20 | | 34.3 |
| UB45-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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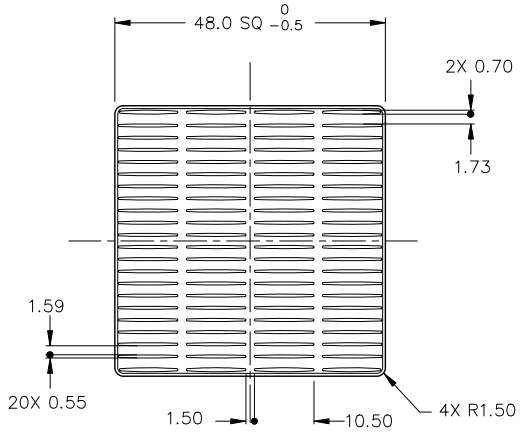
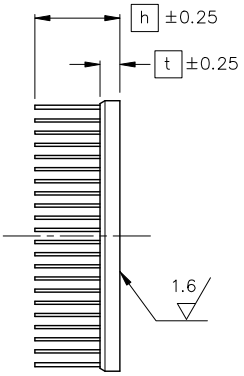
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB48

DIM

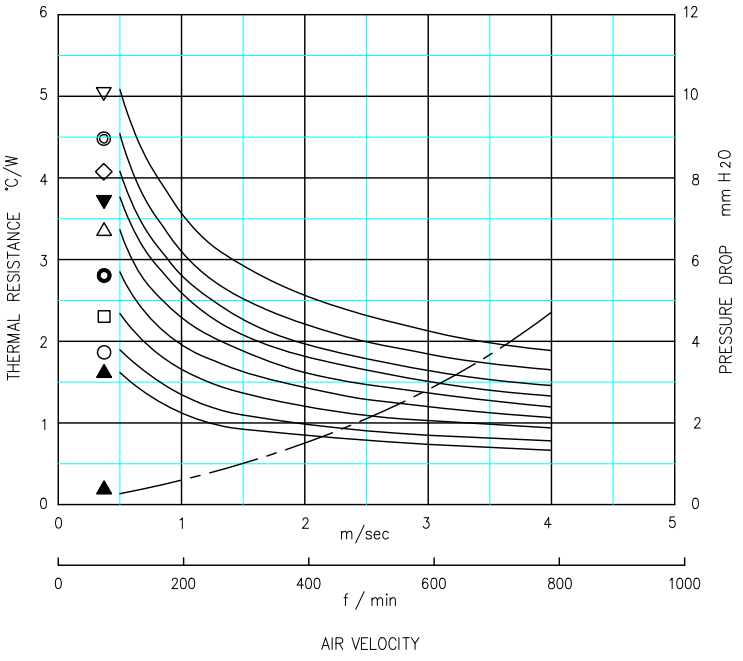



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB48-6B | 6 | 2.50 | 19.4 |
| UB48-7B | 7 | | 20.5 |
| UB48-8B | 8 | | 21.7 |
| UB48-9B | 9 | | 22.8 |
| UB48-10B | 10 | 3.50 | 28.5 |
| UB48-12B | 12 | | 31.1 |
| UB48-15B | 15 | | 35.0 |
| UB48-20B | 20 | | 41.5 |
| UB48-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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
PRESURE DROP

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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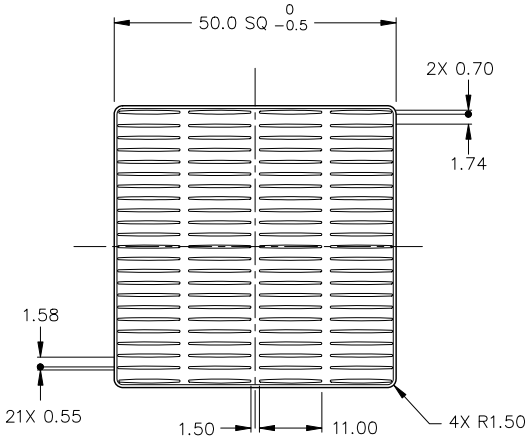
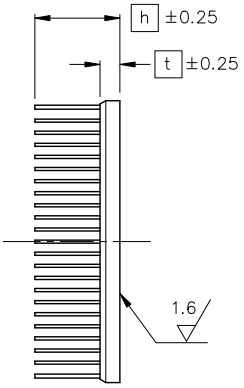
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB50

DIM

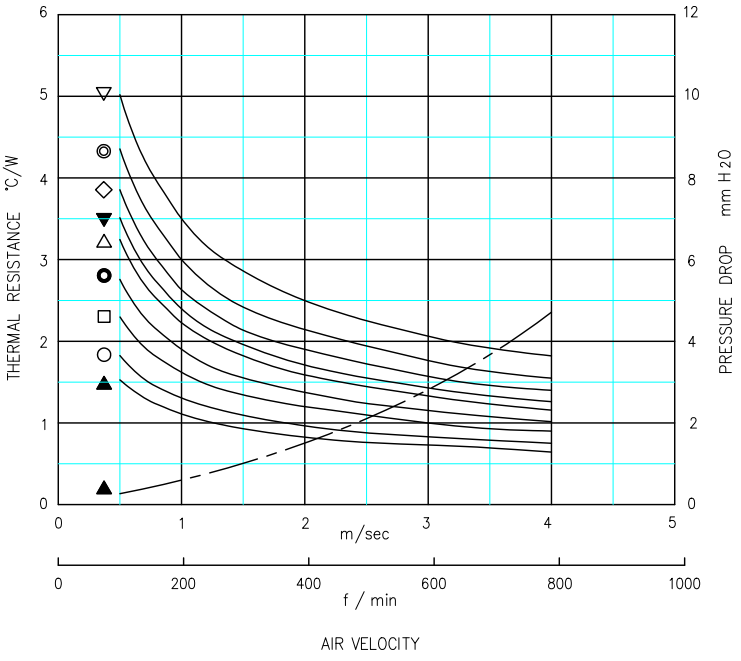



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB50-6B | 6 | 2.50 | 21.0 |
| UB50-7B | 7 | | 22.3 |
| UB50-8B | 8 | | 23.7 |
| UB50-9B | 9 | | 25.0 |
| UB50-10B | 10 | 3.50 | 30.5 |
| UB50-12B | 12 | | 34.6 |
| UB50-15B | 15 | | 38.0 |
| UB50-20B | 20 | | 45.5 |
| UB50-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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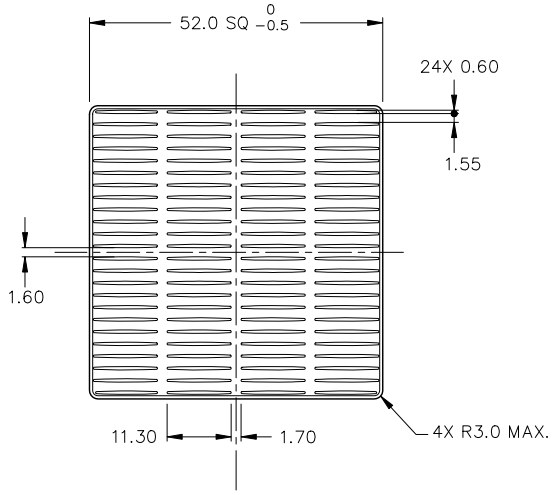
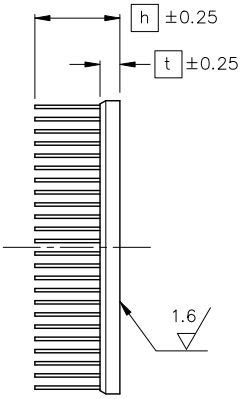
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB52

DIM

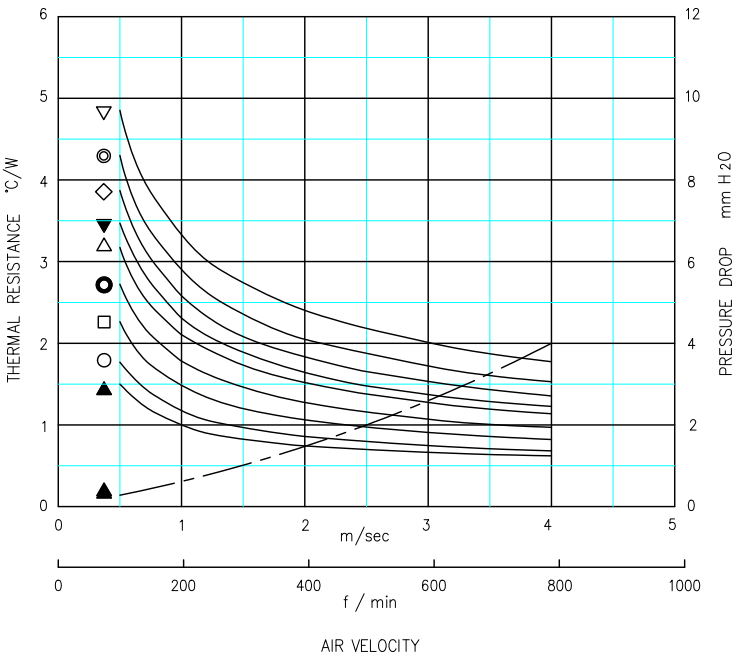



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB52-6B | 6 | 2.50 | 23.0 |
| UB52-7B | 7 | | 24.5 |
| UB52-8B | 8 | | 26.0 |
| UB52-9B | 9 | | 27.5 |
| UB52-10B | 10 | 3.50 | 35.0 |
| UB52-12B | 12 | | 37.7 |
| UB52-15B | 15 | | 42.2 |
| UB52-20B | 20 | | 49.7 |
| UB52-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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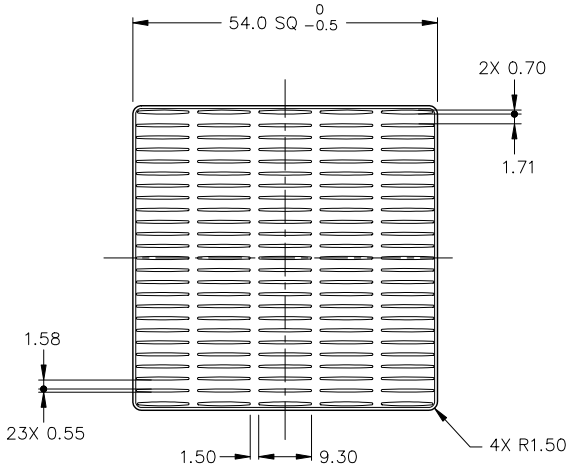
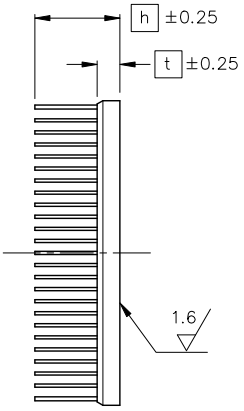
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB54

DIM

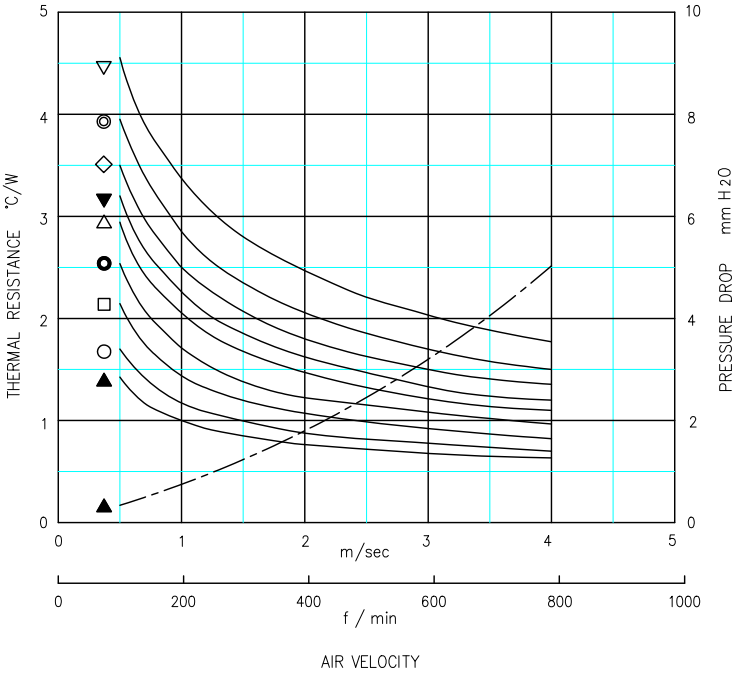



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB54-6B | 6 | 3.00 | 28.1 |
| UB54-7B | 7 | | 29.6 |
| UB54-8B | 8 | | 31.0 |
| UB54-9B | 9 | | 32.4 |
| UB54-10B | 10 | 4.00 | 39.3 |
| UB54-12B | 12 | | 42.6 |
| UB54-15B | 15 | | 47.5 |
| UB54-20B | 20 | | 55.8 |
| UB54-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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
PRESURE DROP

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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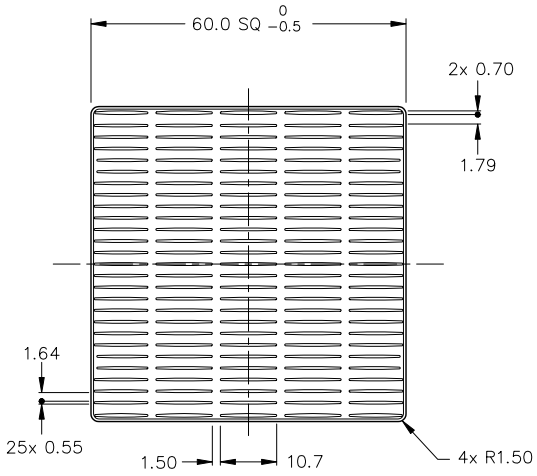
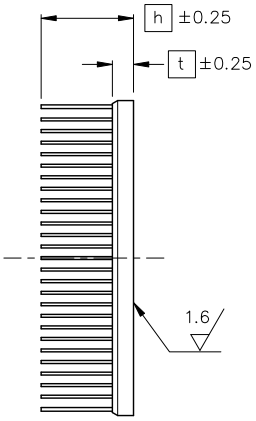
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB60

DIM

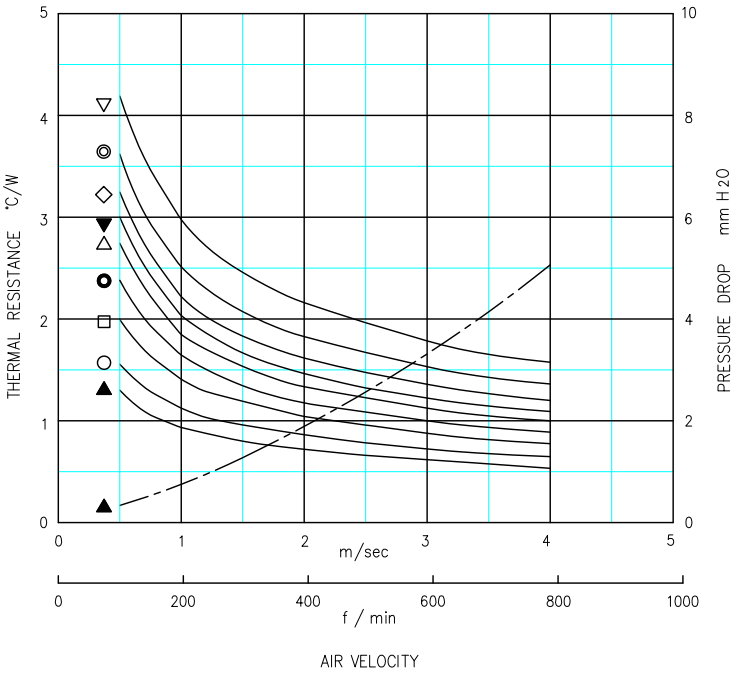



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB60-6B | 6 | 3.00 | 35.5 |
| UB60-7B | 7 | | 37.3 |
| UB60-8B | 8 | | 39.2 |
| UB60-9B | 9 | | 41.0 |
| UB60-10B | 10 | 4.00 | 49.5 |
| UB60-12B | 12 | | 52.9 |
| UB60-15B | 15 | | 58.0 |
| UB60-20B | 20 | | 66.5 |
| UB60-25B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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.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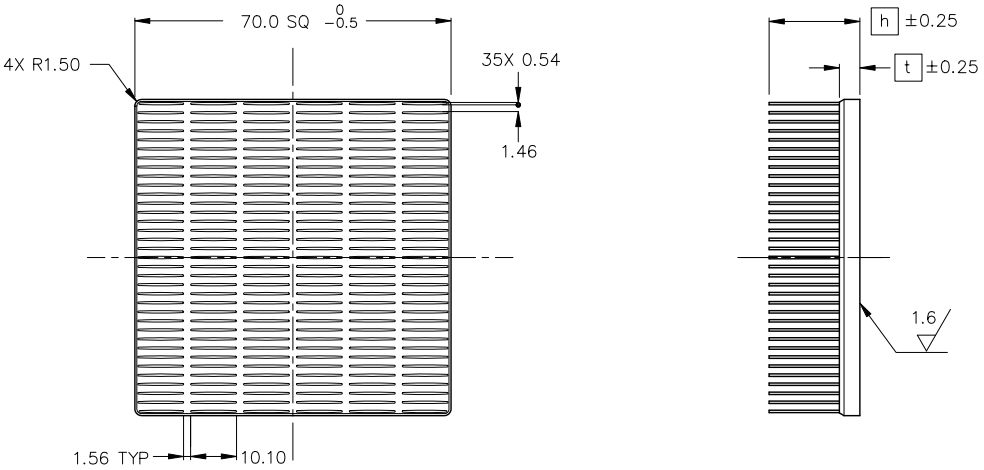
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB70

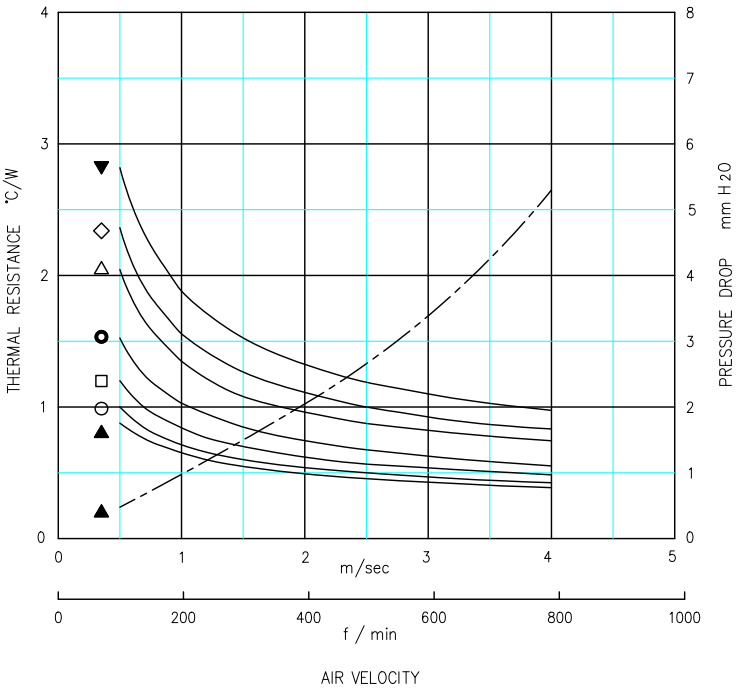
DIM




| 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 | 4.50 | 86.9 |
| UB70−20B | 20 | | 100.4 |
| UB70−25B | 25 | | 113.9 |
| UB70−30B | 30 | | 127.5 |
| UB70−[h]B | [h] ≦ 12 | 3.00 | − |
| | 12 < [h] ≦ 30 | 4.50 | − |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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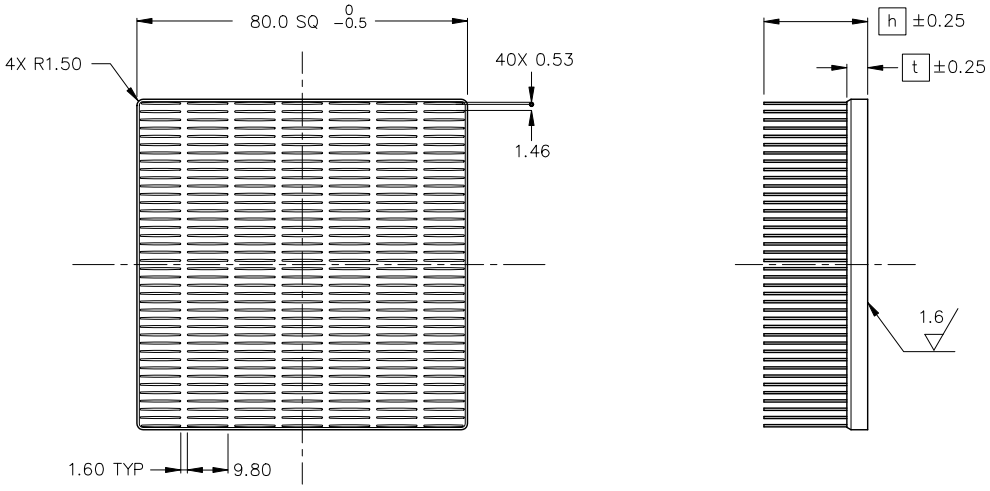
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB80

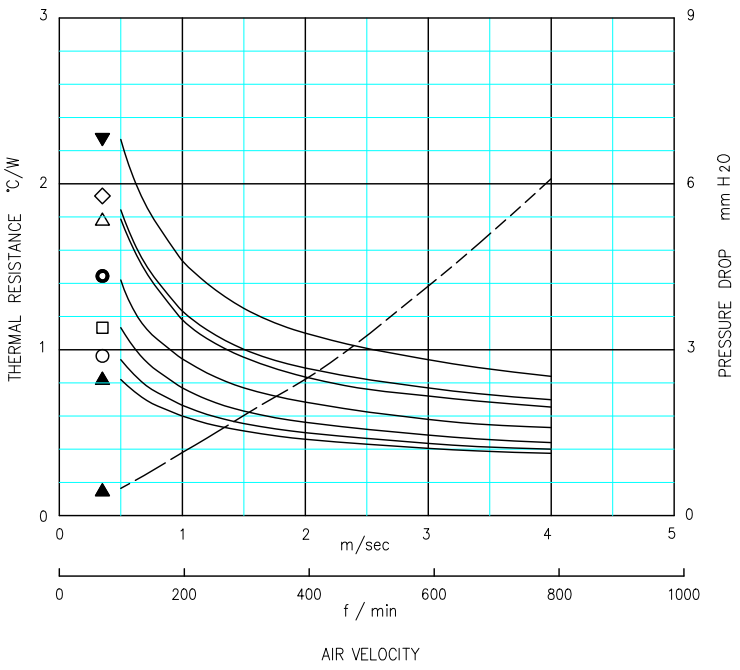
DIM




| 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 | – |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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.
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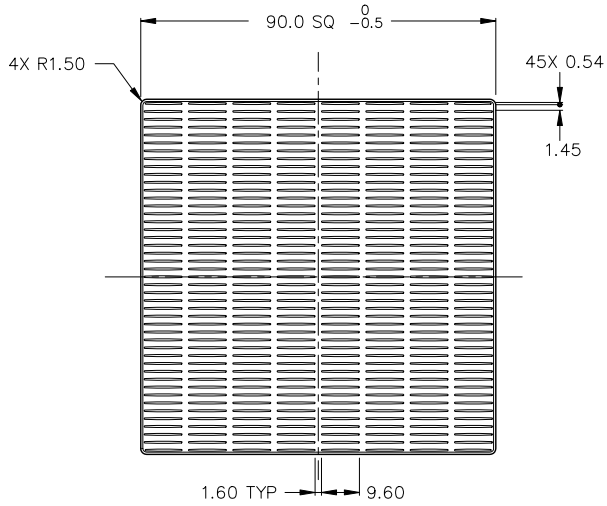
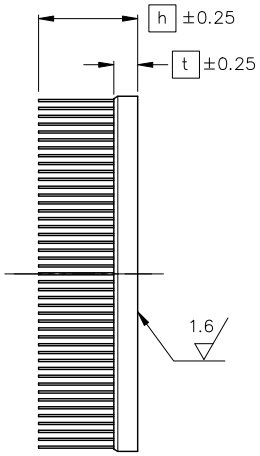
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB90

DIM

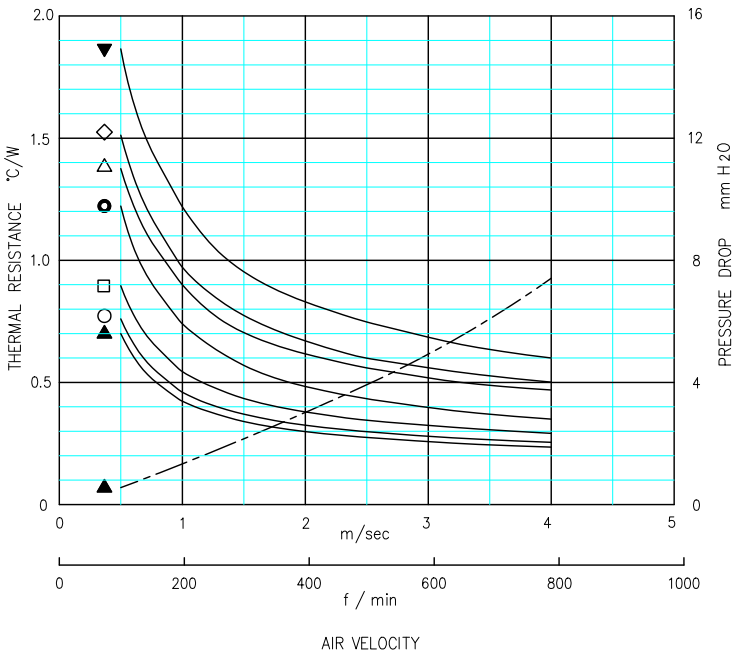



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB90-8B | 8 | 4.00 | 104 |
| UB90-10B | 10 | | 113 |
| UB90-12B | 12 | | 122 |
| UB90-15B | 15 | 6.00 | 169 |
| UB90-20B | 20 | | 191 |
| UB90-25B | 25 | | 213 |
| UB90-30B | 30 | | 235 |
| UB90-[h]B | [h] ≦ 12 | 4.00 | – |
|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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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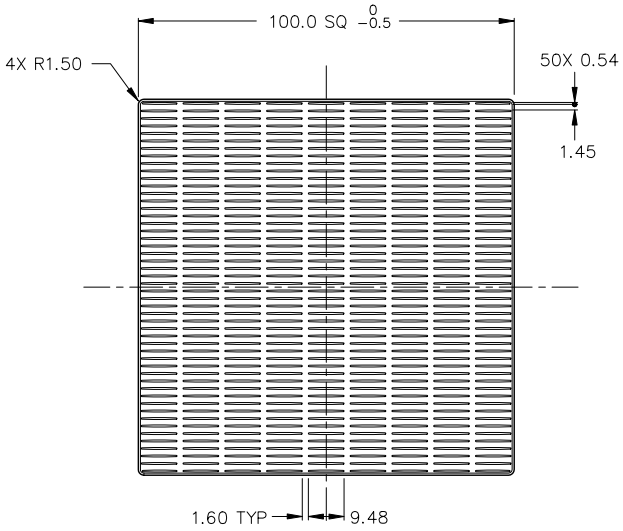
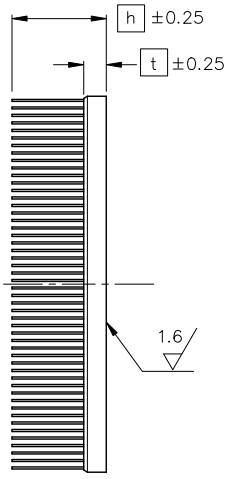
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB100

DIM

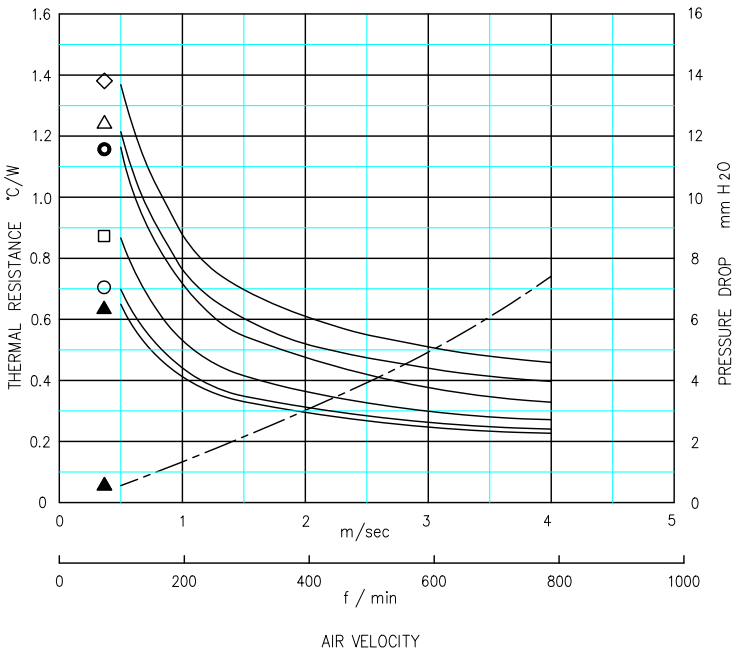



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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




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

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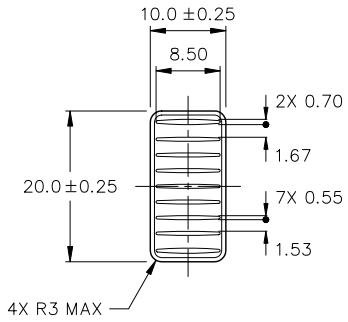
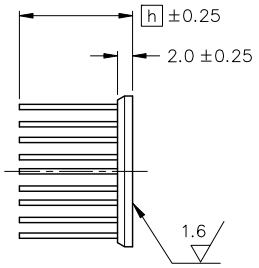
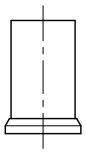
ALPHA

# Low Pressure Drop and Low Thermal Resistance Heat Sink UB2010

DIM



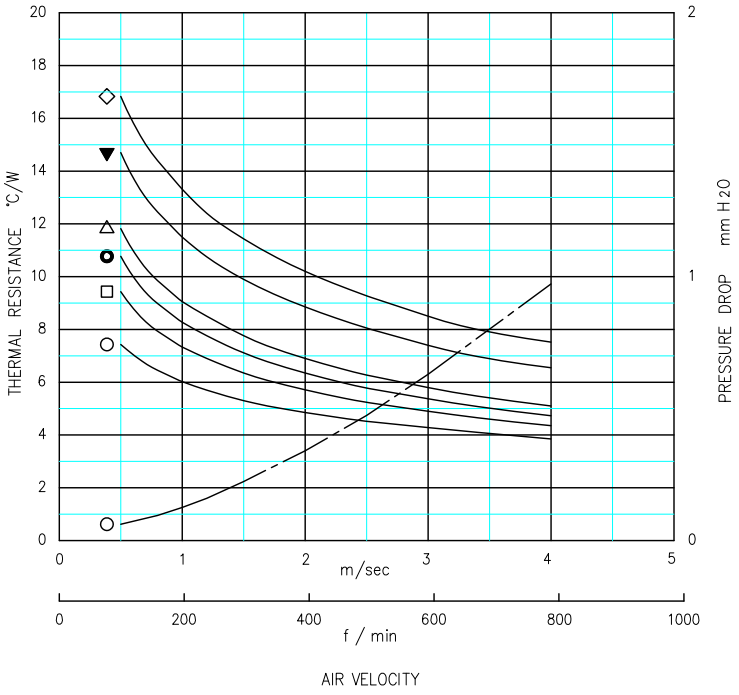



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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





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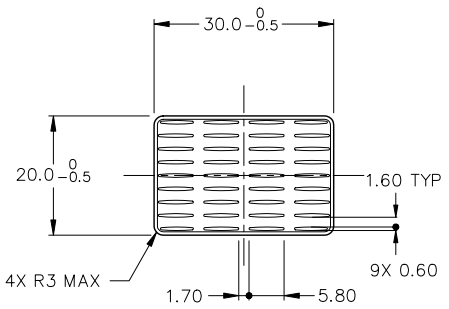
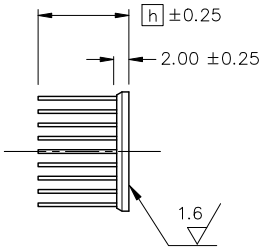
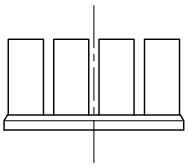
ALPHA

# Low Pressure Drop and Low Thermal Resistance Heat Sink UB2030

DIM



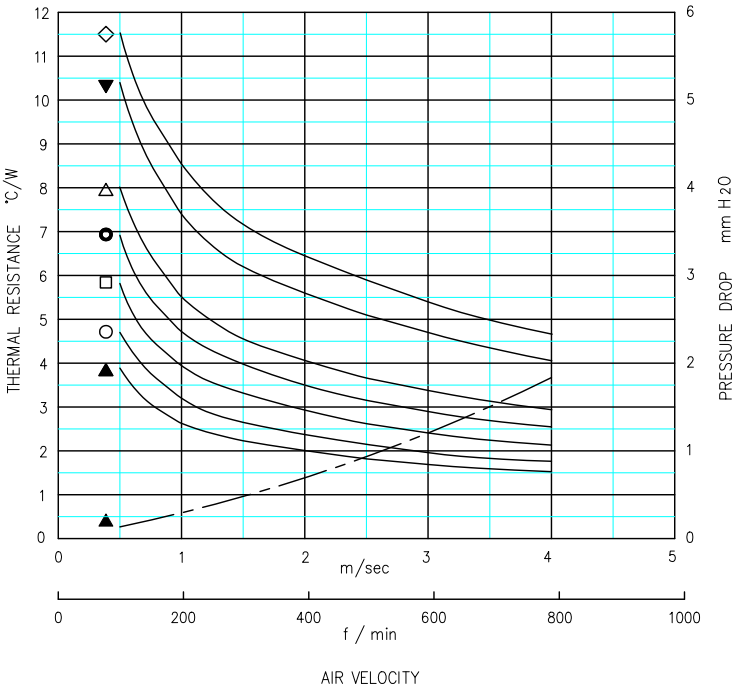



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——
PRESURE DROP — - —

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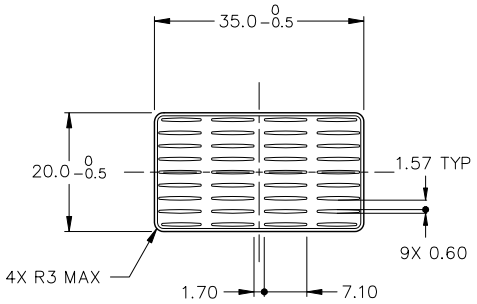
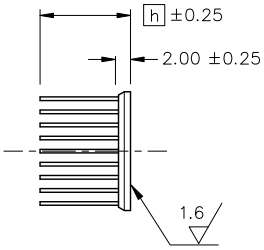
ALPHA

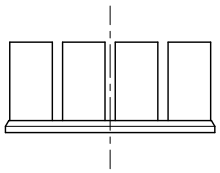
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB2035

DIM



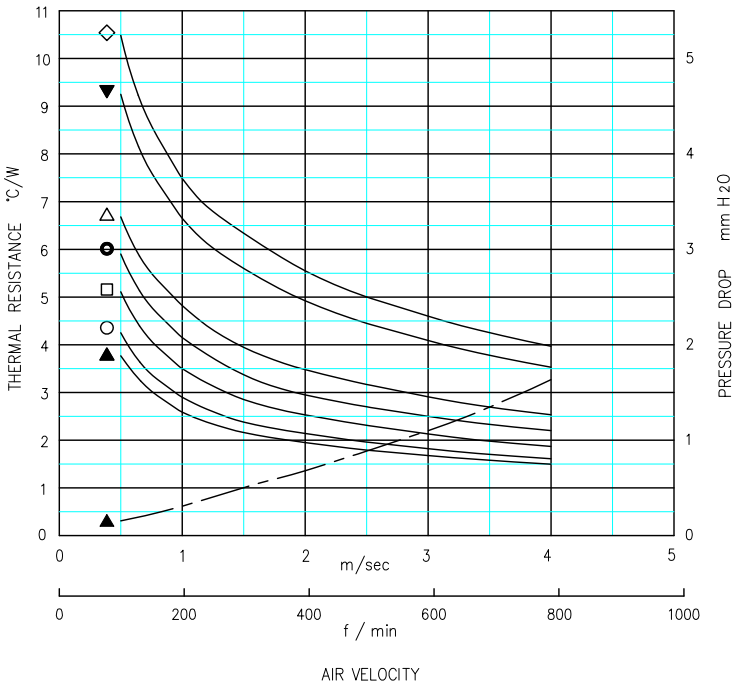



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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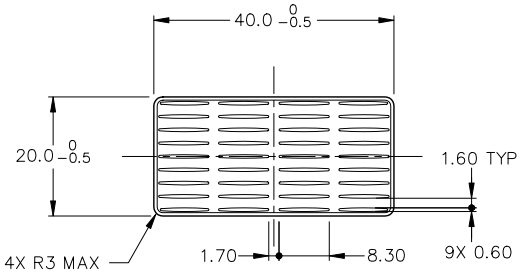
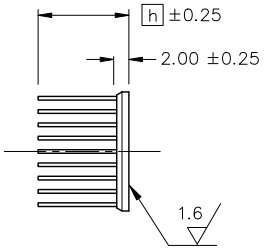
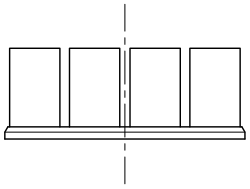
# Low Pressure Drop and Low Thermal Resistance Heat Sink UB2040

DIM



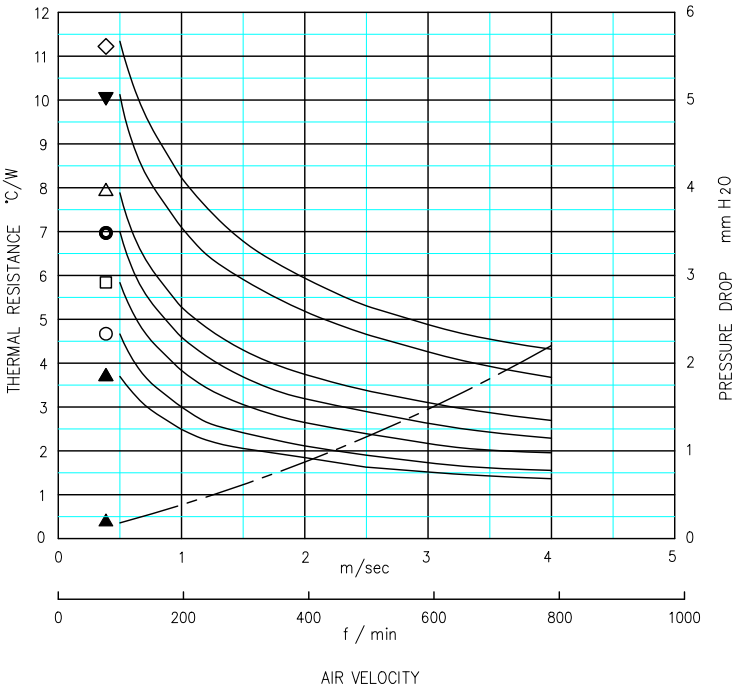



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——
PRESURE DROP — - —

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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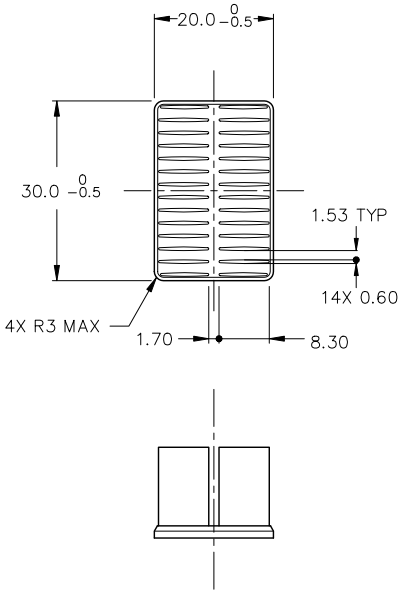
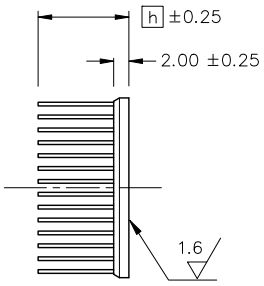
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB3020

DIM

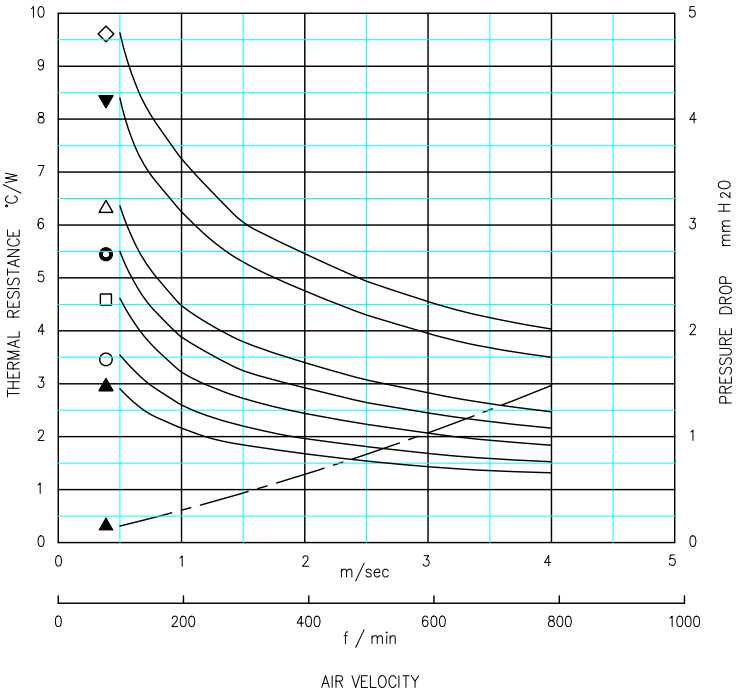



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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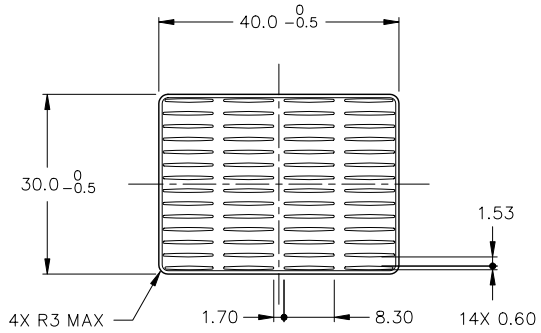
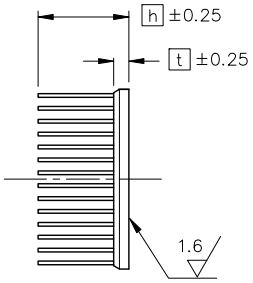
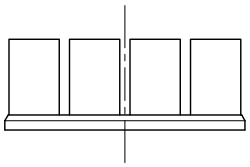
# Low Pressure Drop and Low Thermal Resistance Heat Sink UB3040

DIM



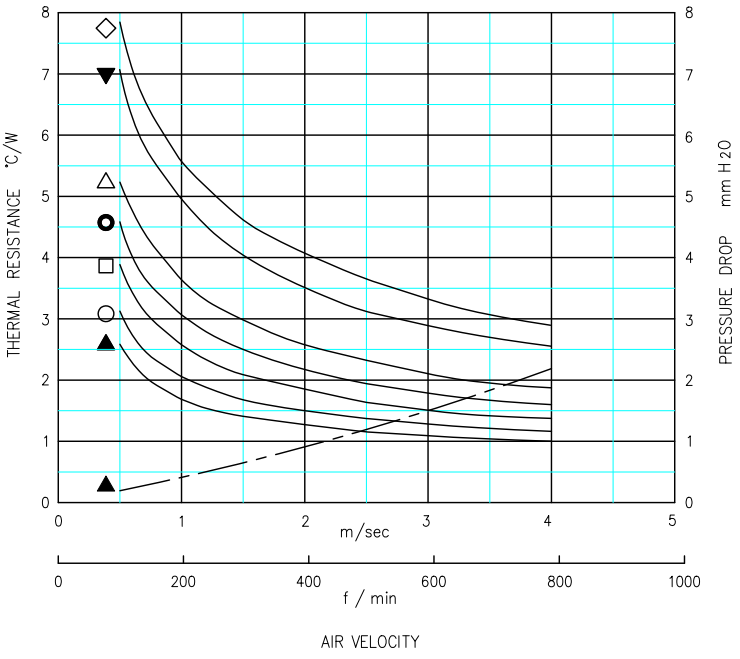



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB3040-6B | 6 | 2.00 | 8.8 |
| UB3040-7B | 7 | | 9.4 |
| UB3040-10B | 10 | 2.50 | 12.6 |
| UB3040-12B | 12 | | 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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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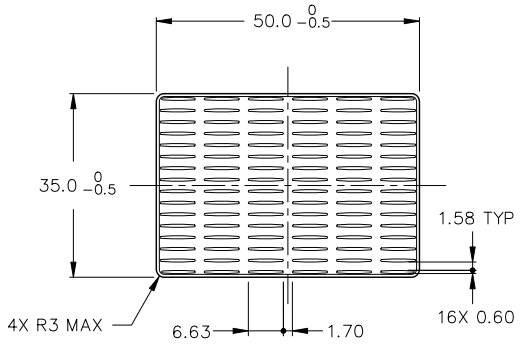
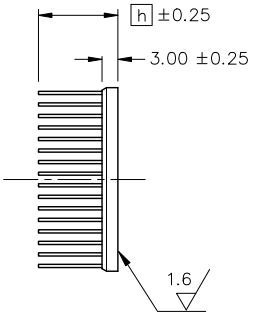
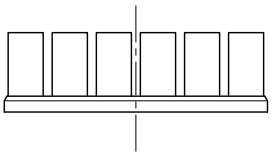
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB3550

DIM



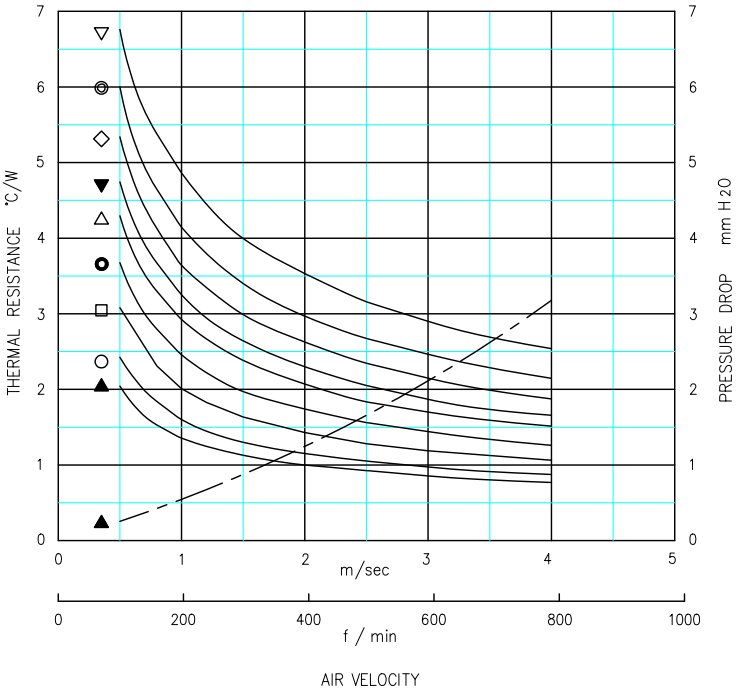



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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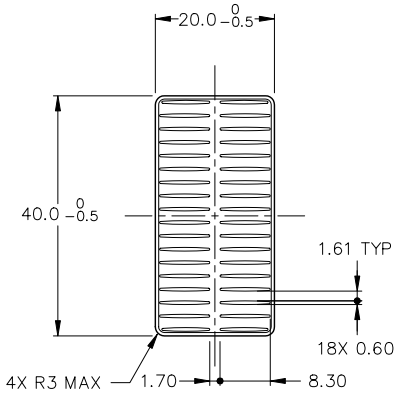
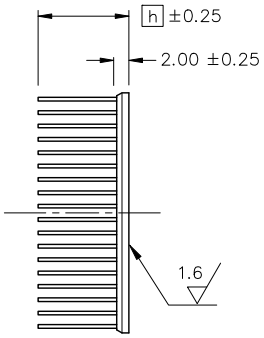
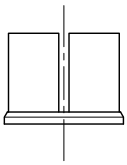
# Low Pressure Drop and Low Thermal Resistance Heat Sink UB4020

DIM



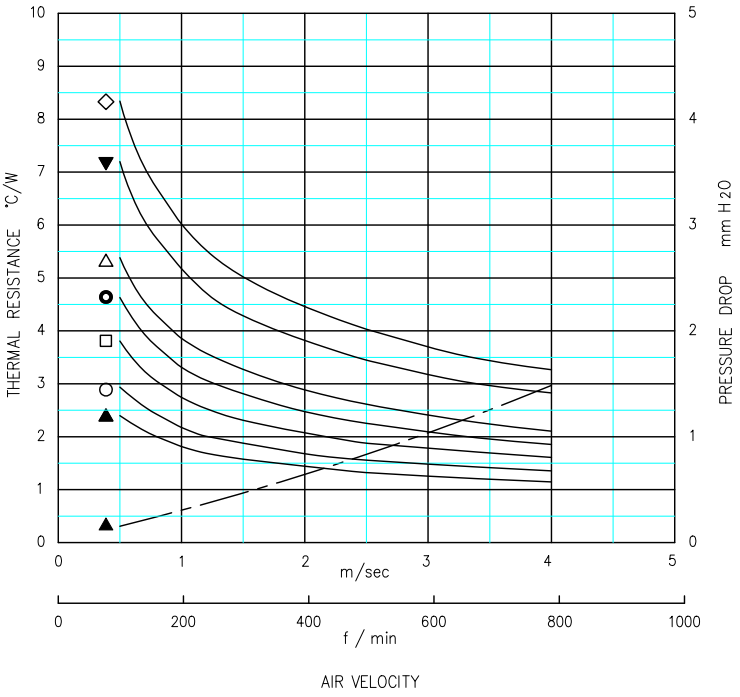



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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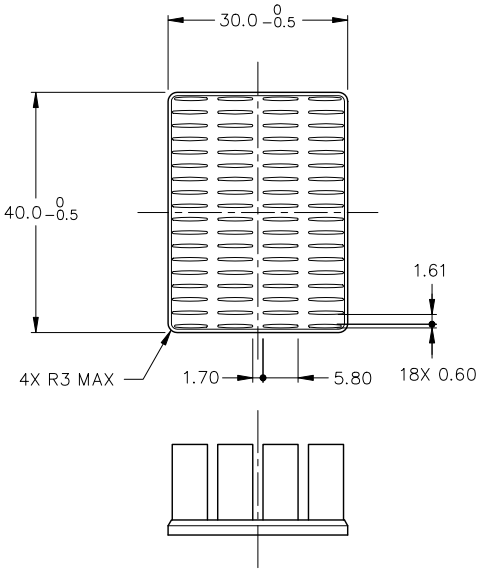
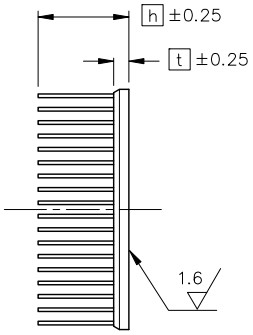
# Low Pressure Drop and Low Thermal Resistance Heat Sink UB4030

DIM

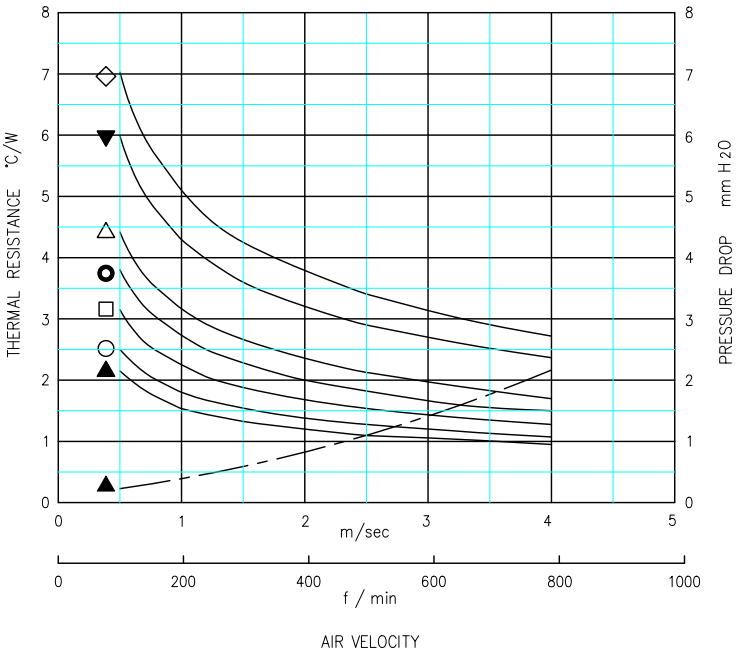



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB4030-6B | 6 | 2.00 | 8.5 |
| UB4030-7B | 7 | | 9.1 |
| UB4030-10B | 10 | 2.50 | 12.1 |
| UB4030-12B | 12 | | 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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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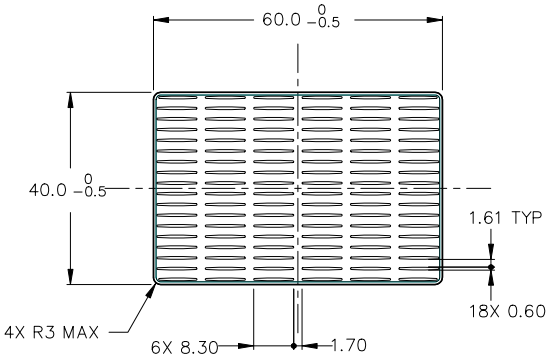
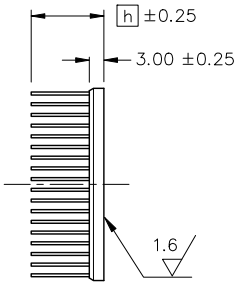
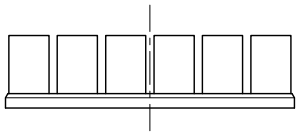
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB4060

DIM



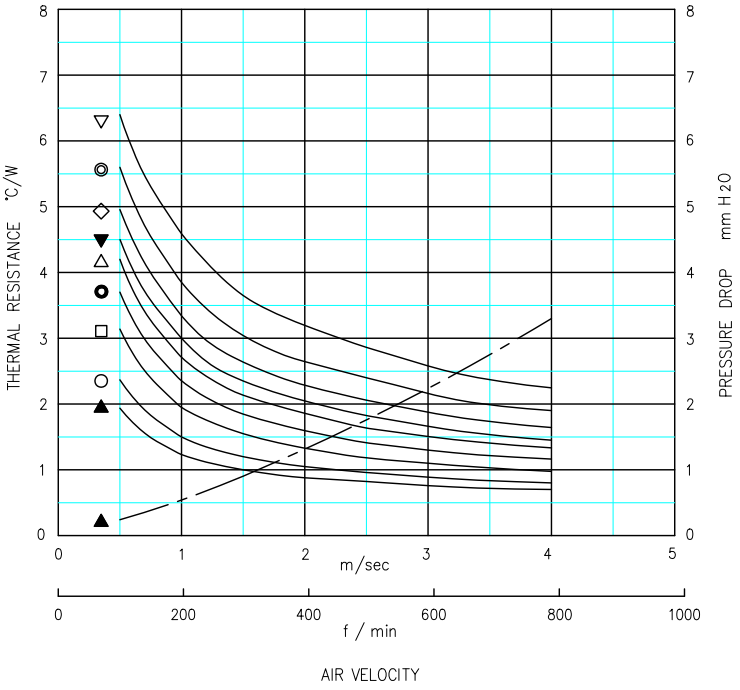



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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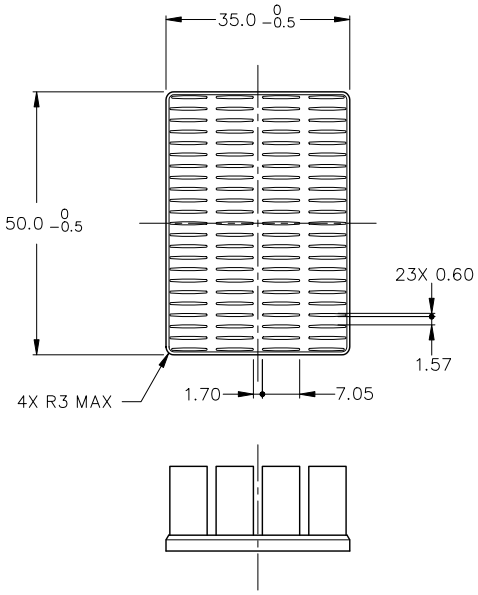
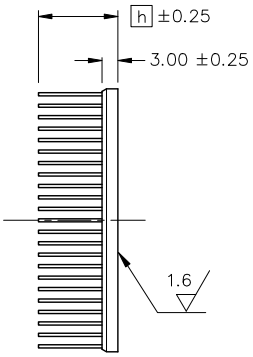
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB5035

DIM

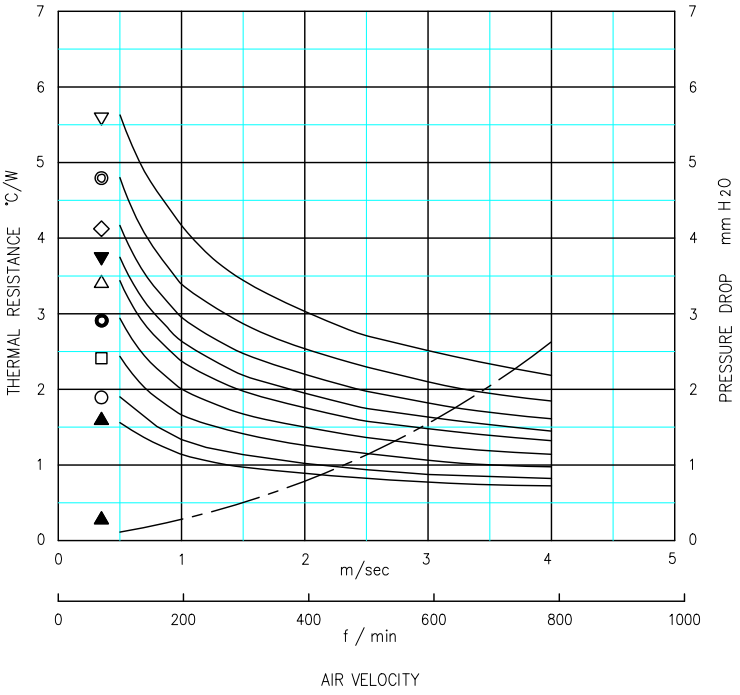



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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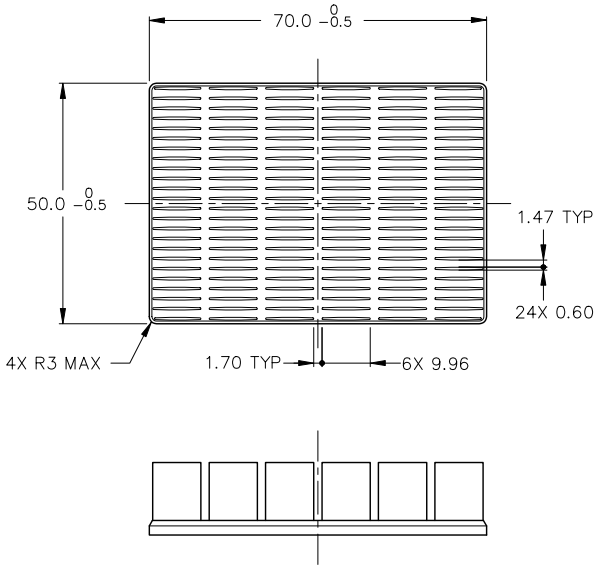
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB5070

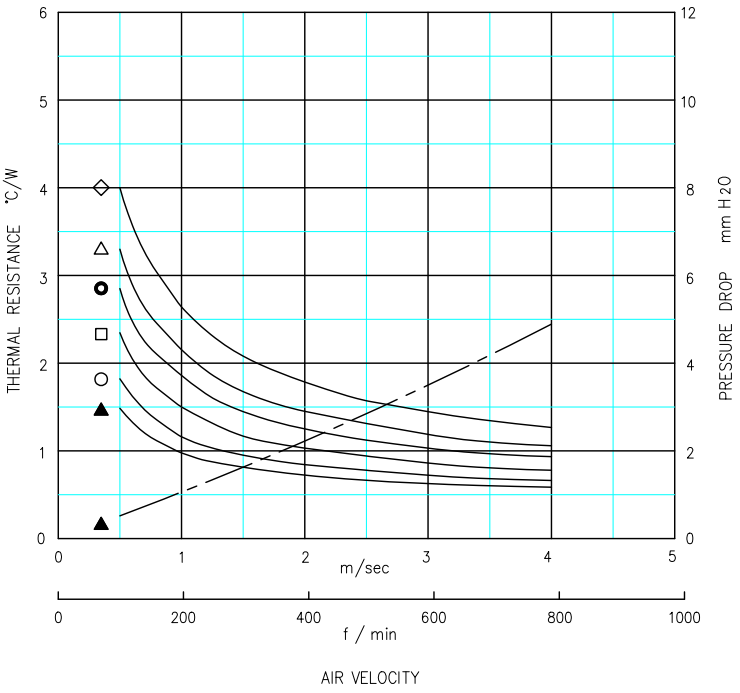
DIM




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 ——
PRESURE DROP — - —

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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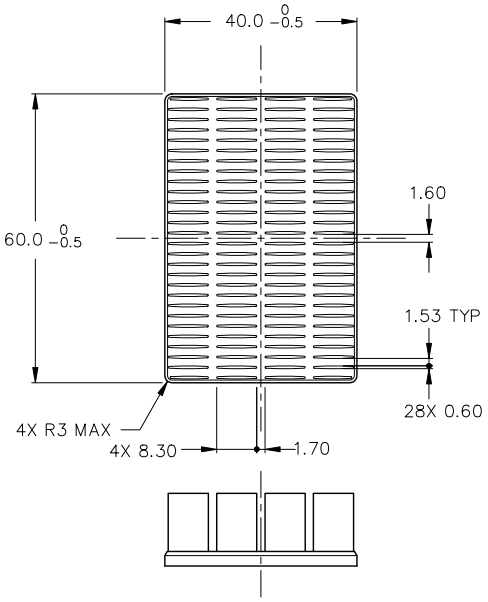
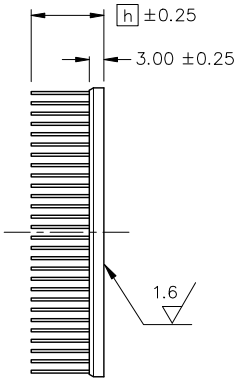
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB6040

DIM

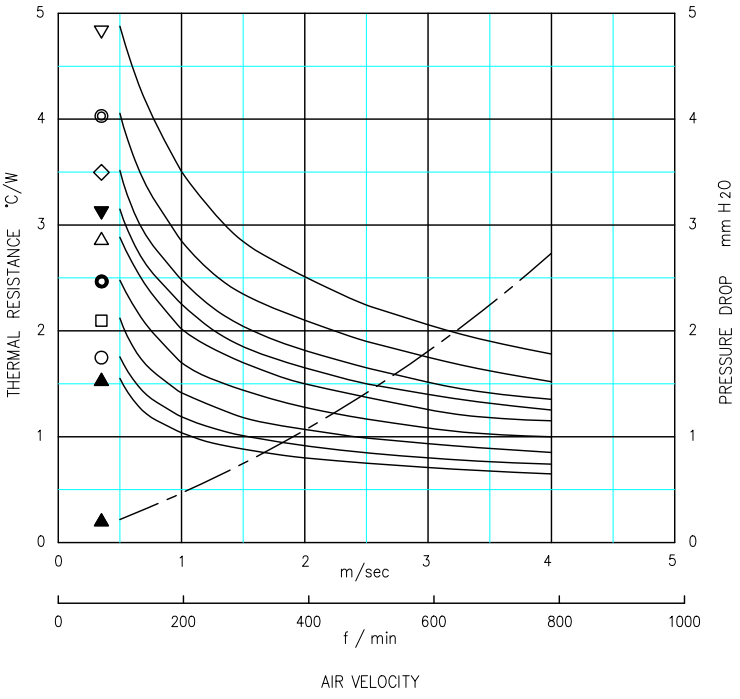



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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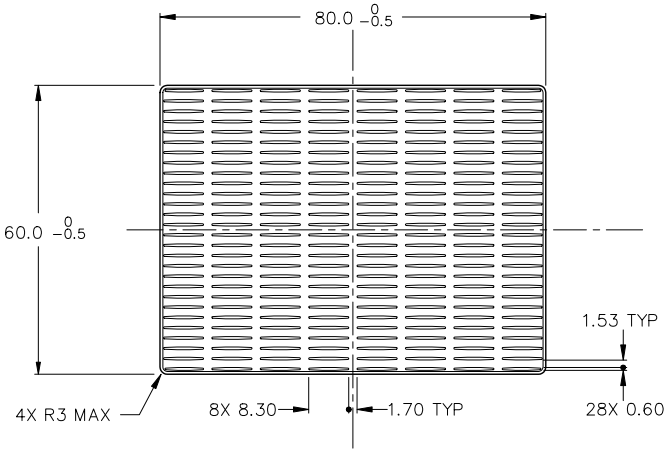
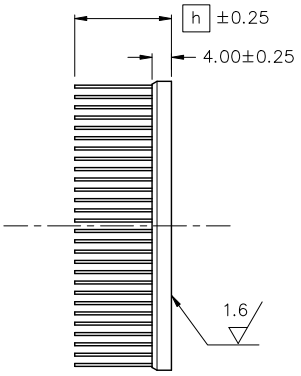
# Low Pressure Drop and Low Thermal Resistance Heat Sink UB6080

DIM

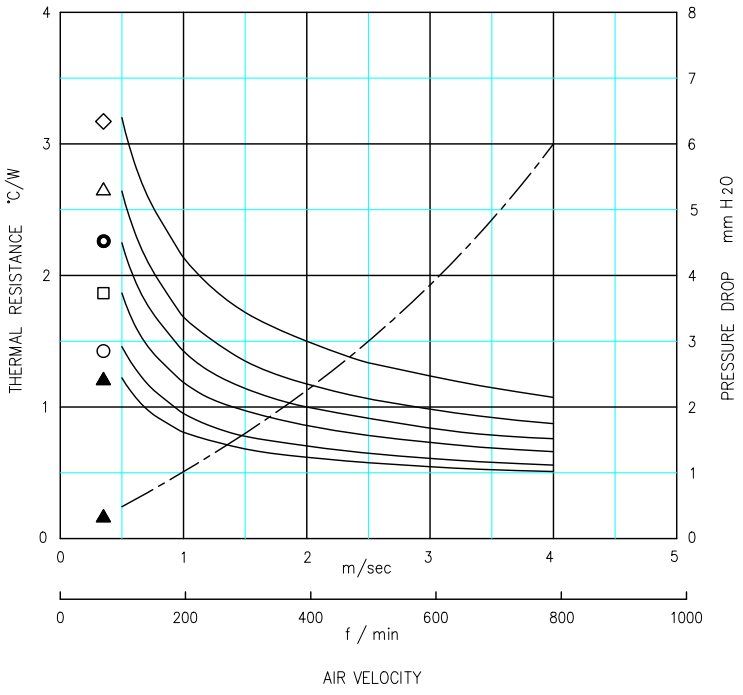



| MODEL | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB6080-8B | 8 | 61.6 |
| UB6080-10B | 10 | 66.7 |
| UB6080-12B | 12 | 71.9 |
| UB6080-15B | 15 | 79.5 |
| UB6080-20B | 20 | 92.3 |
| UB6080-25B | 25 | 105.1 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




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

● 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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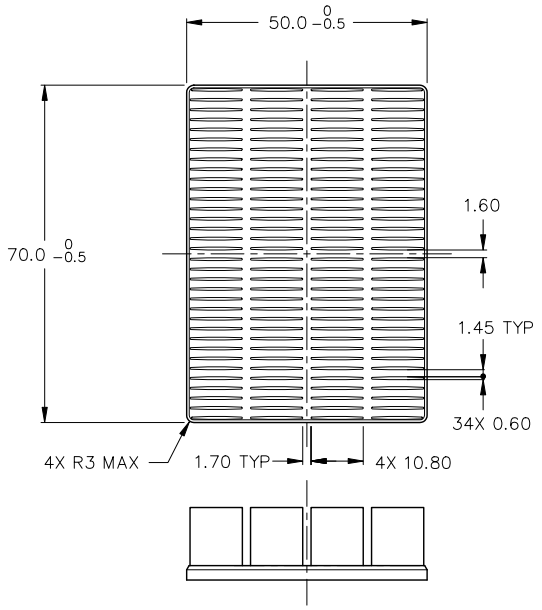
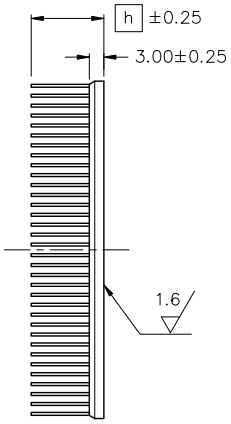
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB7050

DIM

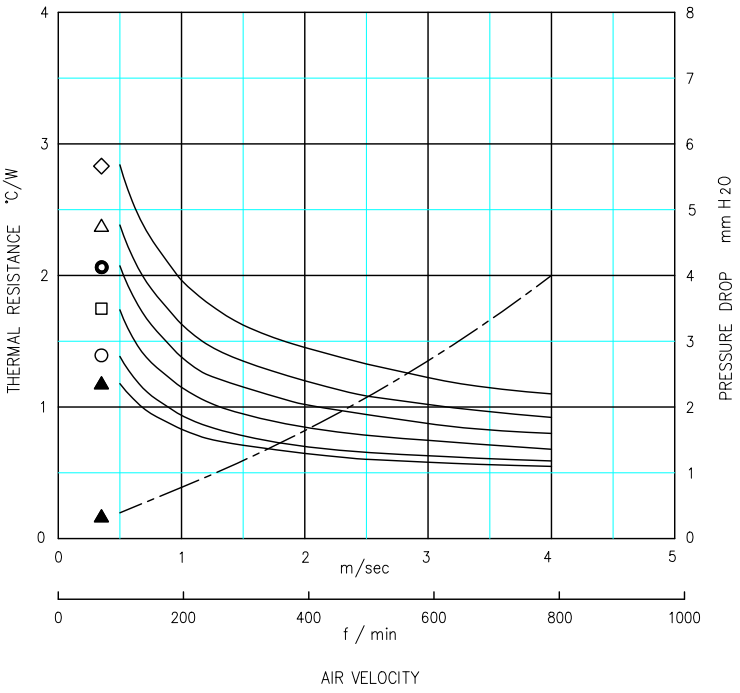



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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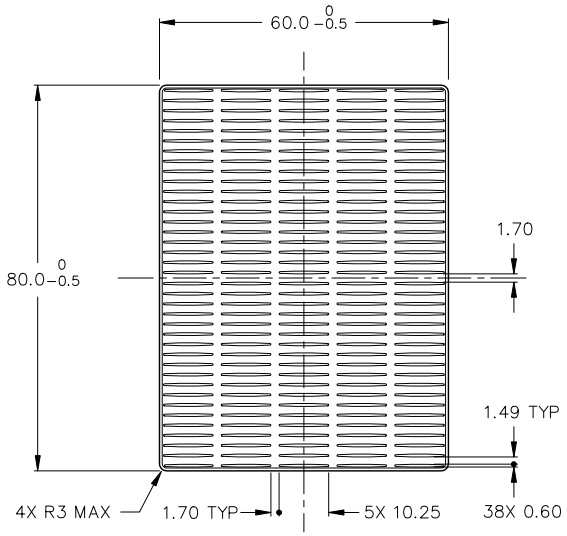
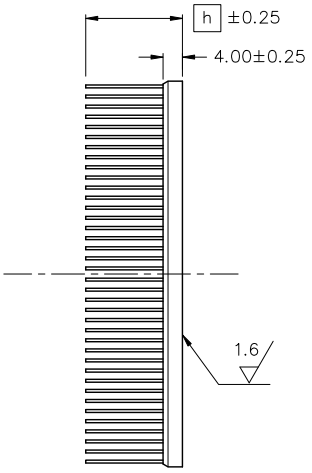
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB8060

DIM

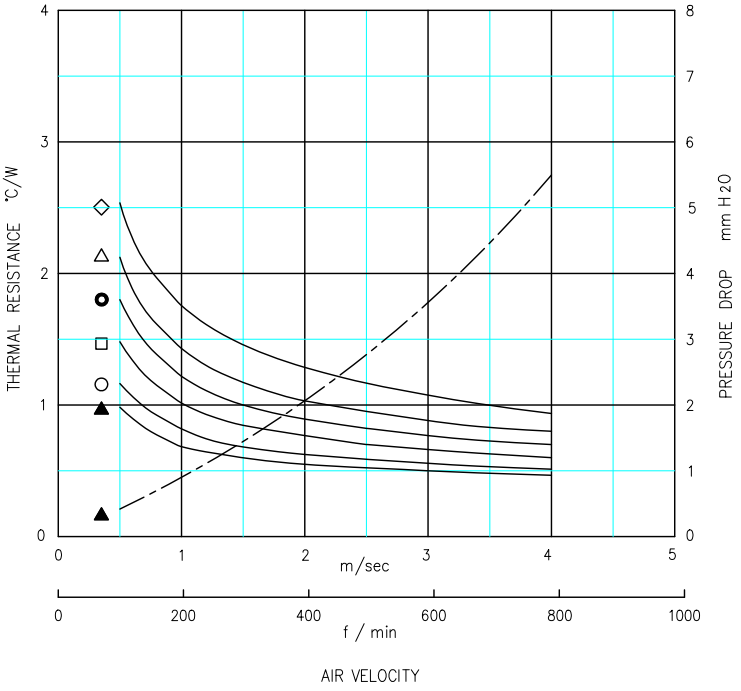



| MODEL | HEATSINK HEIGHT [h] | WEIGHT (grams) |
|---|---|---|
| UB8060-8B | 8 | 62.2 |
| UB8060-10B | 10 | 67.5 |
| UB8060-12B | 12 | 72.9 |
| UB8060-15B | 15 | 81.0 |
| UB8060-20B | 20 | 94.4 |
| UB8060-25B | 25 | 107.9 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




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

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

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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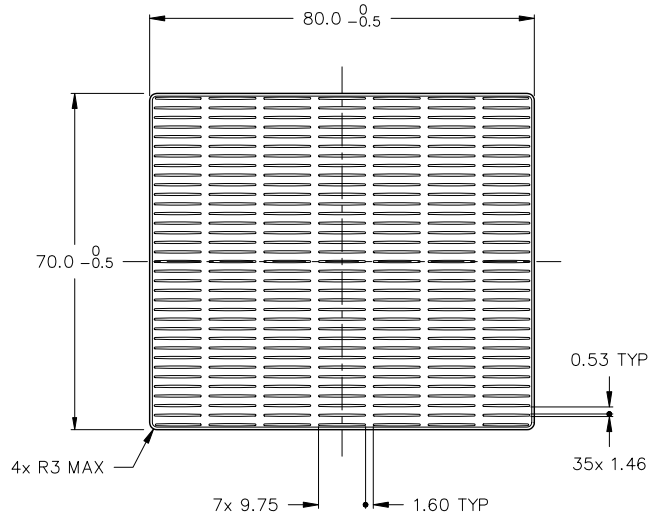
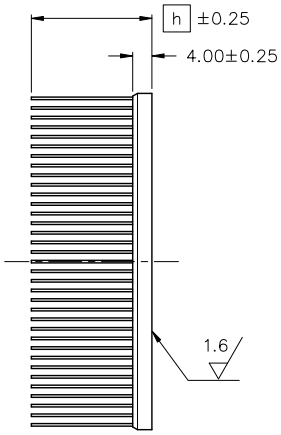
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB7080

DIM

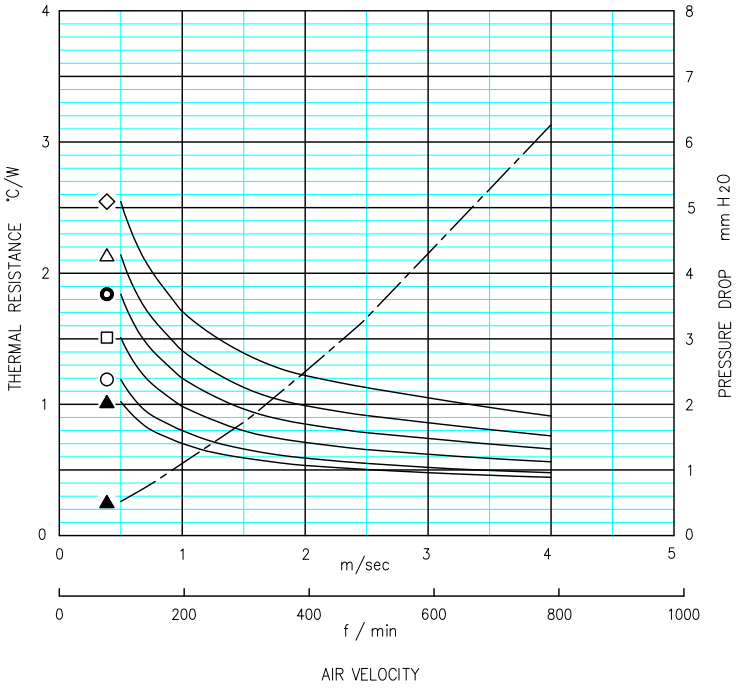



| MODEL | HEATSINK HEIGHT h | WEIGHT (grams) |
|---|---|---|
| UB7080-8B | 8 | 71.8 |
| UB7080-10B | 10 | 77.8 |
| UB7080-12B | 12 | 83.8 |
| UB7080-15B | 15 | 92.8 |
| UB7080-20B | 20 | 107.9 |
| UB7080-25B | 25 | 122.9 |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA




◇ UB7080-8B
△ UB7080-10B
○ UB7080-12B
□ UB7080-15B
○ UB7080-20B
▲ UB7080-25B

● 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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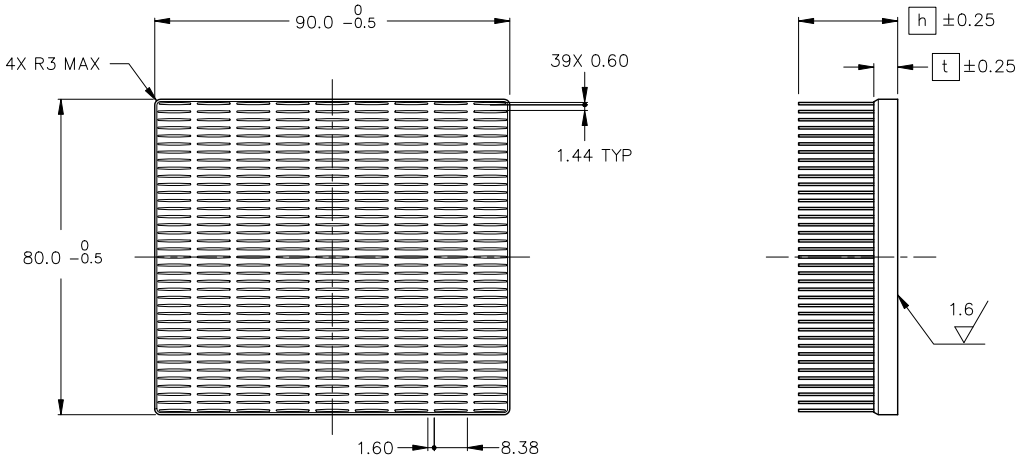
# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB8090

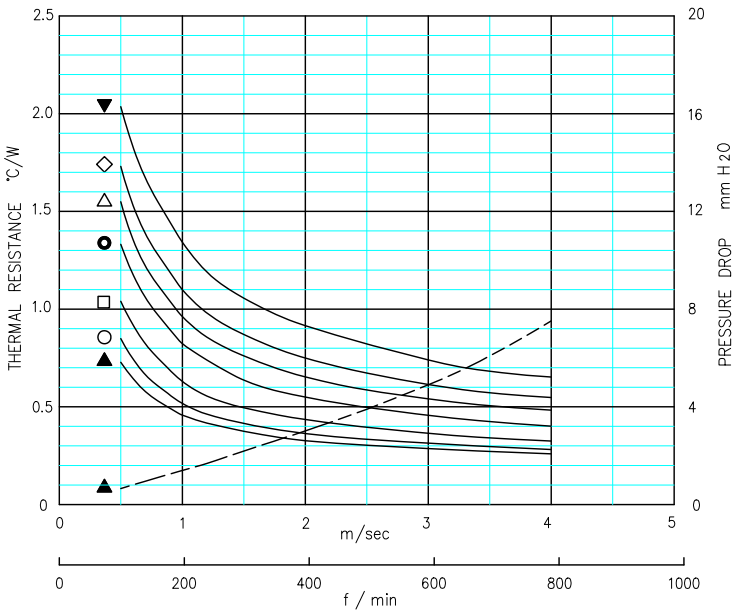
DIM




| 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-hB | h ≦ 12 | 4.00 | – |
| | 12 < h ≦ 30 | 6.00 | – |

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

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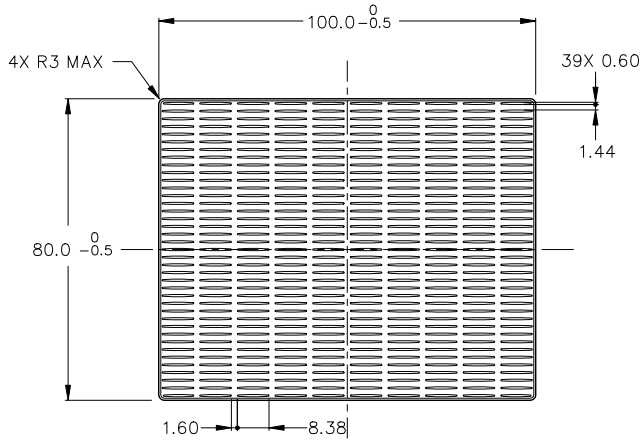
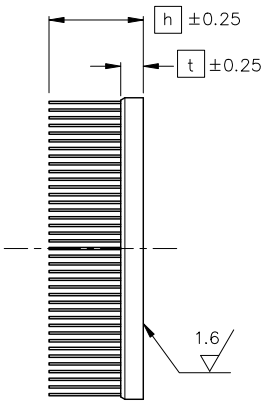
ALPHA

# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB80100

DIM

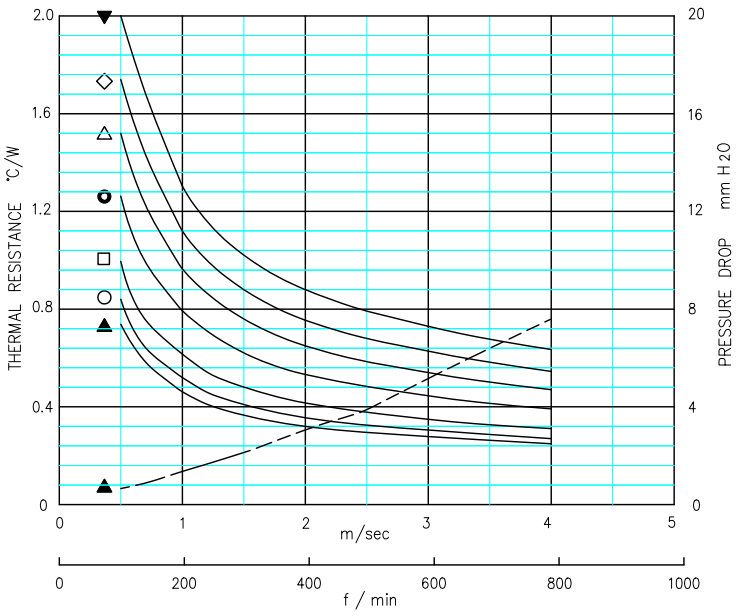



MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

| 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 ——————
PRESURE DROP —— - ——

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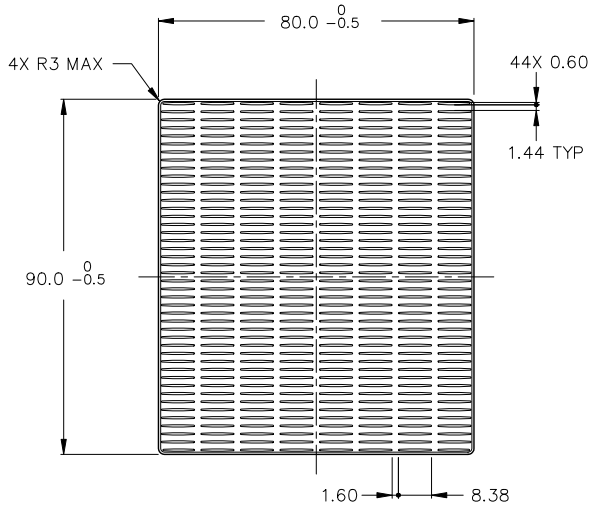
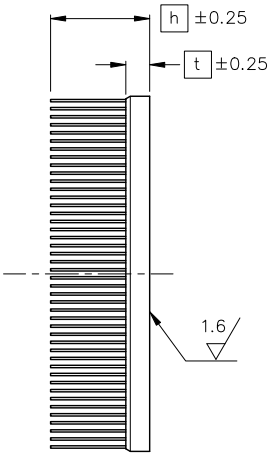
ALPHA

# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB9080

DIM

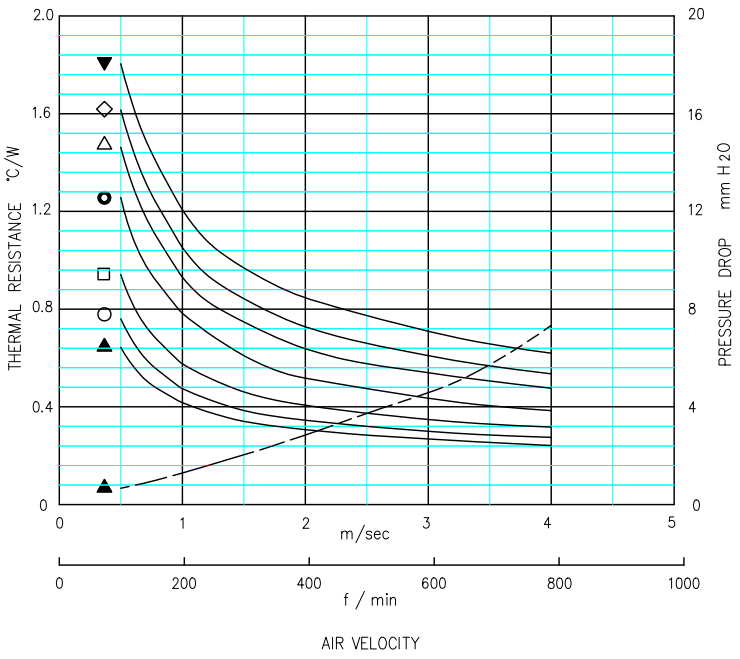



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB9080−8B | 8 | 4.00 | 93.5 |
| UB9080−10B | 10 | | 101.6 |
| UB9080−12B | 12 | | 109.7 |
| UB9080−15B | 15 | 6.00 | 152.4 |
| UB9080−20B | 20 | | 172.7 |
| UB9080−25B | 25 | | 193.0 |
| UB9080−30B | 30 | | 213.3 |
| UB9080−[h]B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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

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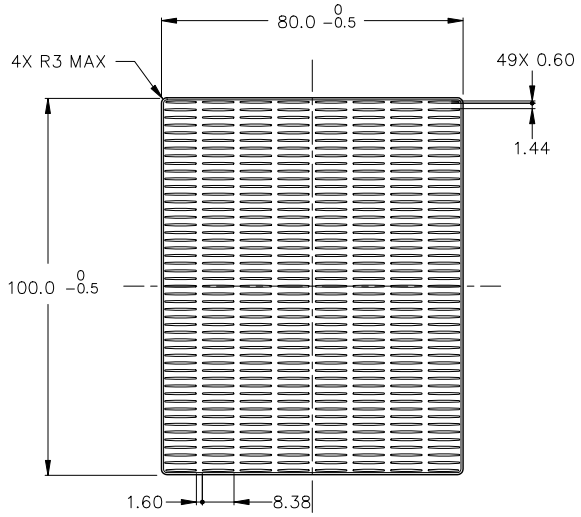
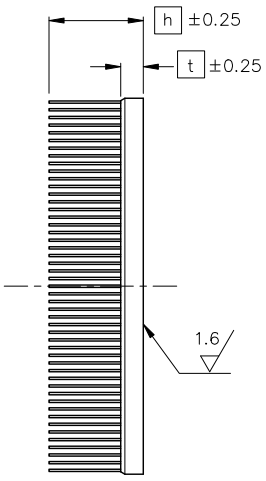
ALPHA

# Low Pressure Drop and Low Thermal Resistance Heat Sink

# UB10080

DIM

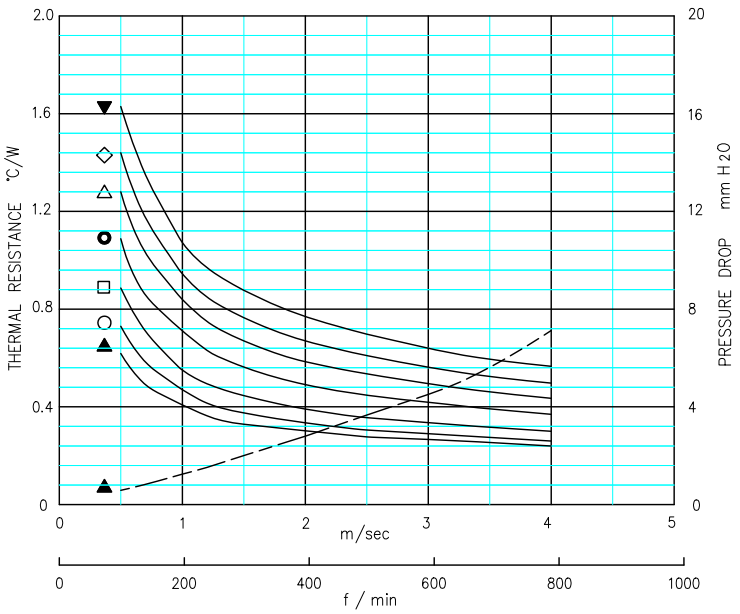



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB10080-8B | 8 | 4.00 | 103.9 |
| UB10080-10B | 10 | | 112.9 |
| UB10080-12B | 12 | | 122.0 |
| UB10080-15B | 15 | 6.00 | 169.4 |
| UB10080-20B | 20 | | 192.1 |
| UB10080-25B | 25 | | 214.7 |
| UB10080-30B | 30 | | 237.3 |
|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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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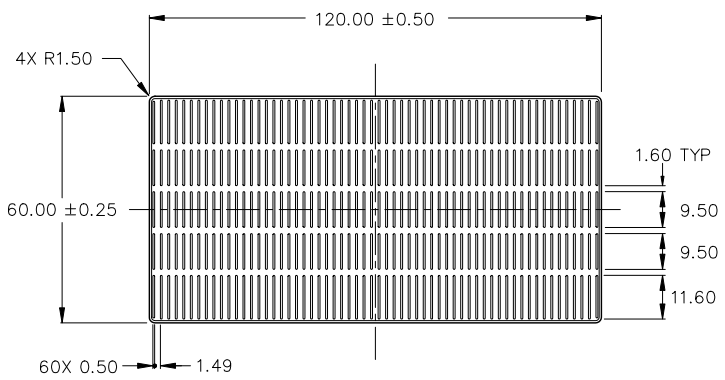
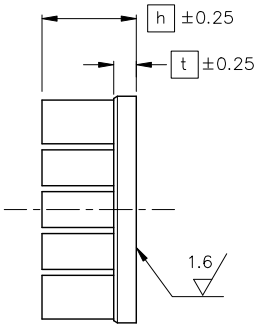
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB12060

DIM

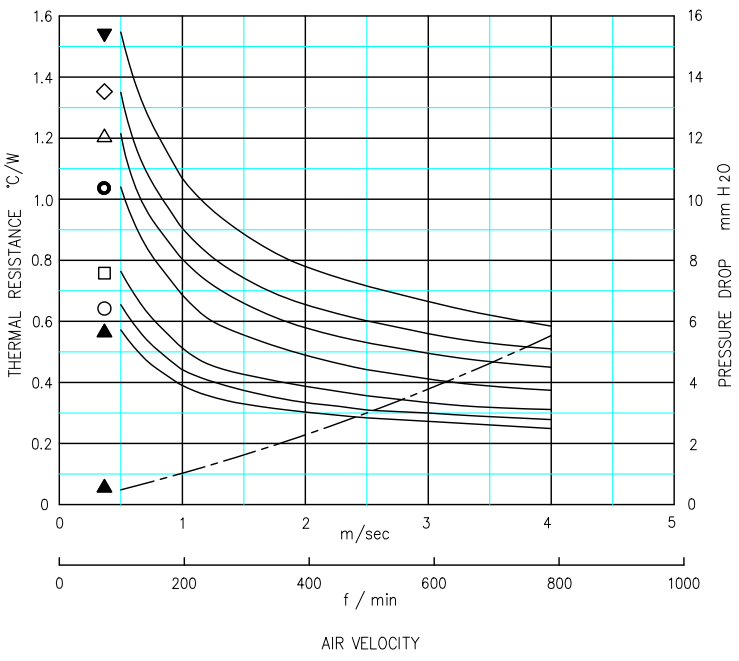



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB12060-8B | 8 | 4.00 | 92.4 |
| UB12060-10B | 10 | | 100.0 |
| UB12060-12B | 12 | 5.00 | 125.5 |
| UB12060-15B | 15 | 6.00 | 153.1 |
| UB12060-20B | 20 | | 173.8 |
| UB12060-25B | 25 | | 194.4 |
| UB12060-30B | 30 | | 215.1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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
REFER TO TECHNICAL INFORMATION.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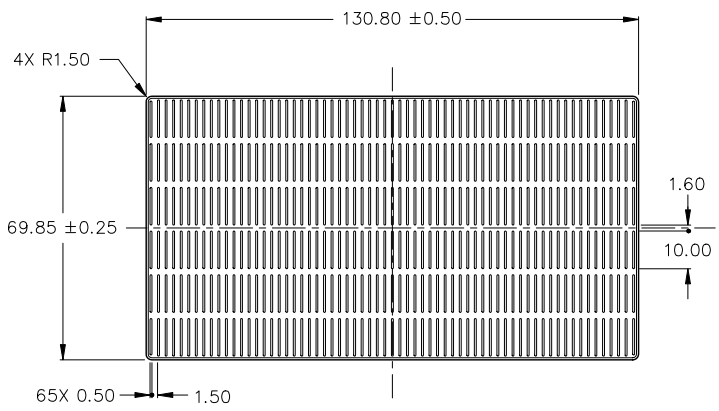
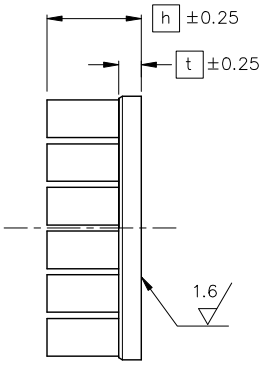
# ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB13070

DIM

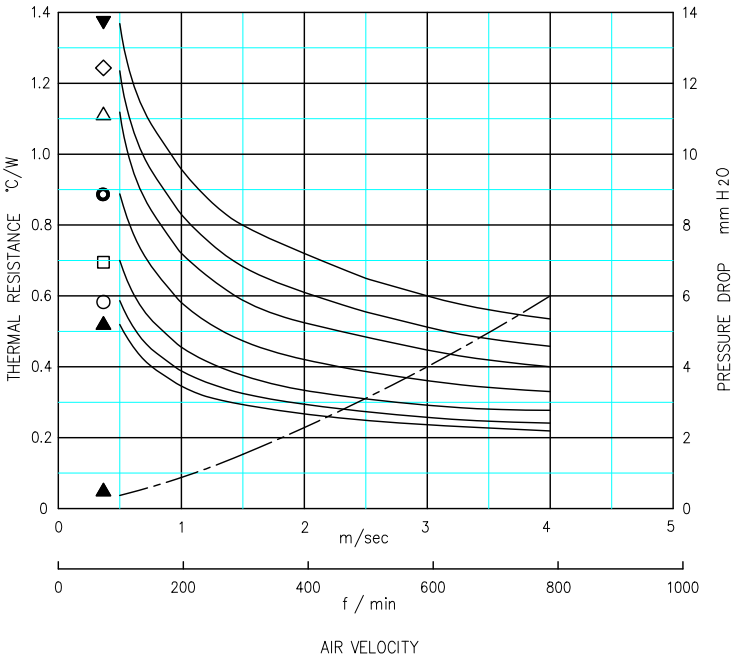



| MODEL | HEIGHT [h] | THICKNESS [t] | WEIGHT (grams) |
|---|---|---|---|
| UB13070-8B | 8 | 4.00 | 118.8 |
| UB13070-10B | 10 | | 129.2 |
| UB13070-12B | 12 | 5.00 | 158.1 |
| UB13070-15B | 15 | 6.00 | 192.8 |
| UB13070-20B | 20 | | 218.2 |
| UB13070-25B | 25 | | 243.6 |
| UB13070-30B | 30 | | 269.0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

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——
PRESURE DROP — - —

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