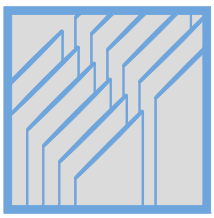


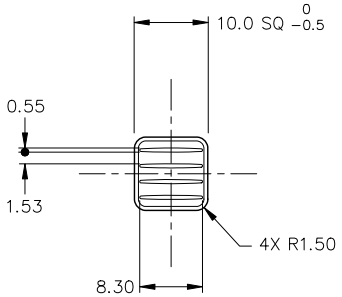
UB Series

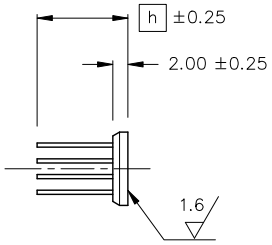
Low Pressure Drop and
Low Thermal Resistance Heat Sink

ALPHA

ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB10

DIM

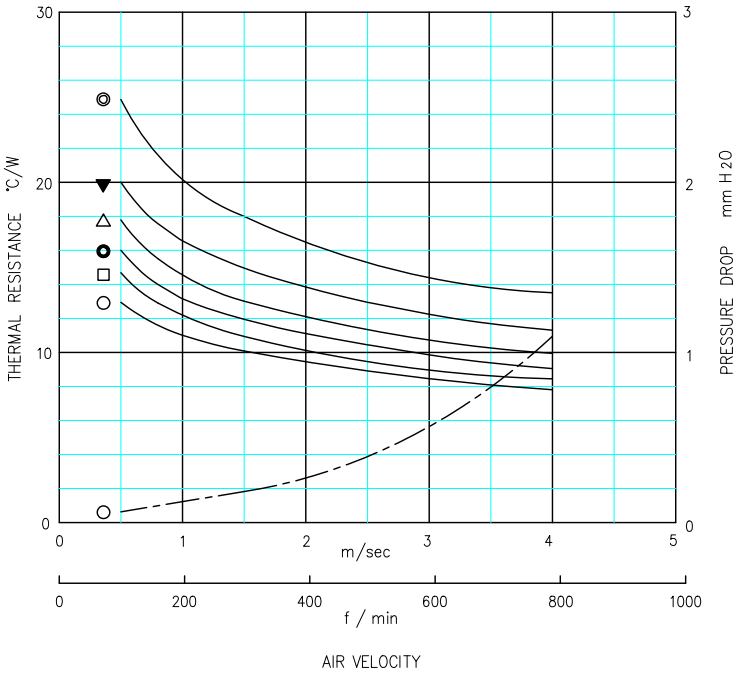




MODEL	HEIGHT h	WEIGHT (grams)
UB10−5B	5	0.6
UB10−7B	7	0.7
UB10−10B	10	0.8
UB10−12B	12	0.9
UB10−15B	15	1.0
UB10−20B	20	1.2

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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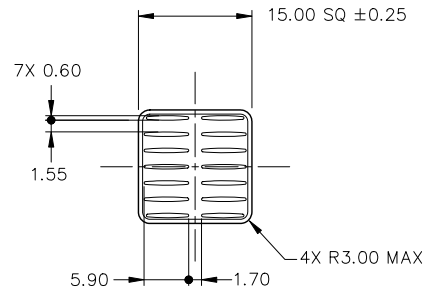
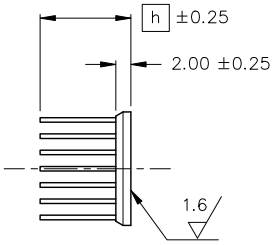
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB15

DIM

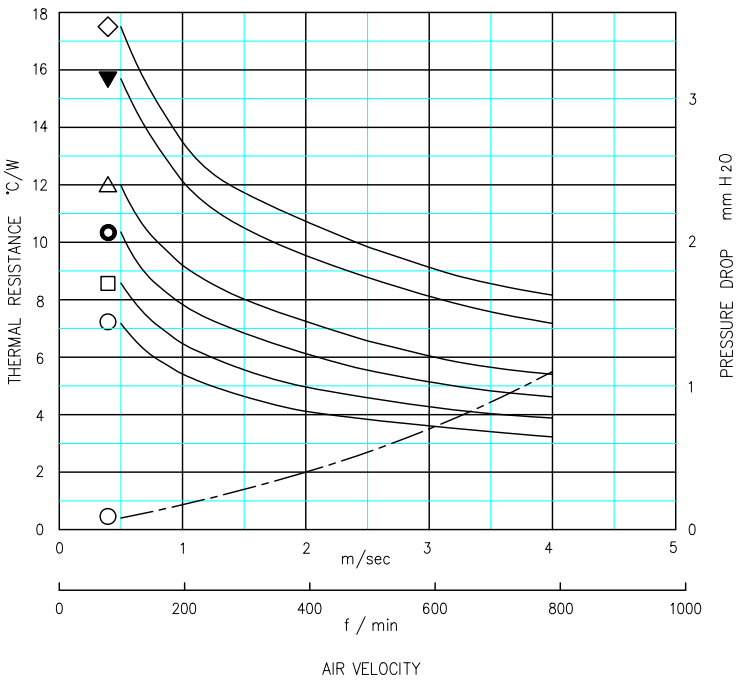




MODEL	HEIGHT h	WEIGHT (grams)
UB15-6B	6	1.6
UB15-7B	7	1.7
UB15-10B	10	2.1
UB15-12B	12	2.3
UB15-15B	15	2.6
UB15-20B	20	3.2

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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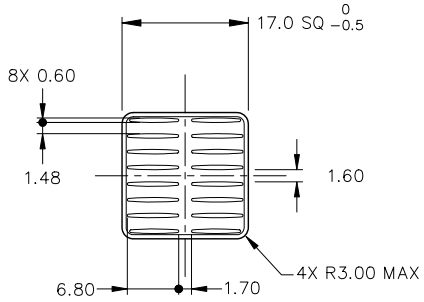
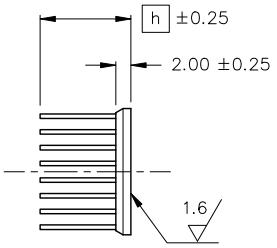
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB17

DIM

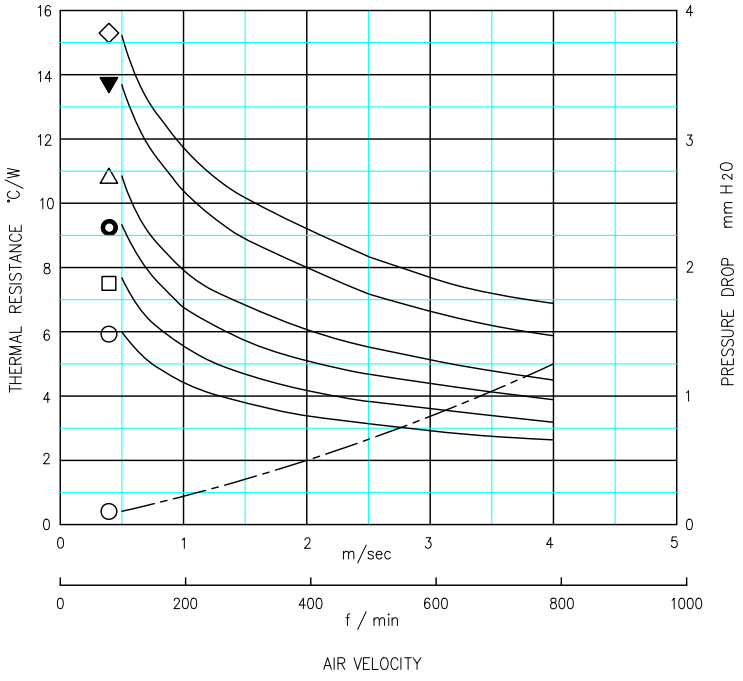




MODEL	HEIGHT [h]	WEIGHT (grams)
UB17-6B	6	2.1
UB17-7B	7	2.3
UB17-10B	10	2.7
UB17-12B	12	3.0
UB17-15B	15	3.4
UB17-20B	20	4.2

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 —— - ——

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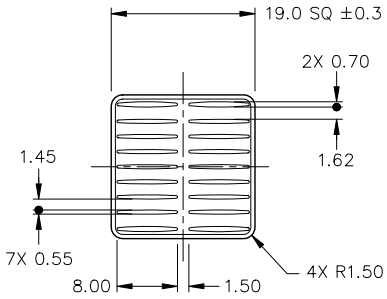
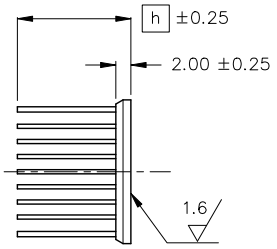
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB19

DIM

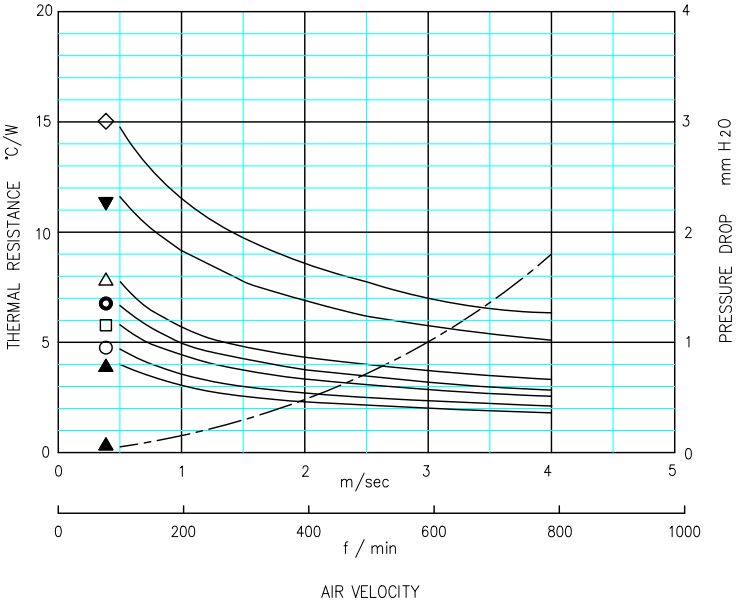




MODEL	HEIGHT h	WEIGHT (grams)
UB19−6B	6	2.6
UB19−7B	7	2.8
UB19−10B	10	3.3
UB19−12B	12	3.7
UB19−15B	15	4.2
UB19−20B	20	5.1
UB19−25B	25	6.0

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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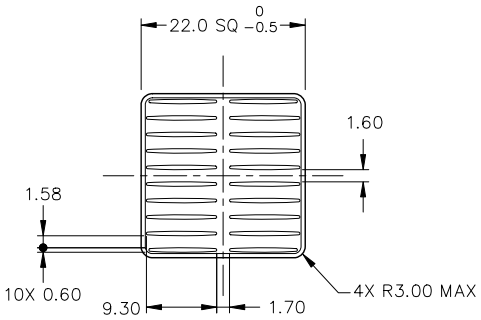
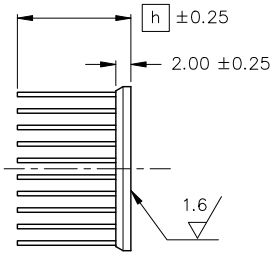
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB22

DIM

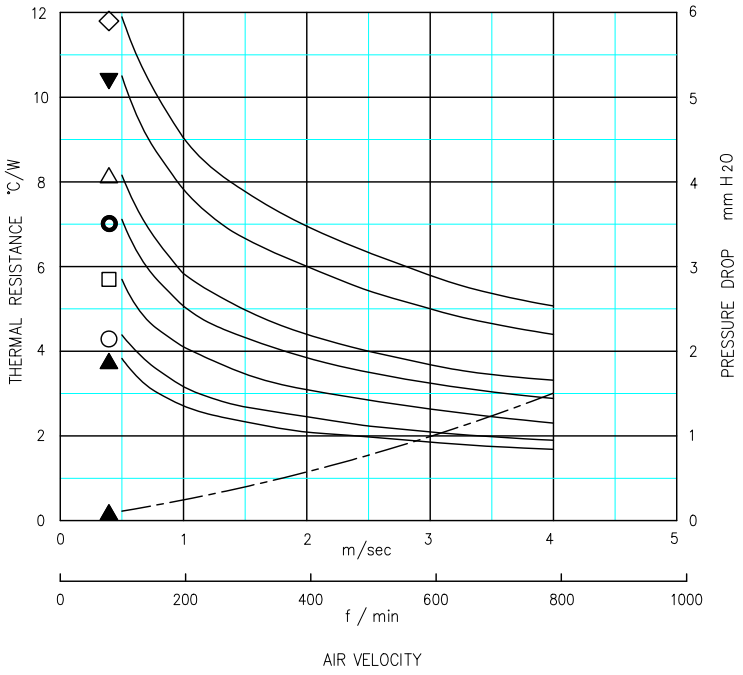




MODEL	HEIGHT [h]	WEIGHT (grams)
UB22-6B	6	3.6
UB22-7B	7	3.8
UB22-10B	10	4.6
UB22-12B	12	5.1
UB22-15B	15	5.9
UB22-20B	20	7.2
UB22-25B	25	8.4

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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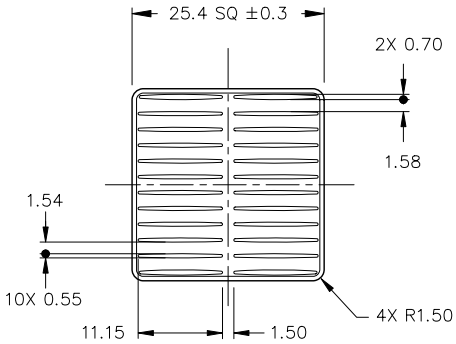
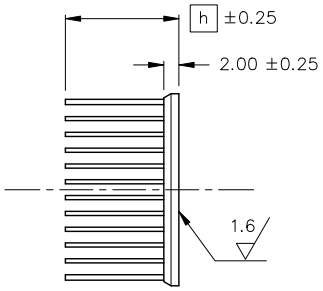
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB25

DIM

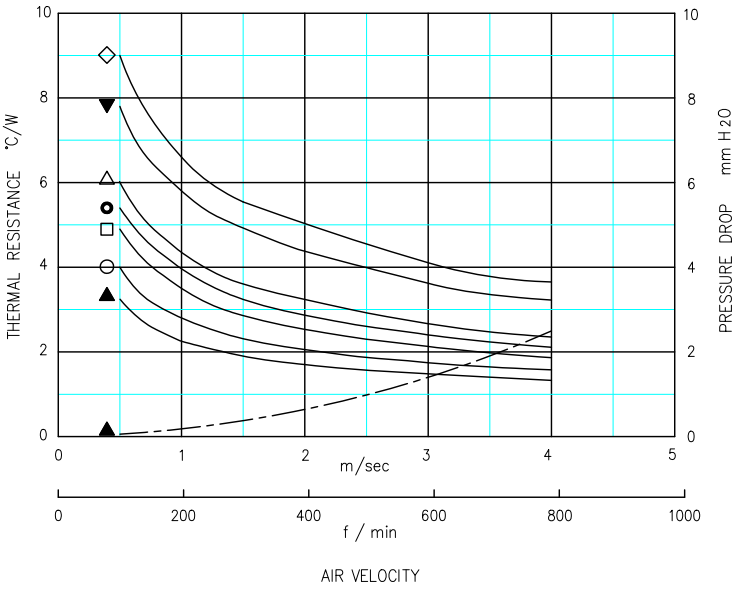




MODEL	HEIGHT [h]	WEIGHT (grams)
UB25−6B	6	4.8
UB25−7B	7	5.2
UB25−10B	10	6.4
UB25−12B	12	7.1
UB25−15B	15	8.1
UB25−20B	20	9.6
UB25−25B	25	11.2

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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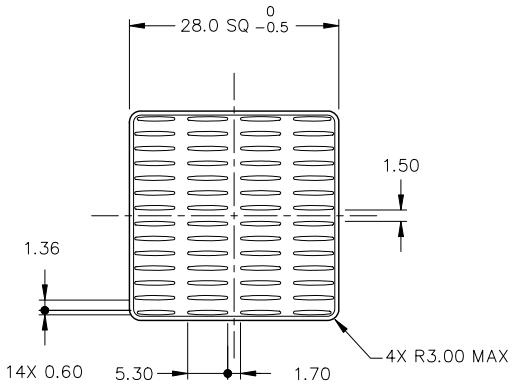
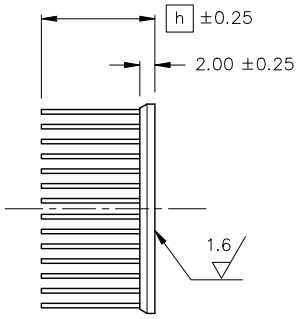
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB28

DIM

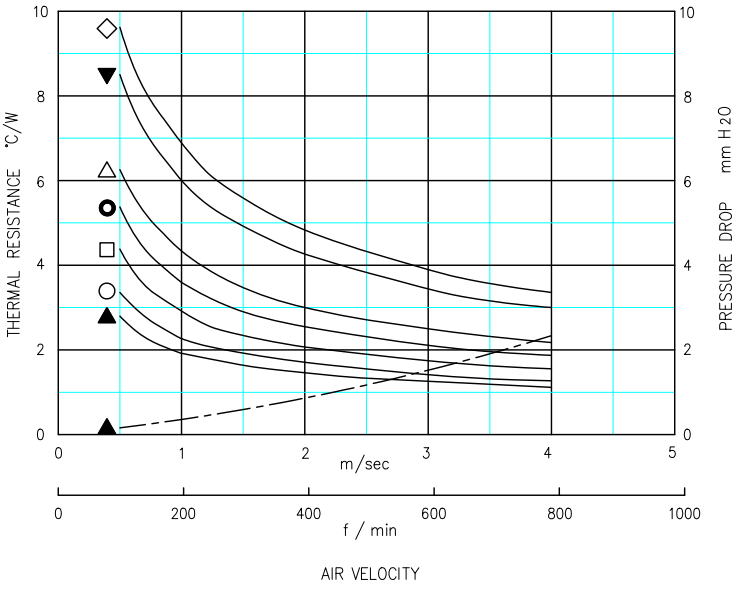




MODEL	HEIGHT [h]	WEIGHT (grams)
UB28-6B	6	5.5
UB28-7B	7	5.9
UB28-10B	10	7.1
UB28-12B	12	7.9
UB28-15B	15	9.1
UB28-20B	20	11.1
UB28-28B	25	13.1

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



◇ UB28-6B
▼ UB28-7B
△ UB28-10B
◎ UB28-12B
□ UB28-15B
○ UB28-20B
▲ UB28-28B

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

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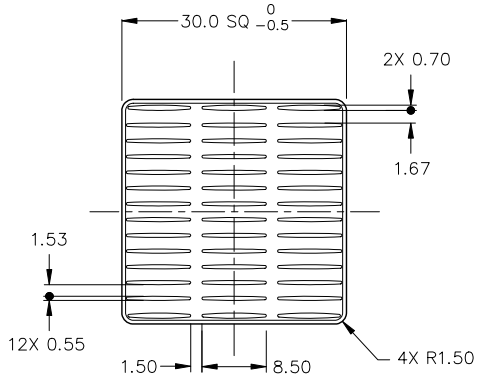
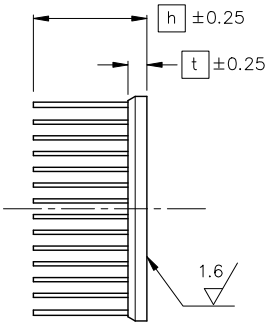
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB30

DIM

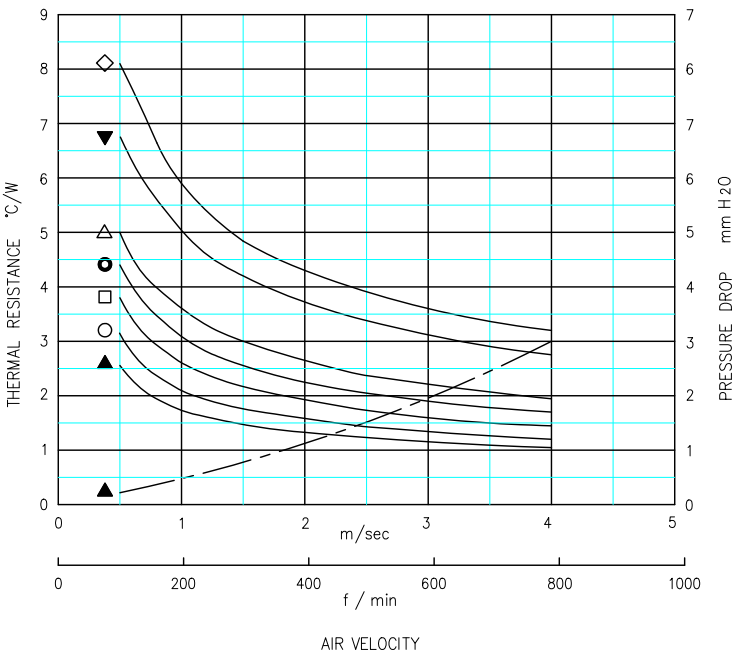




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB30-6B	6	2.00	6.8
UB30-7B	7		7.3
UB30-10B	10	2.50	9.0
UB30-12B	12		10.0
UB30-15B	15		11.5
UB30-20B	20		14.0
UB30-25B	25		16.5
UB30-[h]B	[h] ≦ 7	2.00	–
	7 < [h] ≦ 25	2.50	–

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.
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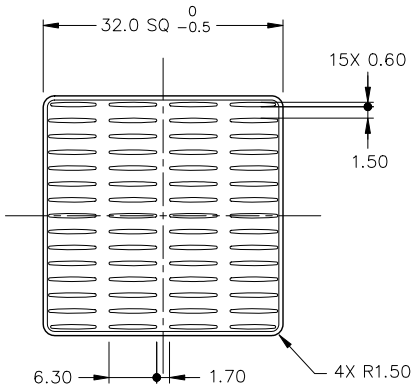
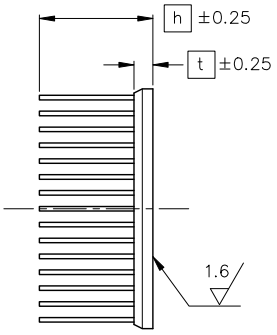
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB32

DIM

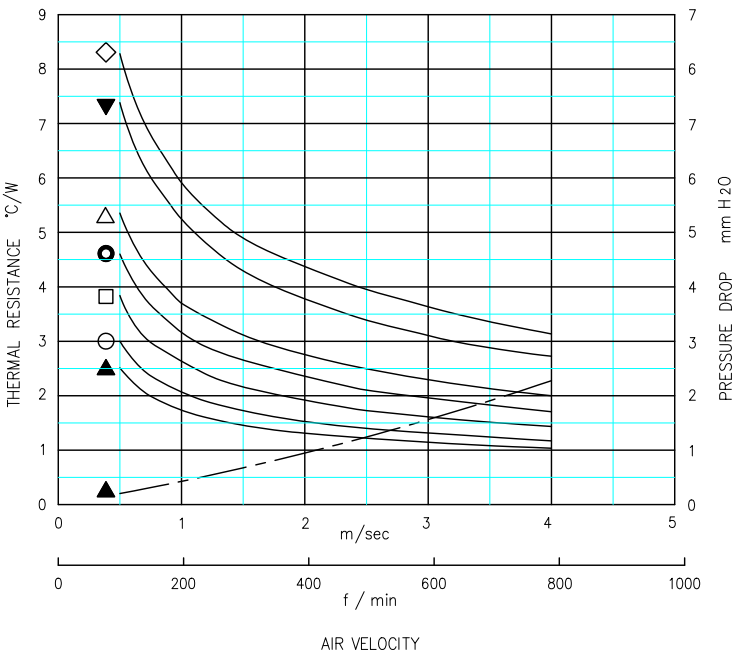




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB32-6B	6	2.00	7.4
UB32-7B	7		7.9
UB32-10B	10	2.50	10.5
UB32-12B	12		11.6
UB32-15B	15		13.1
UB32-20B	20		15.7
UB32-25B	25		18.2
UB32-[h]B	[h] ≦ 7	2.00	–
	7 < [h] ≦ 25	2.50	–

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.
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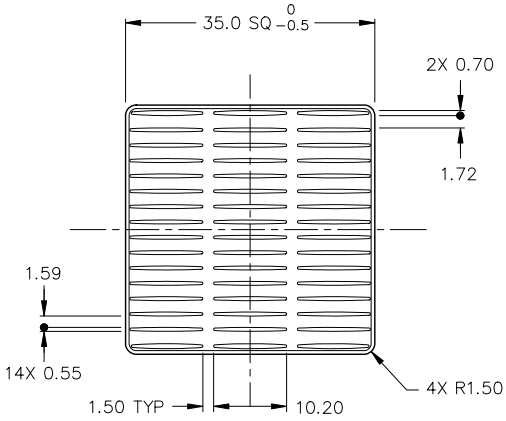
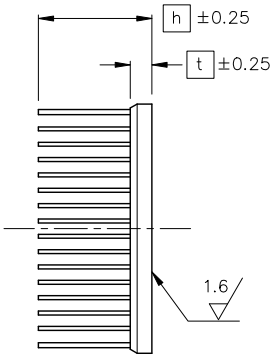
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB35

DIM

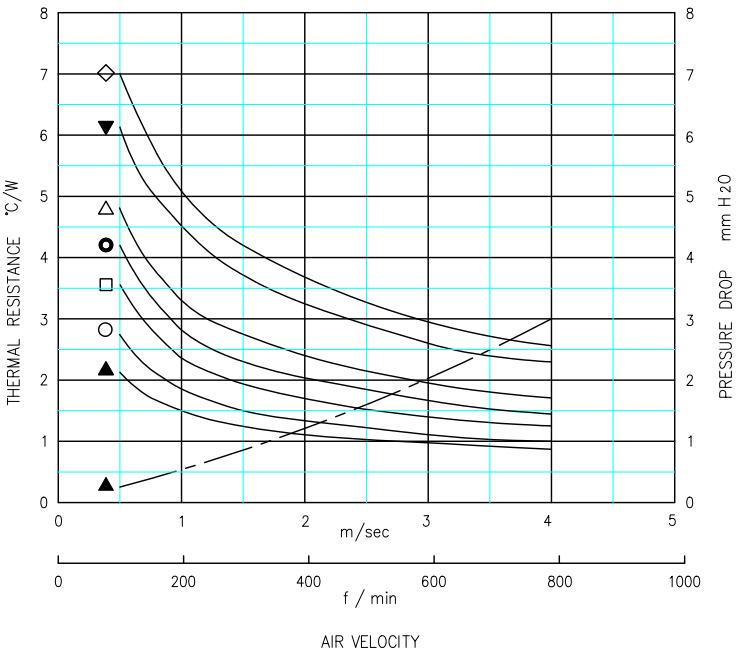




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB35-6B	6	2.00	9.2
UB35-7B	7		9.9
UB35-10B	10	3.00	13.5
UB35-12B	12		14.9
UB35-15B	15		17.0
UB35-20B	20		20.5
UB35-25B	25		24.0
UB35-[h]B	[h] ≦ 7	2.00	–
	7 < [h] ≦ 25	3.00	–

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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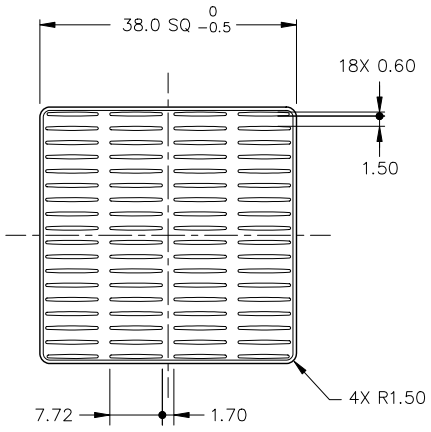
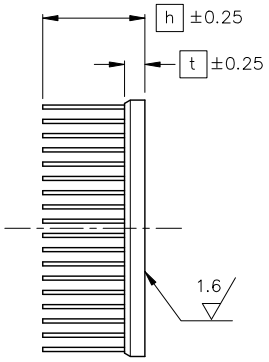
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB38

DIM

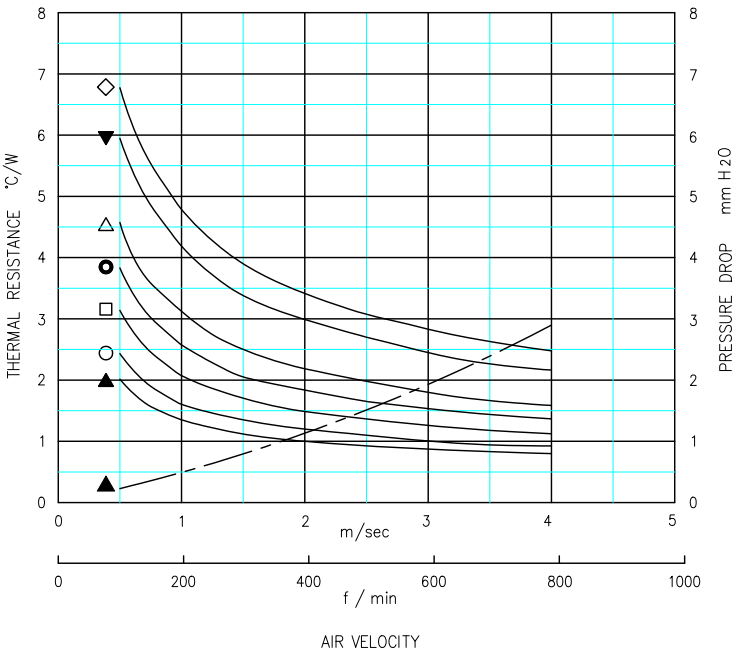




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB38-6B	6	2.00	10.8
UB38-7B	7		11.6
UB38-10B	10	3.00	17.0
UB38-12B	12		18.6
UB38-15B	15		20.9
UB38-20B	20		24.8
UB38-25B	25		28.7
UB38-[h]B	[h] ≦ 7	2.00	–
	7 < [h] ≦ 25	3.00	–

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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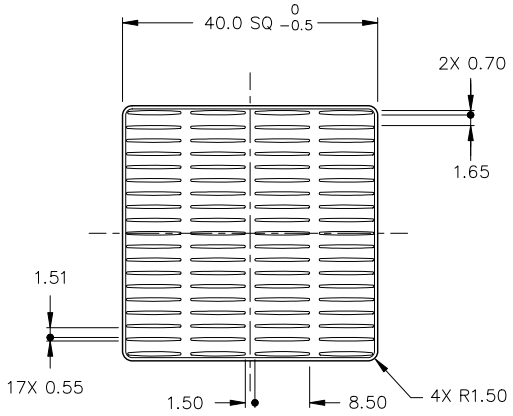
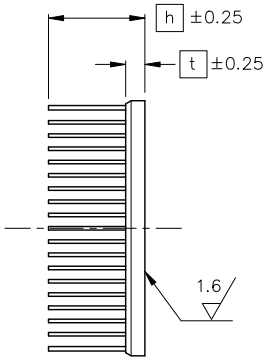
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB40

DIM

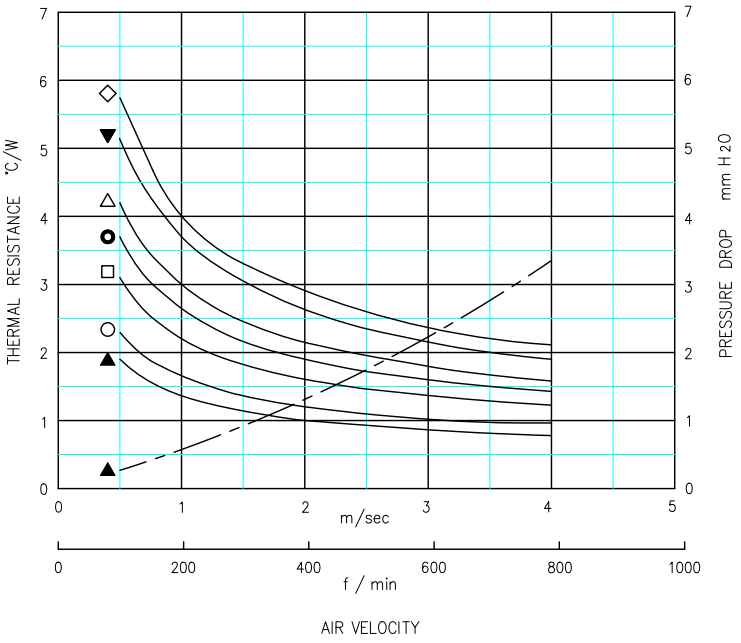




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB40−6B	6	2.00	12.0
UB40−7B	7		12.9
UB40−10B	10	3.00	17.8
UB40−12B	12		19.7
UB40−15B	15		22.5
UB40−20B	20		27.3
UB40−25B	25		32.0
UB40−[h]B	[h] ≦ 7	2.00	−
	7 < [h] ≦ 25	3.00	−

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.
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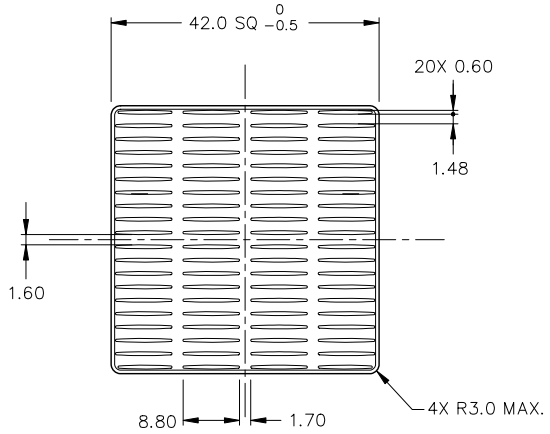
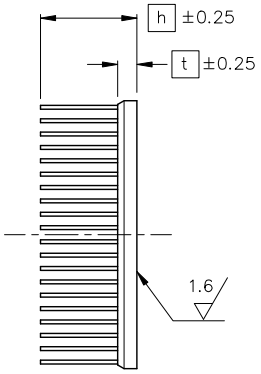
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB42

DIM

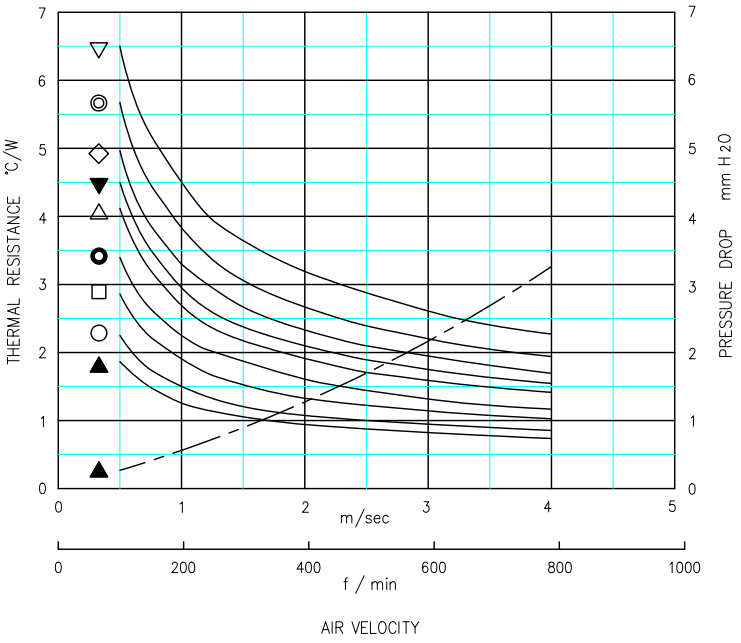




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB42-6B	6	2.50	15.0
UB42-7B	7		15.9
UB42-8B	8		16.9
UB42-9B	9		17.9
UB42-10B	10	3.00	20.6
UB42-12B	12		22.6
UB42-15B	15		25.5
UB42-20B	20		30.3
UB42-25B	25		35.2
UB42-[h]B	[h] ≦ 9	2.50	–
	9 < [h] ≦ 25	3.00	–

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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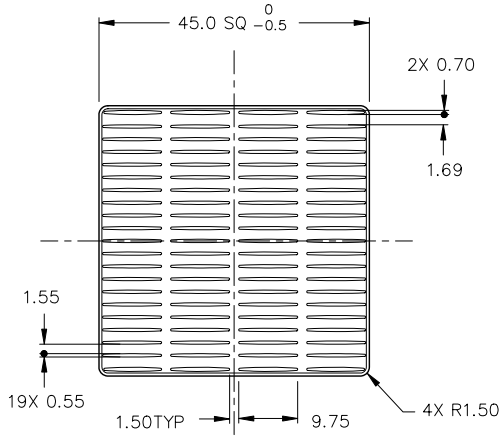
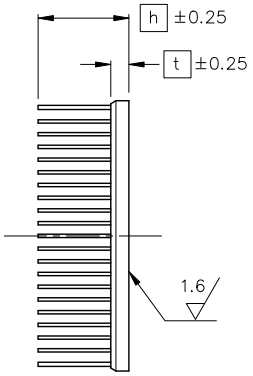
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB45

DIM

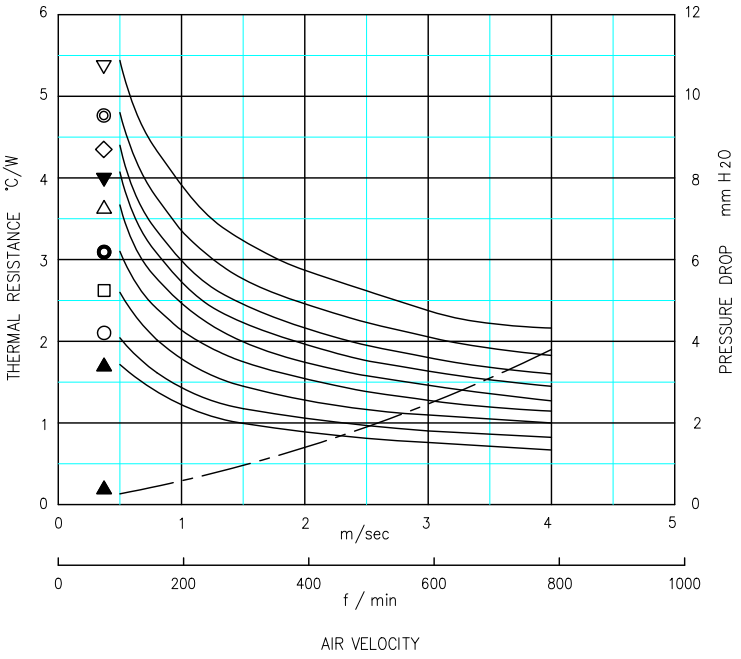




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB45-6B	6	2.50	16.8
UB45-7B	7		18.0
UB45-8B	8		19.2
UB45-9B	9		20.4
UB45-10B	10	3.00	21.8
UB45-12B	12		24.3
UB45-15B	15		28.0
UB45-20B	20		34.3
UB45-25B	25		40.5
UB45-[h]B	[h] ≦ 9	2.50	–
	9 < [h] ≦ 25	3.00	–

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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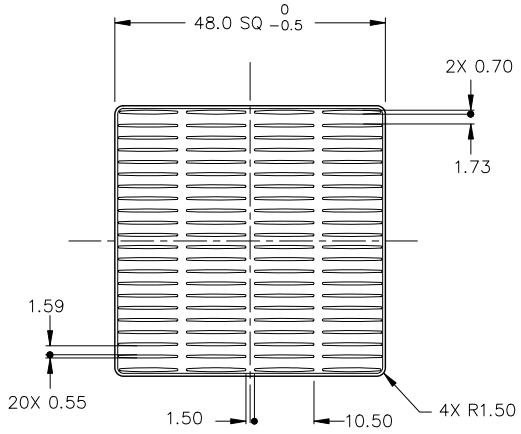
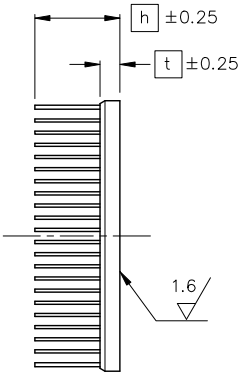
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB48

DIM

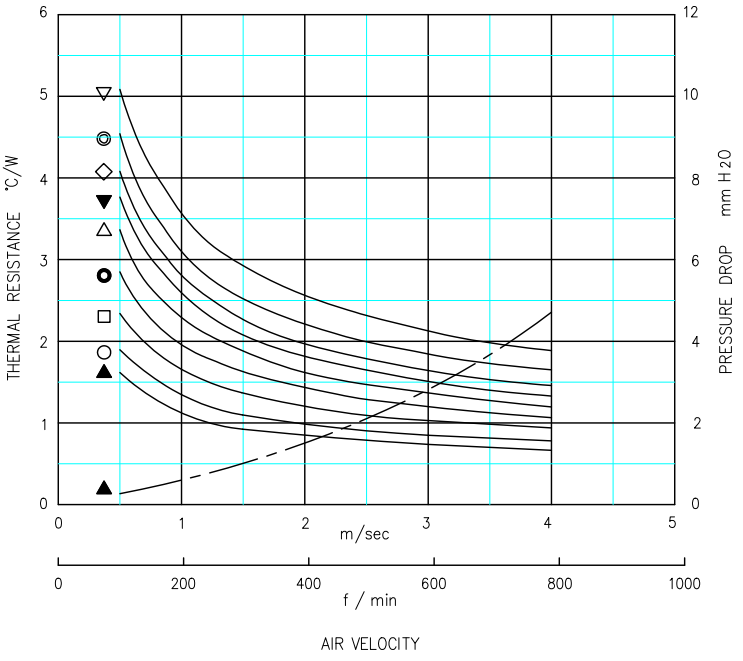




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB48-6B	6	2.50	19.4
UB48-7B	7		20.5
UB48-8B	8		21.7
UB48-9B	9		22.8
UB48-10B	10	3.50	28.5
UB48-12B	12		31.1
UB48-15B	15		35.0
UB48-20B	20		41.5
UB48-25B	25		48.0
UB48-[h]B	[h] ≦ 9	2.50	–
	9 < [h] ≦ 25	3.50	–

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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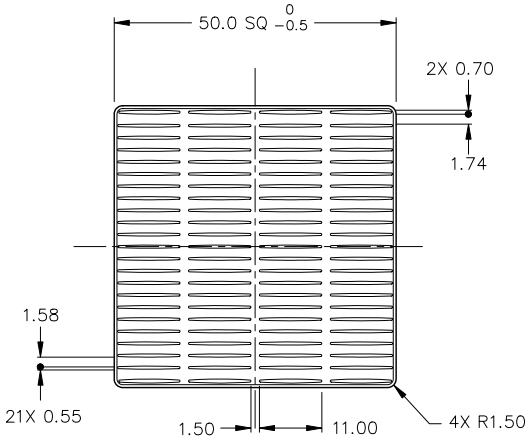
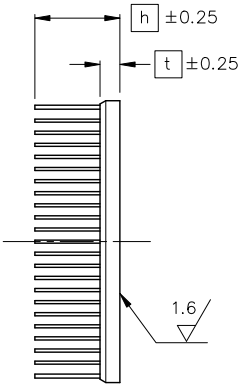
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB50

DIM

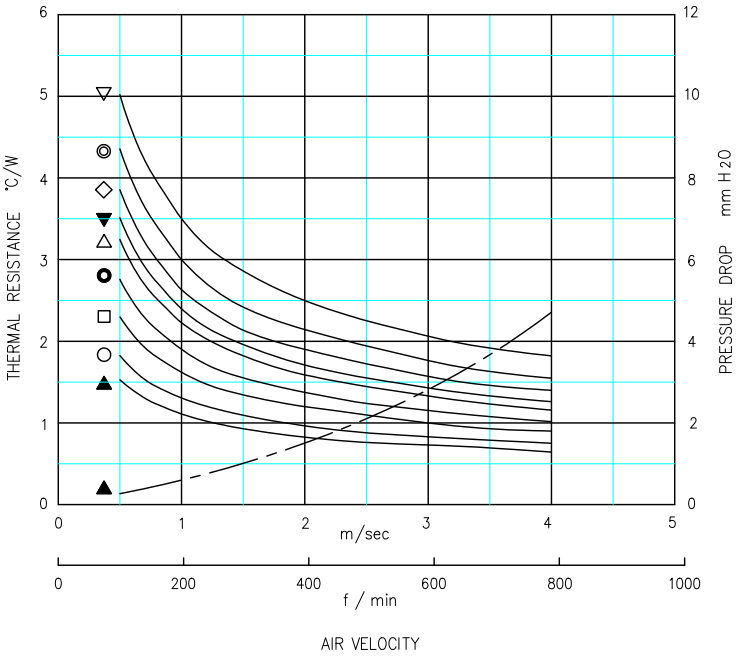




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB50-6B	6	2.50	21.0
UB50-7B	7		22.3
UB50-8B	8		23.7
UB50-9B	9		25.0
UB50-10B	10	3.50	30.5
UB50-12B	12		34.6
UB50-15B	15		38.0
UB50-20B	20		45.5
UB50-25B	25		53.0
UB50-[h]B	[h] ≦ 9	2.50	–
	9 < [h] ≦ 25	3.50	–

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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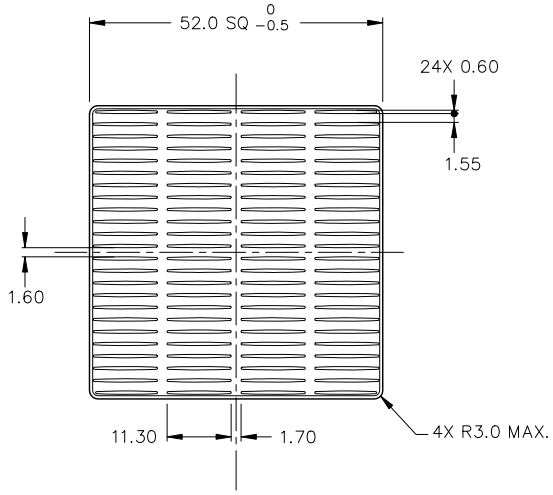
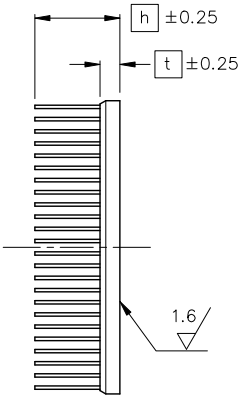
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB52

DIM

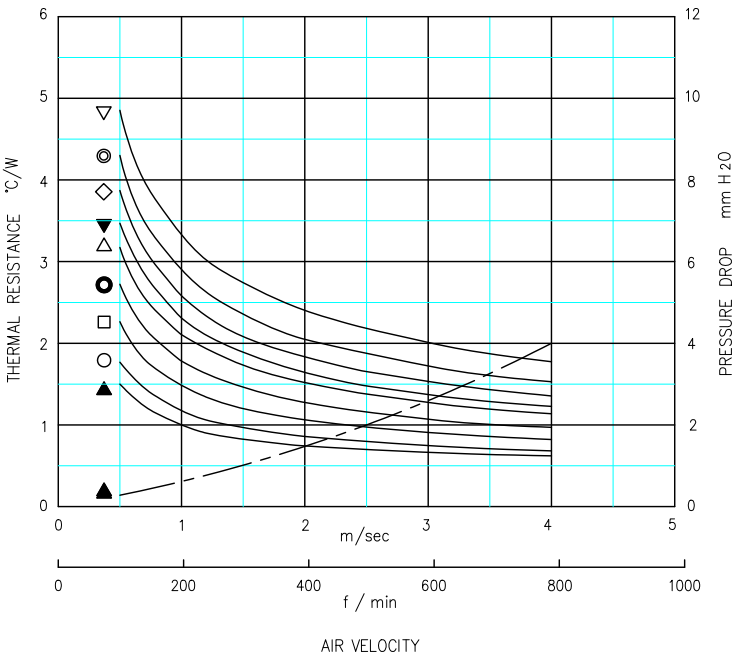




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB52-6B	6	2.50	23.0
UB52-7B	7		24.5
UB52-8B	8		26.0
UB52-9B	9		27.5
UB52-10B	10	3.50	35.0
UB52-12B	12		37.7
UB52-15B	15		42.2
UB52-20B	20		49.7
UB52-25B	25		57.2
UB52-[h]B	[h] ≦ 9	2.50	–
	9 < [h] ≦ 25	3.50	–

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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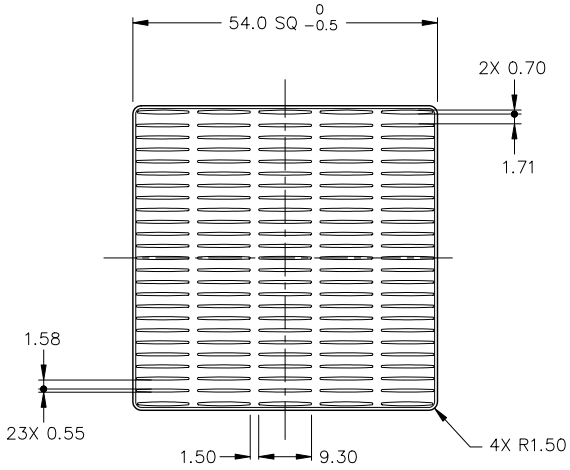
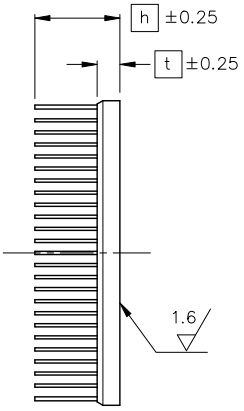
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB54

DIM

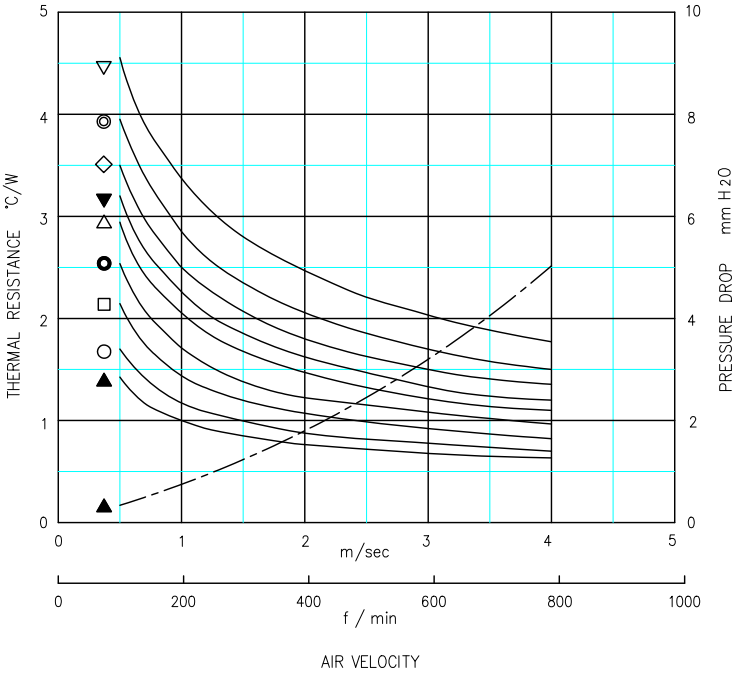




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB54-6B	6	3.00	28.1
UB54-7B	7		29.6
UB54-8B	8		31.0
UB54-9B	9		32.4
UB54-10B	10	4.00	39.3
UB54-12B	12		42.6
UB54-15B	15		47.5
UB54-20B	20		55.8
UB54-25B	25		64.0
UB54-[h]B	[h] ≦ 9	3.00	–
	9 < [h] ≦ 25	4.00	–

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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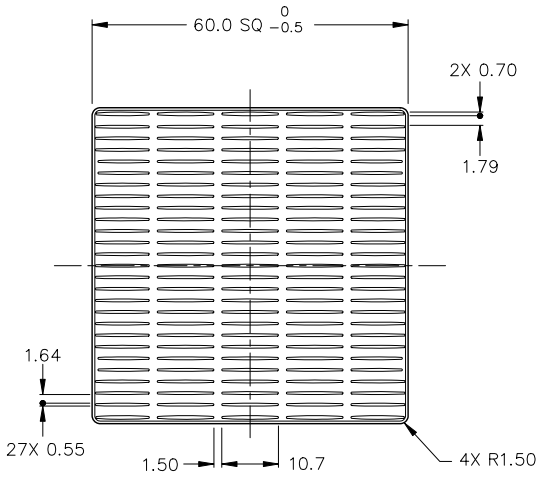
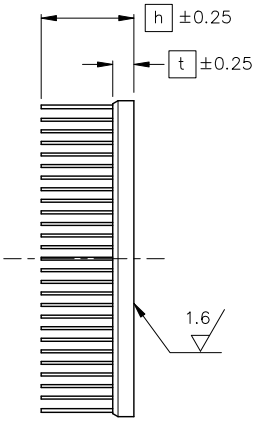
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB60

DIM

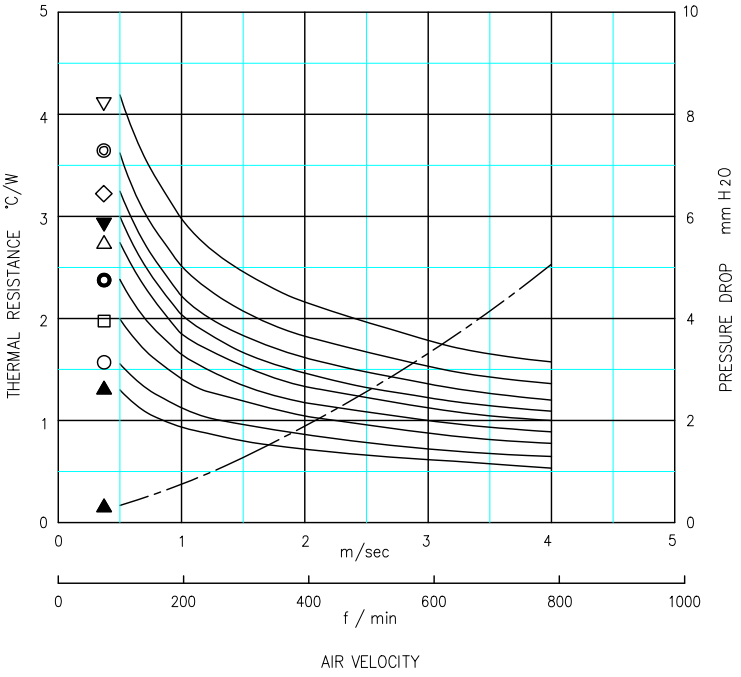




MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB60-6B	6	3.00	35.5
UB60-7B	7		37.3
UB60-8B	8		39.2
UB60-9B	9		41.0
UB60-10B	10	4.00	49.5
UB60-12B	12		52.9
UB60-15B	15		58.0
UB60-20B	20		66.5
UB60-25B	25		75.0
UB60-[h]B	[h] ≦ 9	3.00	–
	9 < [h] ≦ 25	4.00	–

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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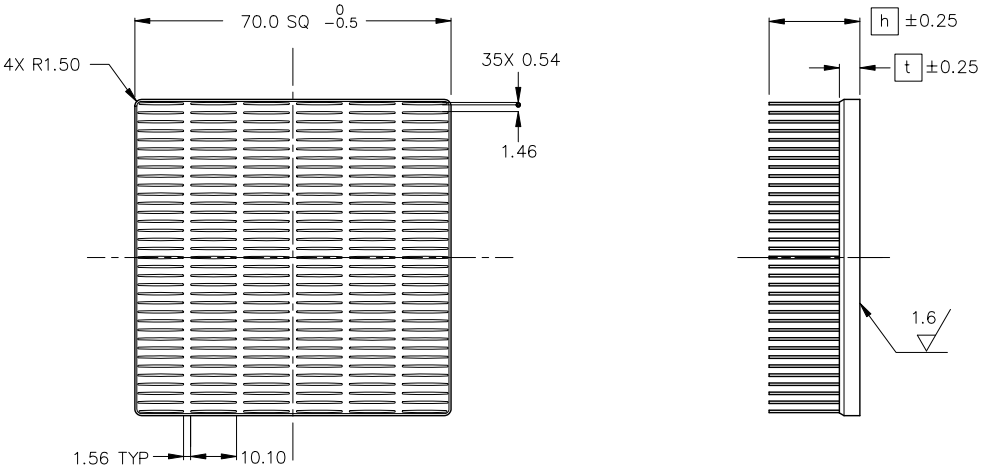
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB70

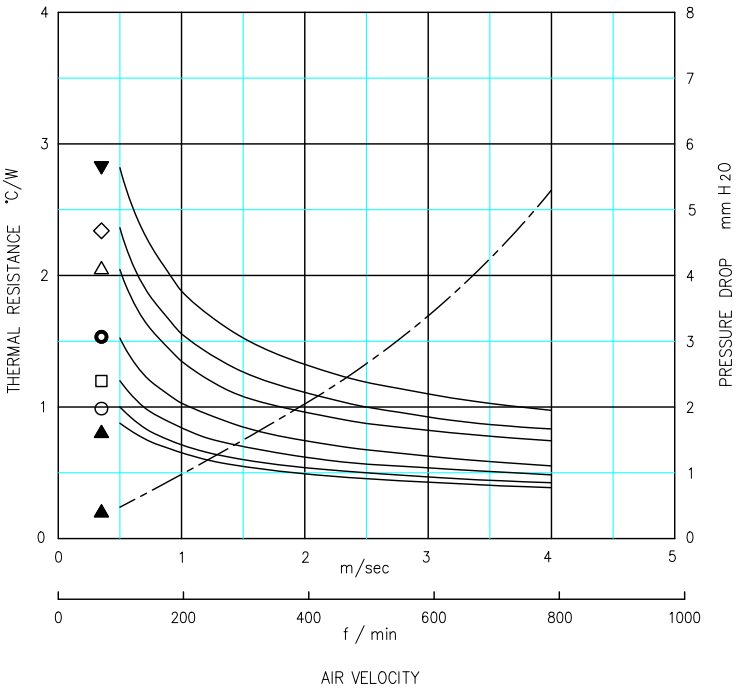
DIM



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.
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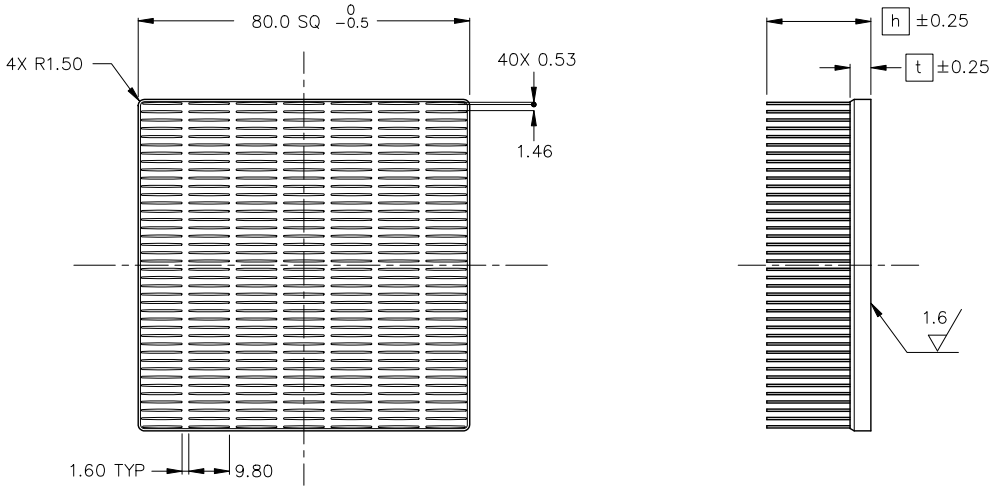
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB80

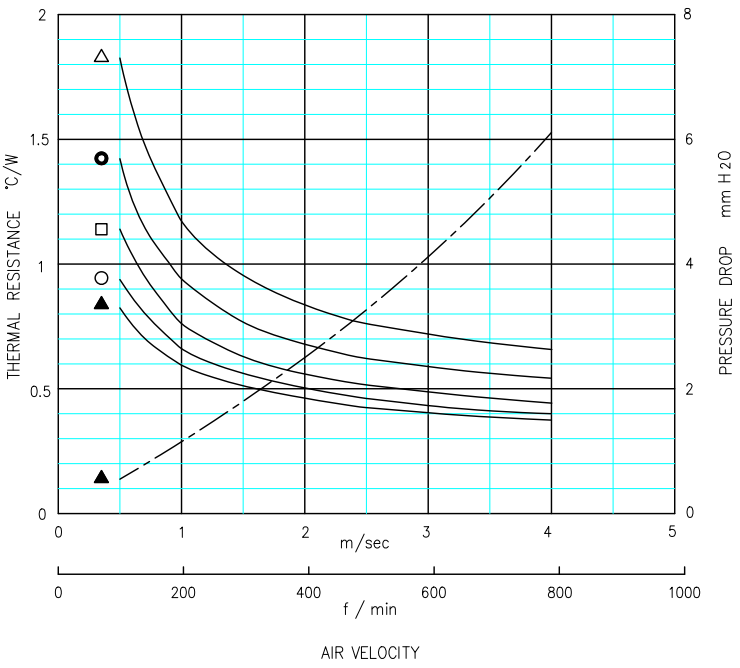
DIM



MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
UB80−12B	12	4.00	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−hB	h ≦ 12	4.00	−
	12 < h ≦ 30	5.00	−

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



△ 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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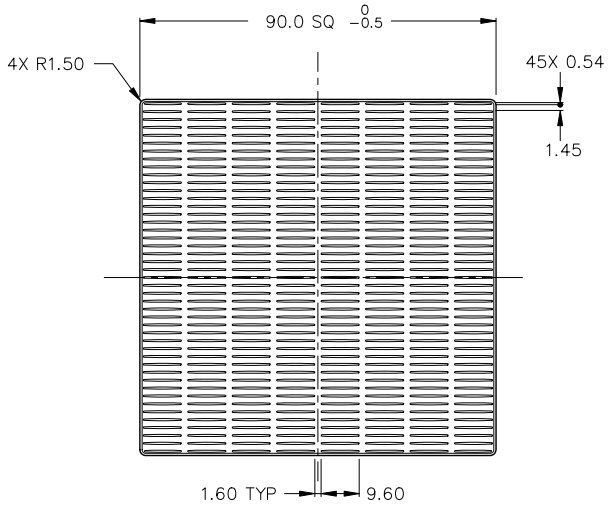
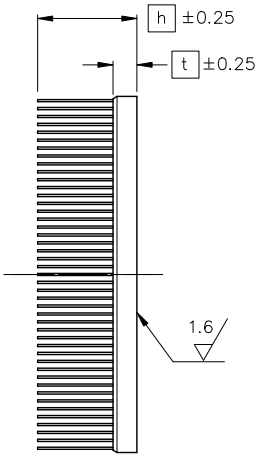
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB90

DIM

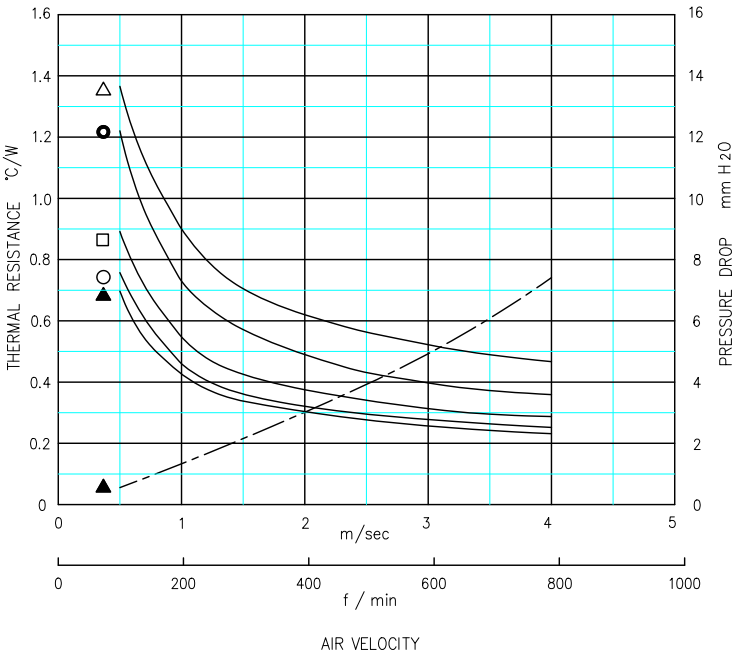




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB90−12B	12	4.00	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



△ UB90−12B
○ 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.
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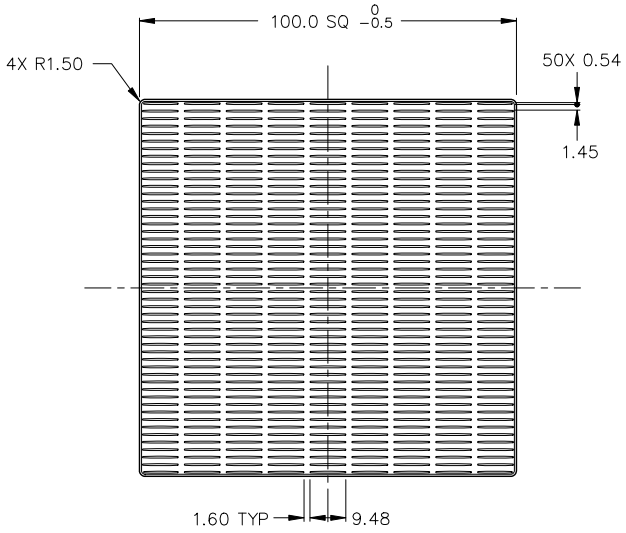
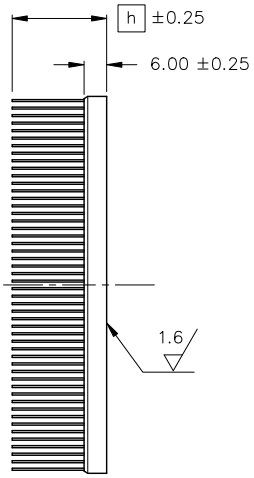
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB100

DIM

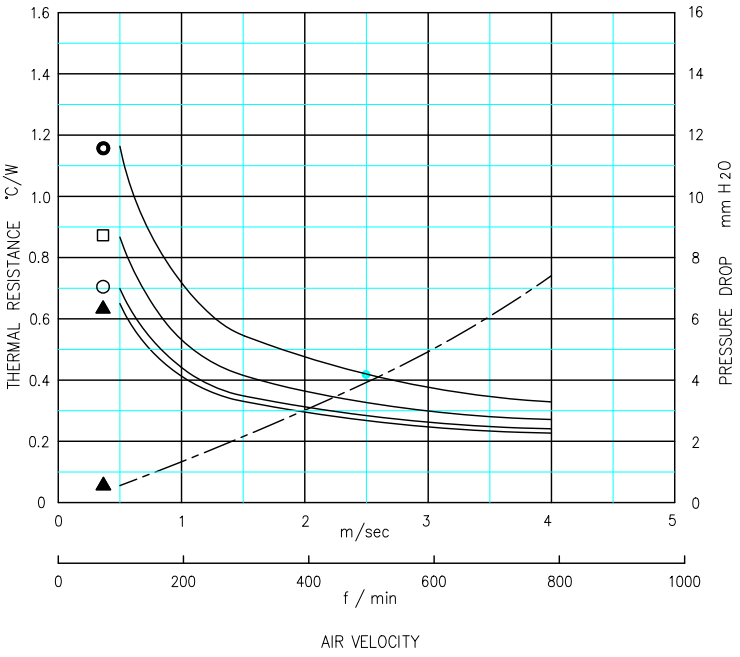




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEATSINK HEIGHT h	WEIGHT (grams)
UB100-15B	15	209
UB100-20B	20	236
UB100-25B	25	264
UB100-30B	30	291

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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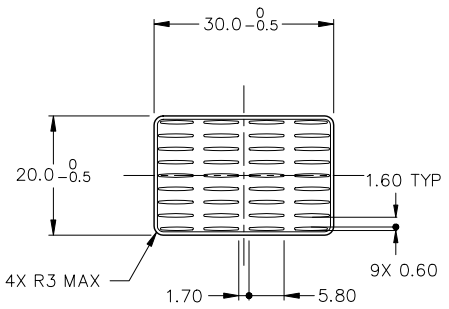
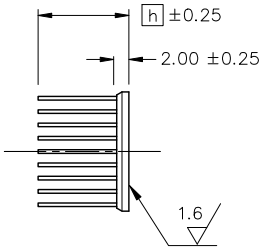
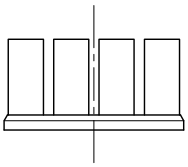
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB2030

DIM



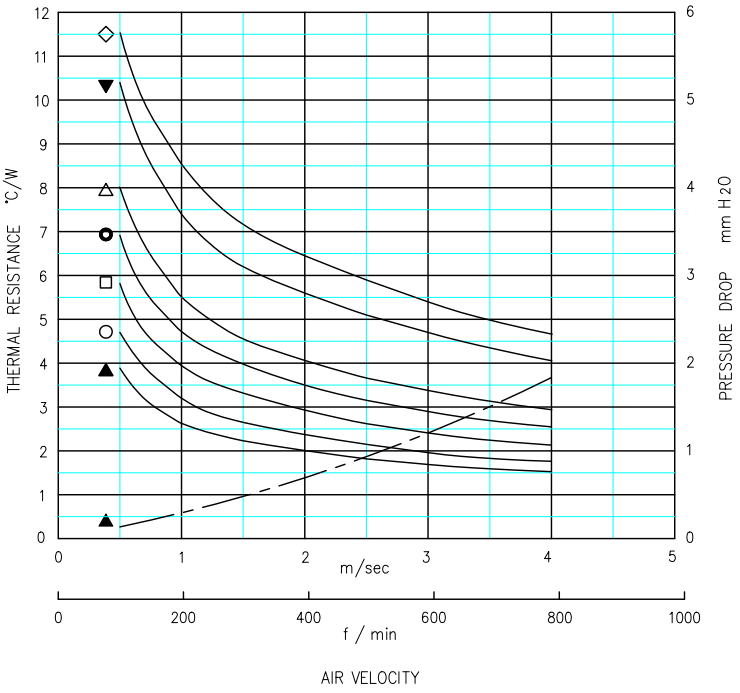




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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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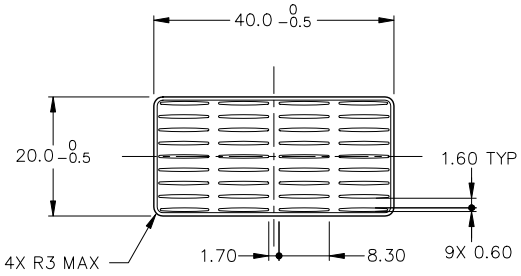
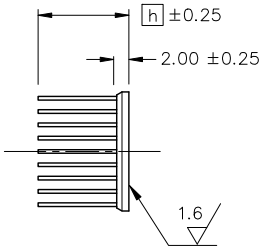
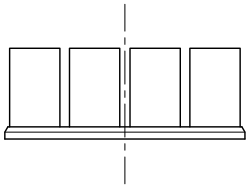
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB2040

DIM



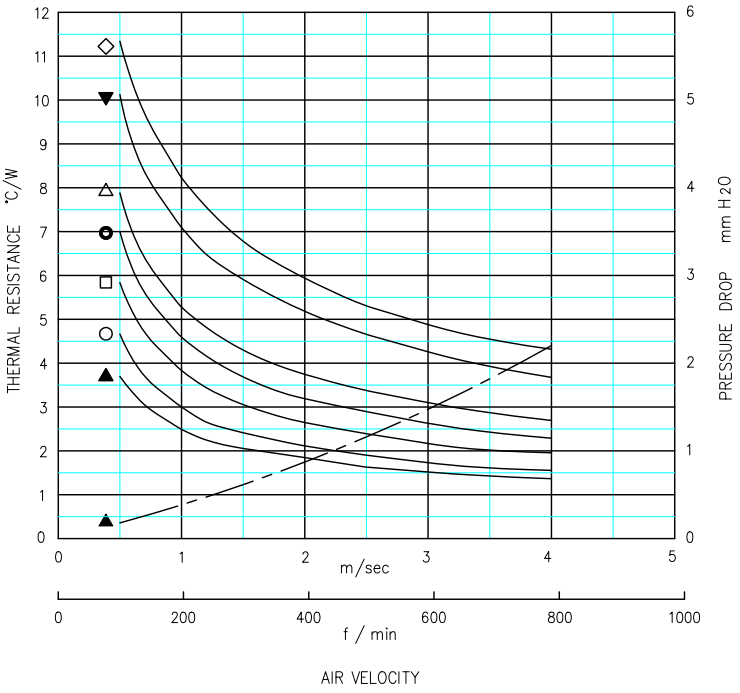




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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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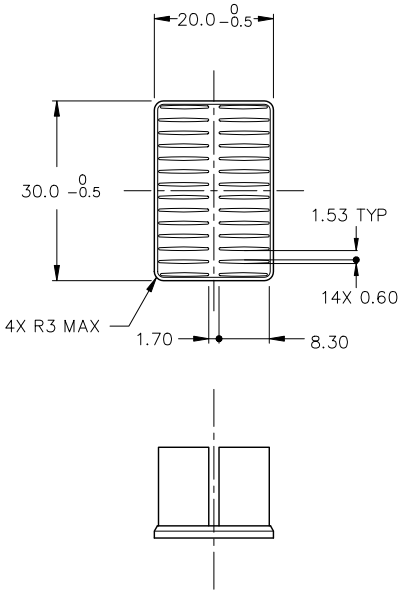
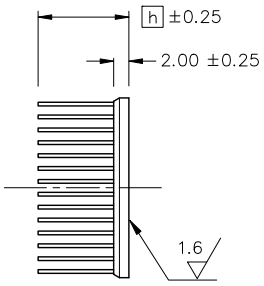
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB3020

DIM

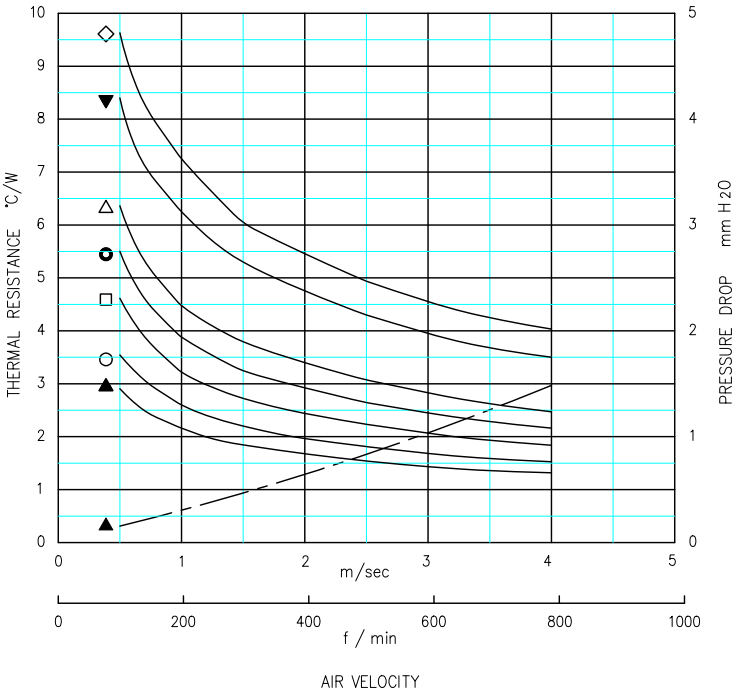




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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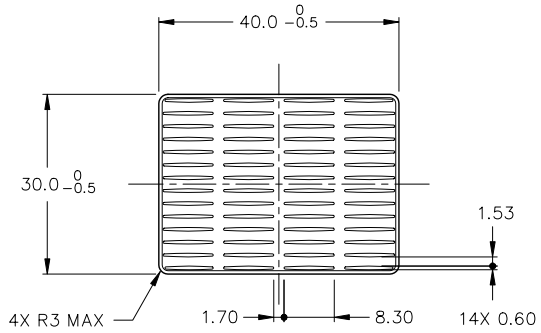
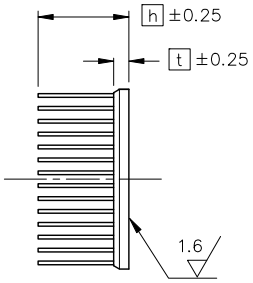
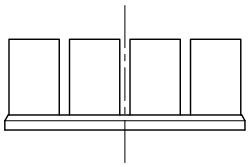
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB3040

DIM



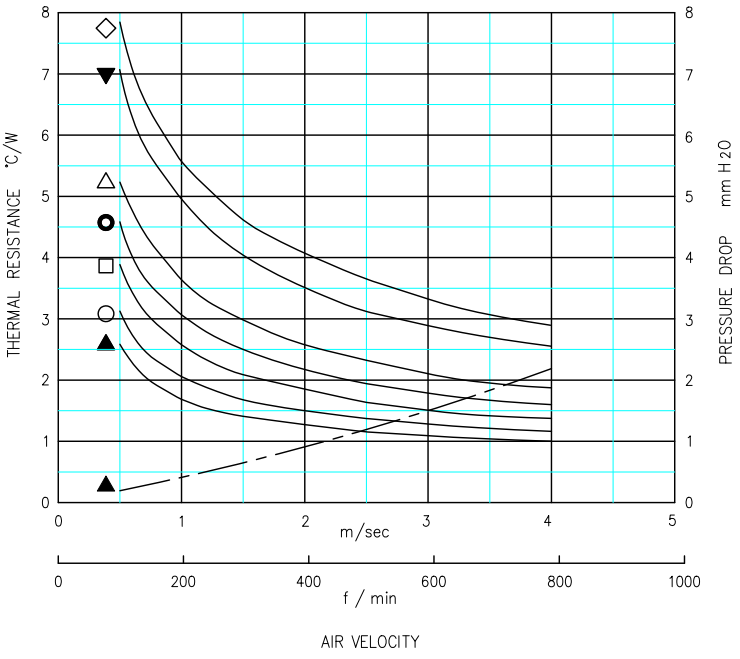




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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.
REFER TO TECHNICAL INFORMATION.

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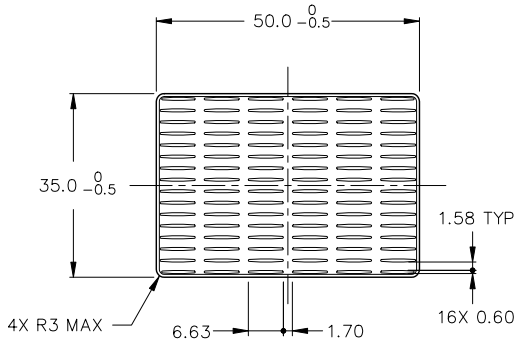
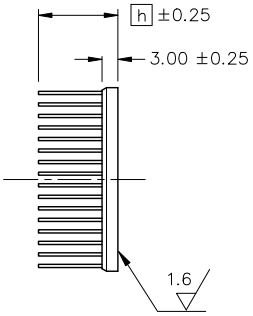
ALPHA

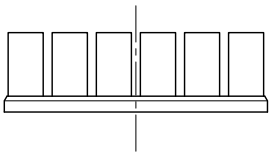
Low Pressure Drop and Low Thermal Resistance Heat Sink

UB3550

DIM



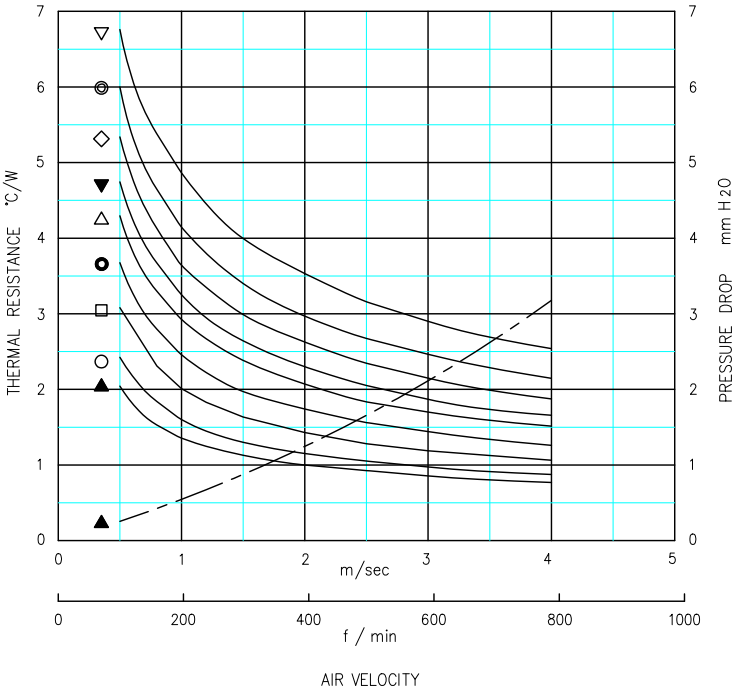




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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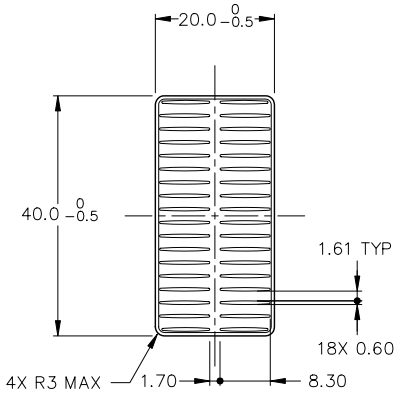
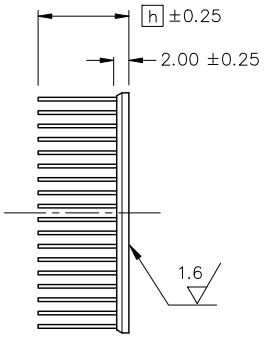
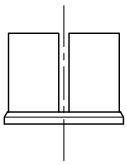
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB4020

DIM



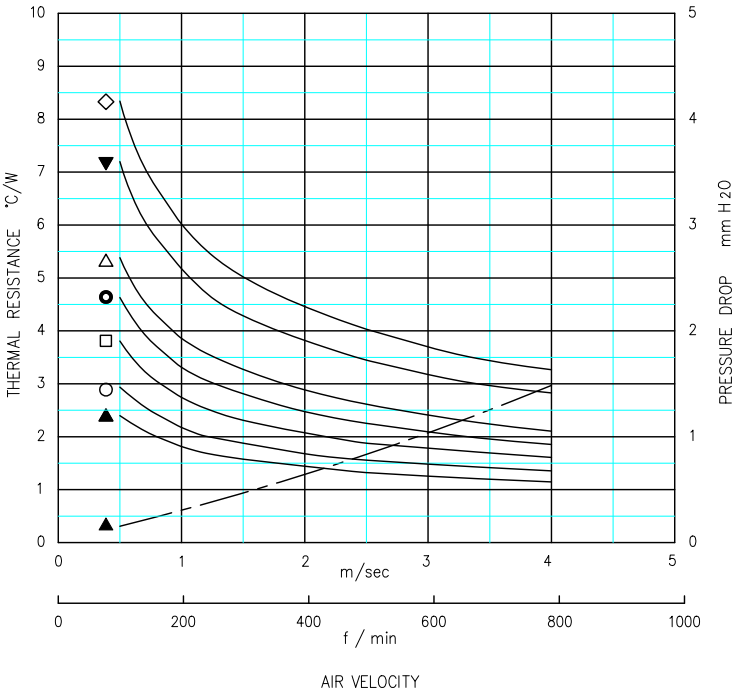




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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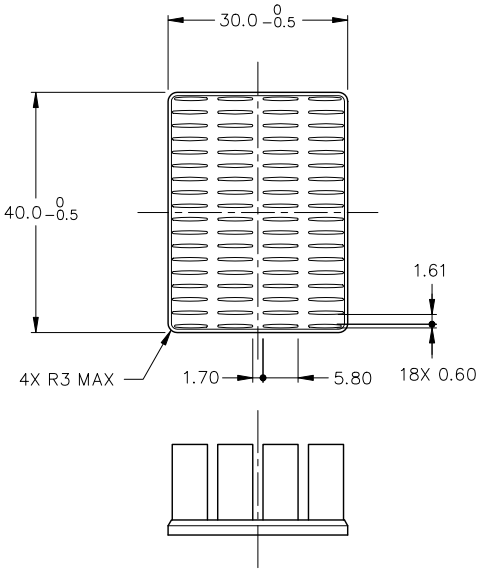
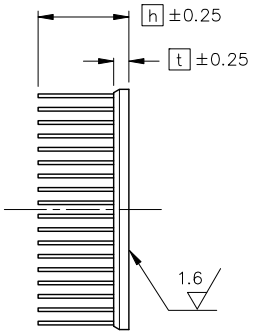
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB4030

DIM

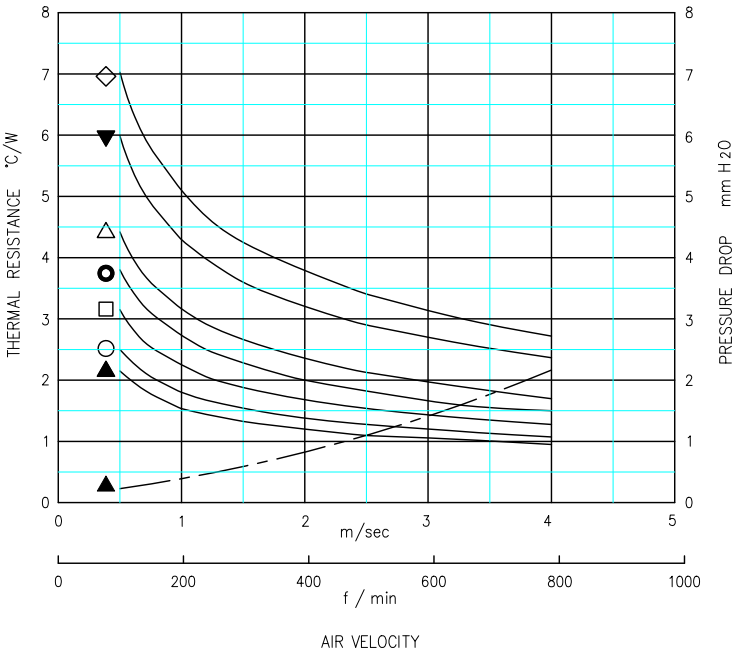




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB4030-6B	6	2.00	8.5
UB4030-7B	7		9.1
UB4030-10B	10	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.
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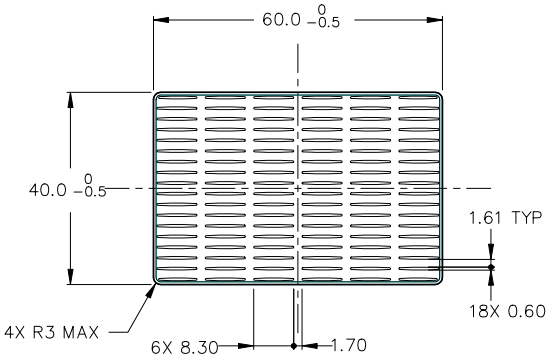
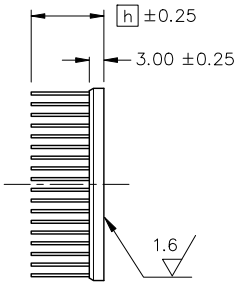
ALPHA

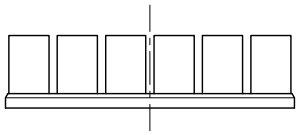
Low Pressure Drop and Low Thermal Resistance Heat Sink

UB4060

DIM



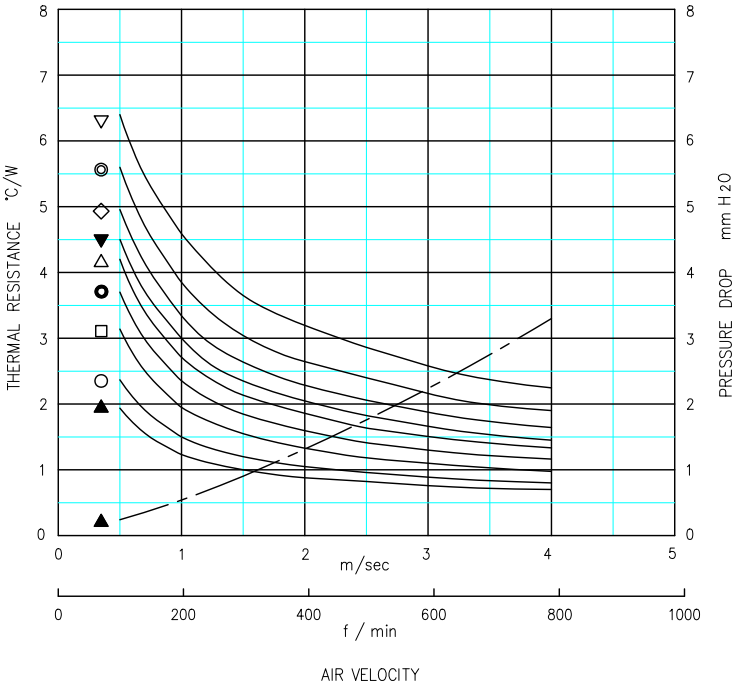




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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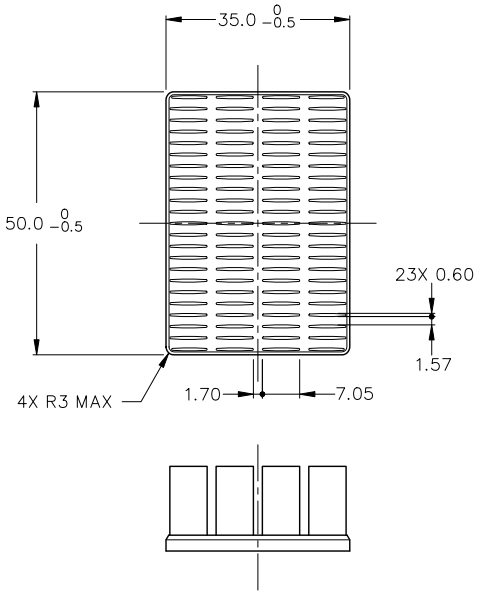
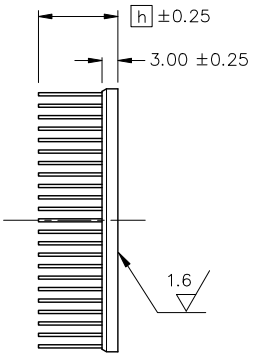
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB5035

DIM

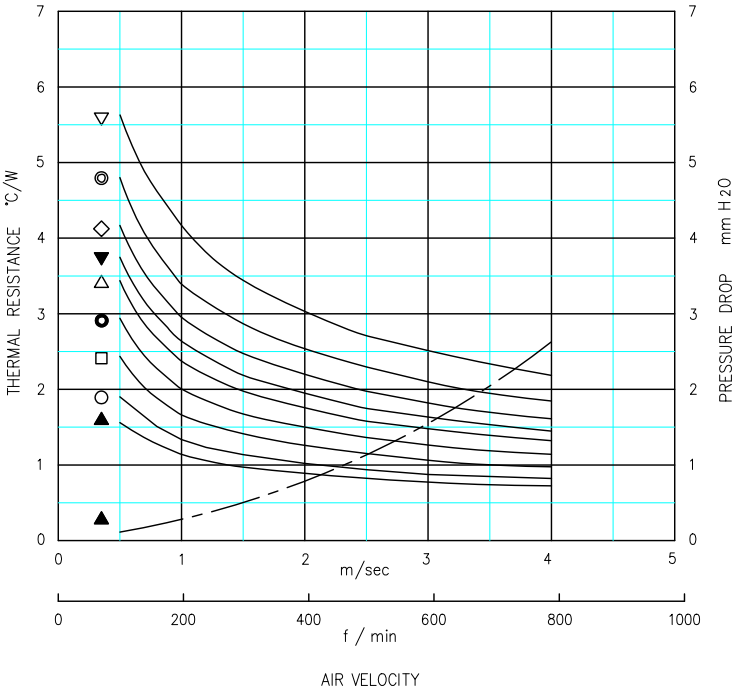




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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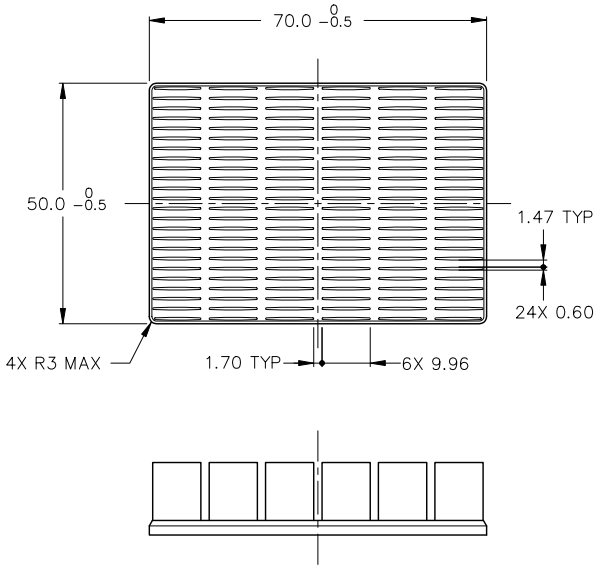
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB5070

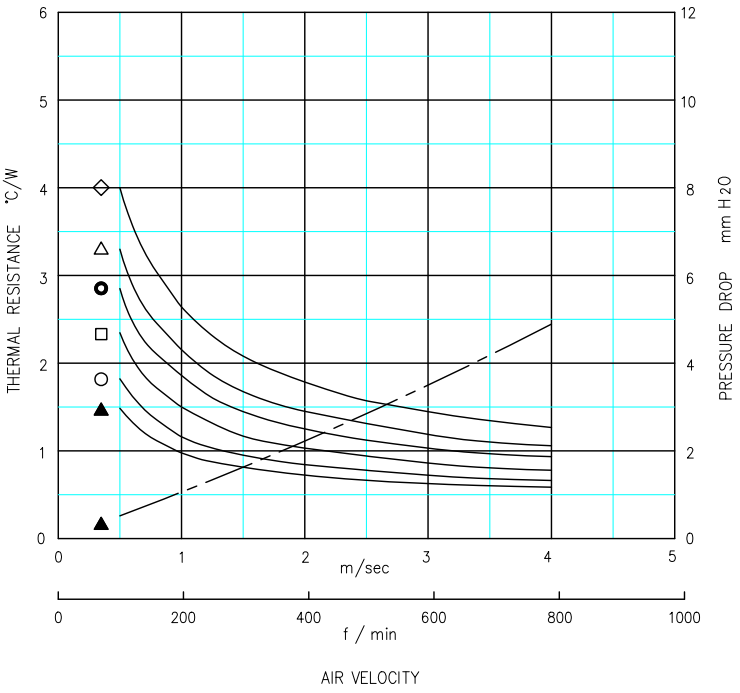
DIM



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 ——
PRESURE DROP — - —

■ BASED ON ALPHA'S STANDARD TEST PROCEDURE.
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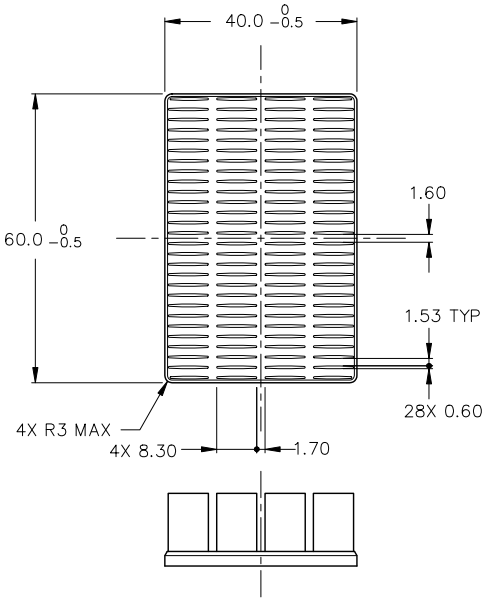
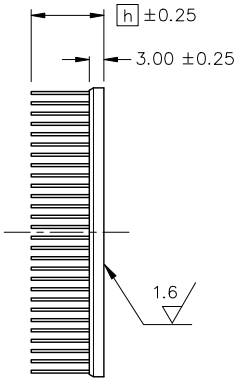
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB6040

DIM

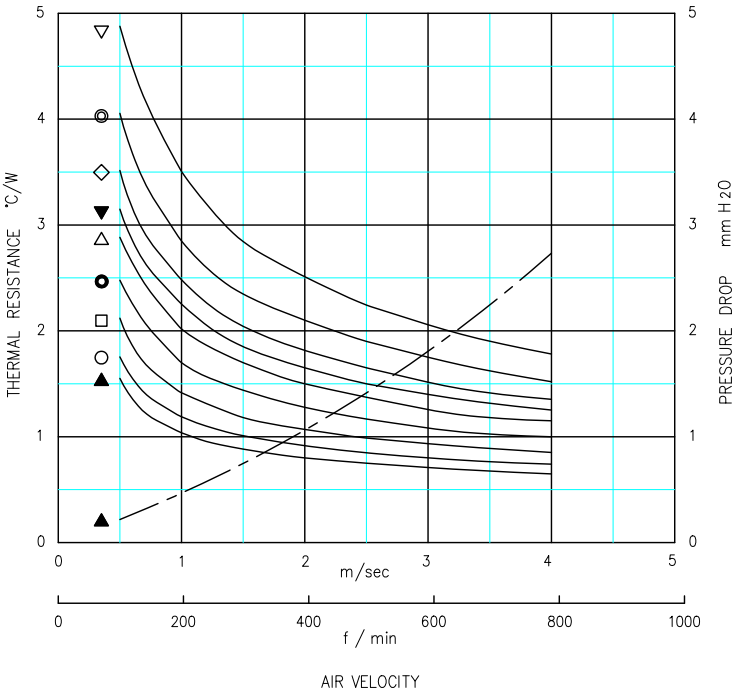




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

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

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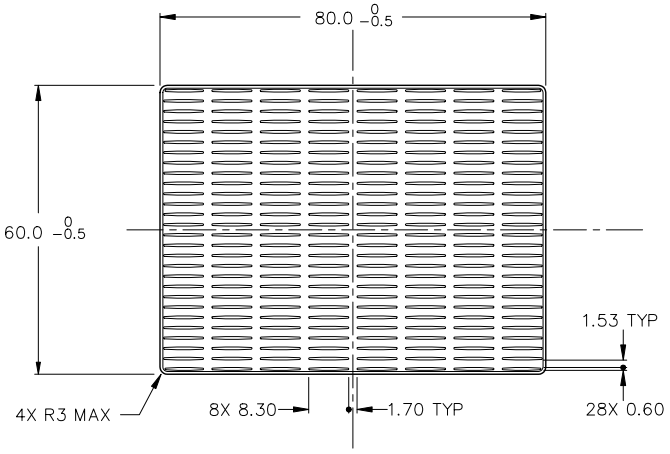
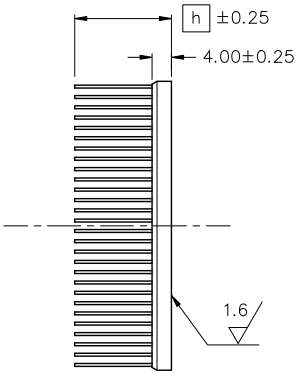
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink UB6080

DIM

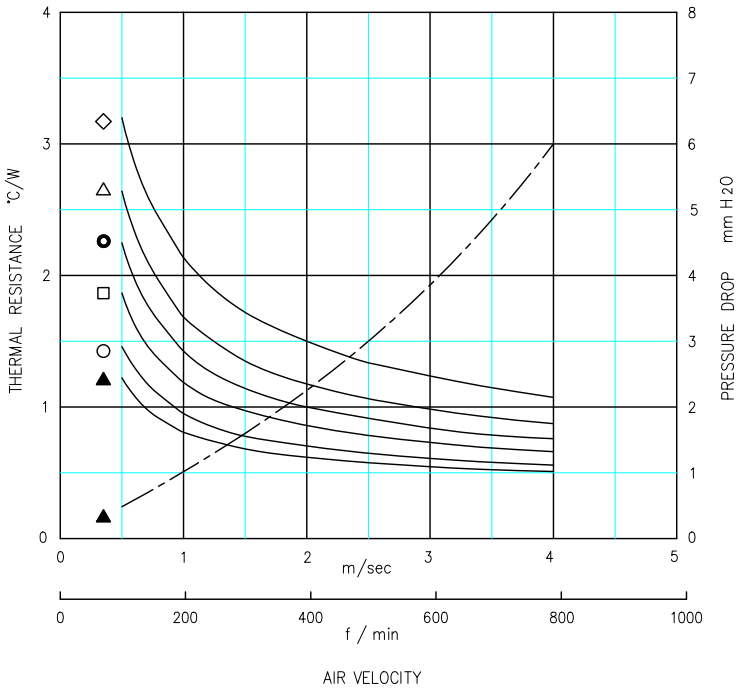




MODEL	HEATSINK HEIGHT [h]	WEIGHT (grams)
UB6080-8B	8	61.6
UB6080-10B	10	66.7
UB6080-12B	12	71.9
UB6080-15B	15	79.5
UB6080-20B	20	92.3
UB6080-25B	25	105.1

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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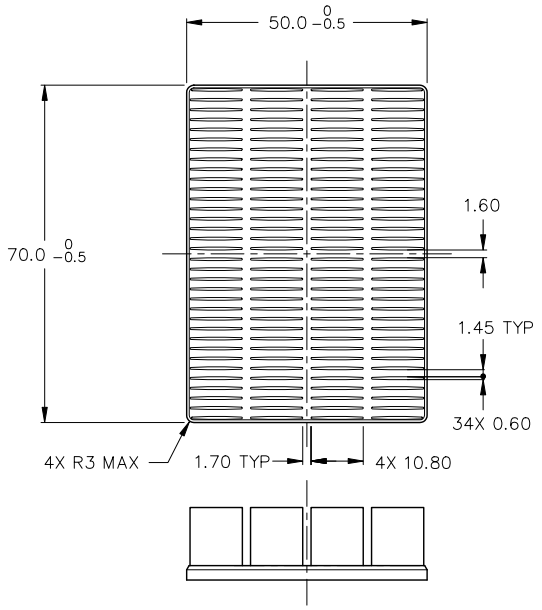
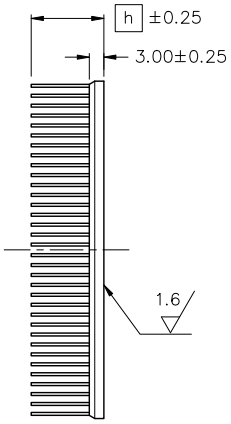
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB7050

DIM

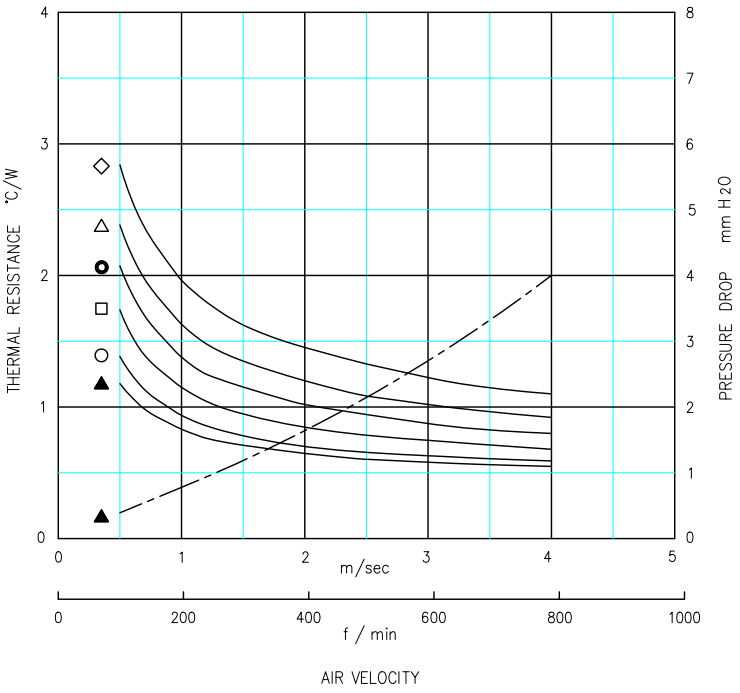




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

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 ——————
PRESURE DROP —— - ——

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

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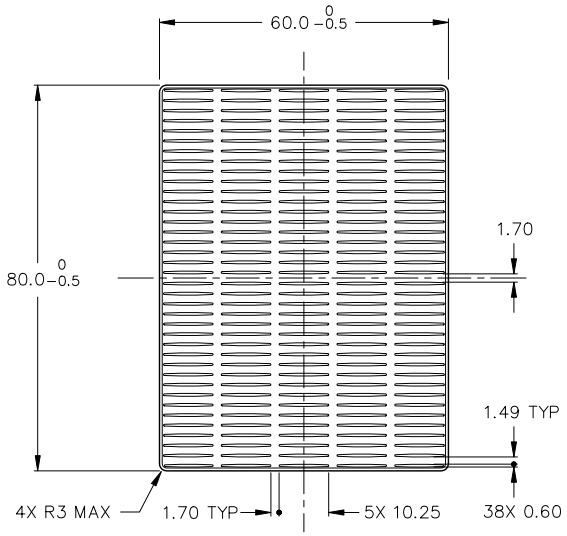
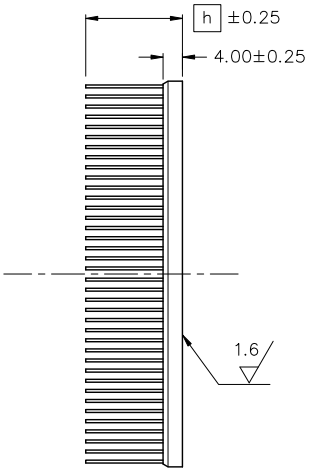
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB8060

DIM

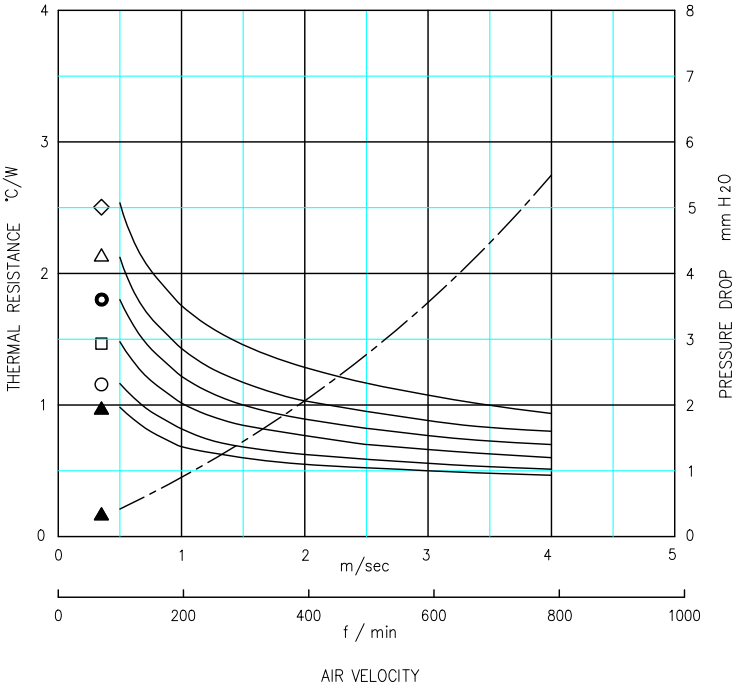




MODEL	HEATSINK HEIGHT [h]	WEIGHT (grams)
UB8060-8B	8	62.2
UB8060-10B	10	67.5
UB8060-12B	12	72.9
UB8060-15B	15	81.0
UB8060-20B	20	94.4
UB8060-25B	25	107.9

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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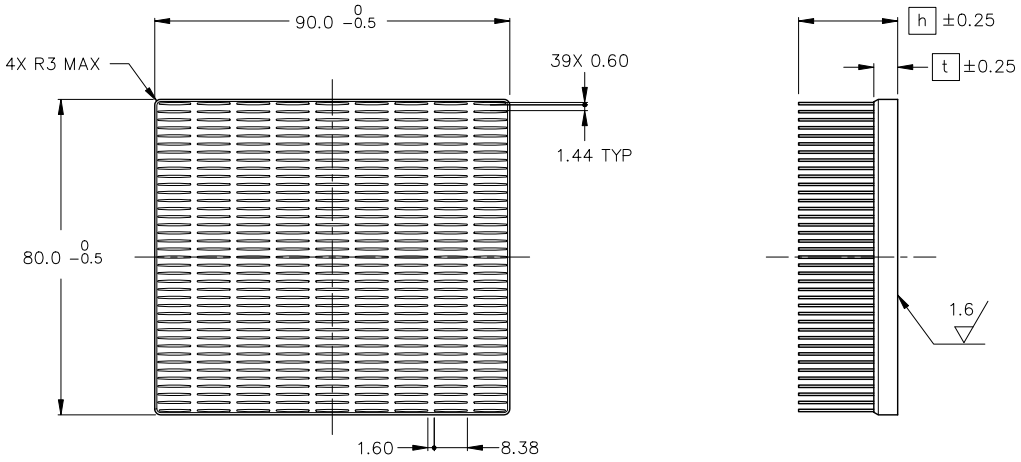
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB8090

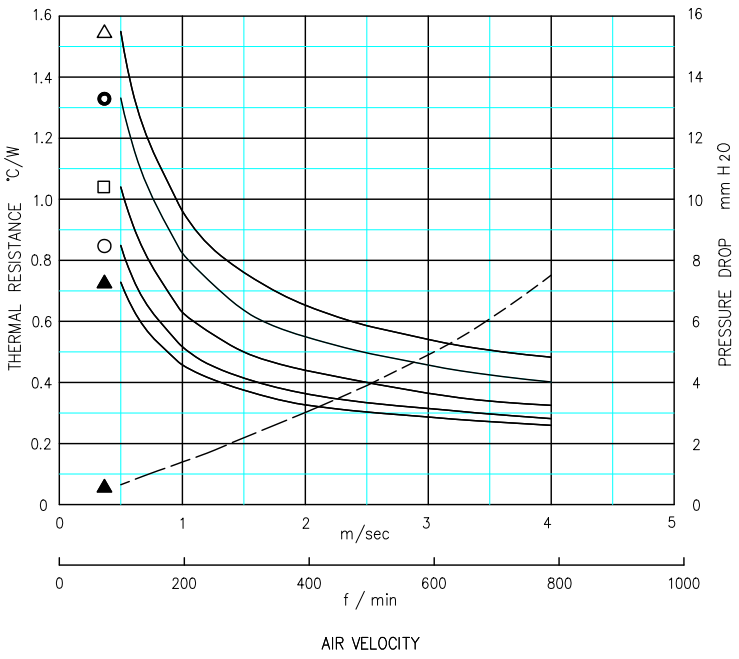
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB8090−12B	12	4.00	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	−

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



△ 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.
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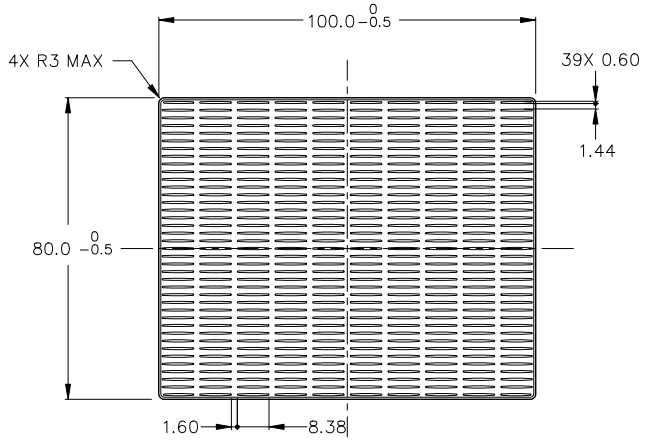
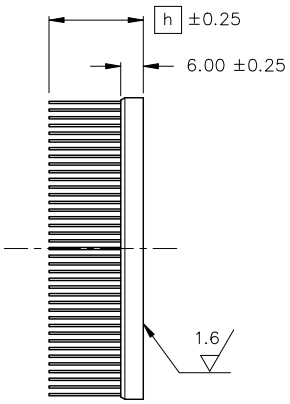
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB80100

DIM

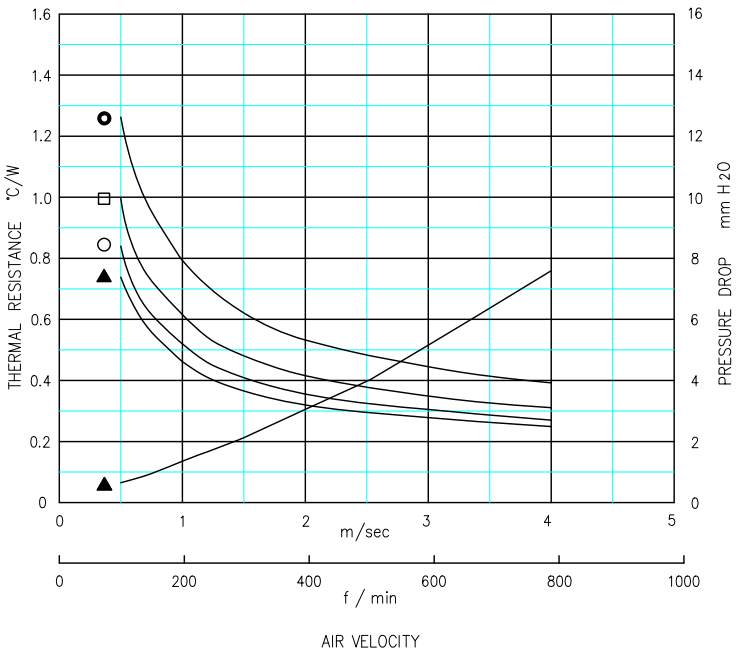




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	WEIGHT (grams)
UB80100-15B	15	169.2
UB80100-20B	20	191.7
UB80100-25B	25	214.2
UB80100-30B	30	236.7

DATA



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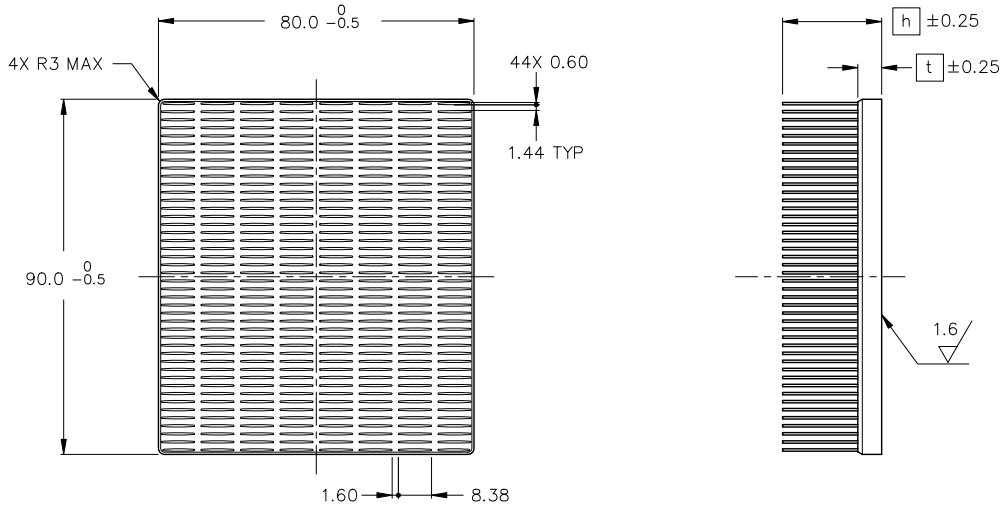
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB9080

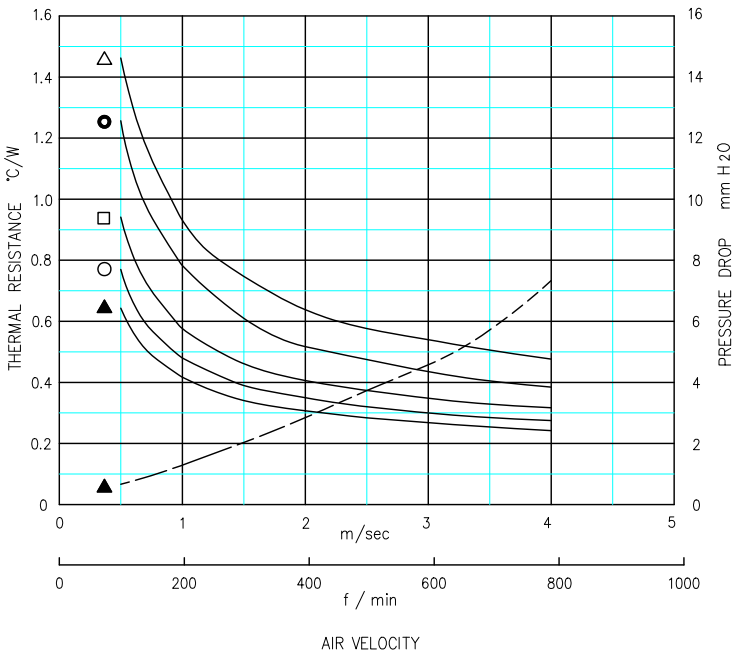
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
UB9080-12B	12	4.00	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



△ UB9080-12B
● 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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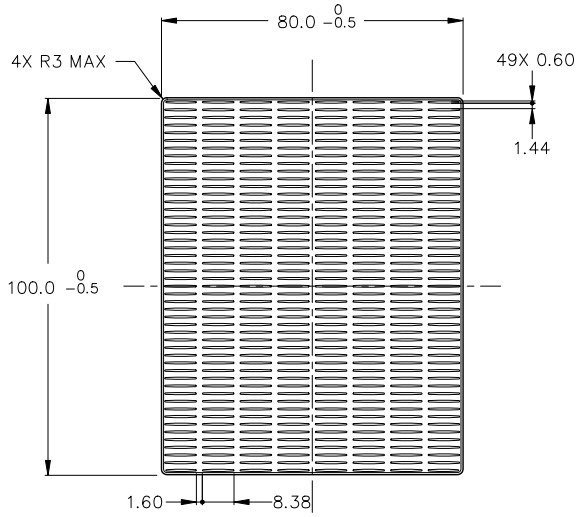
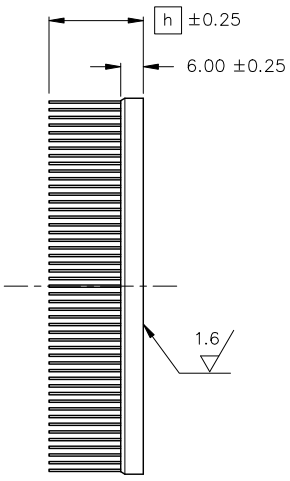
ALPHA

Low Pressure Drop and Low Thermal Resistance Heat Sink

UB10080

DIM

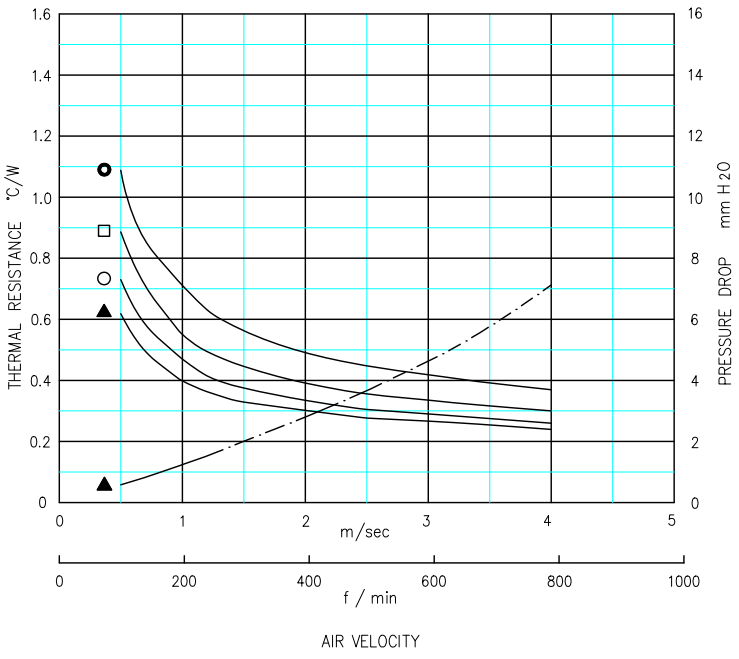




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	WEIGHT (grams)
UB10080-15B	15	169.4
UB10080-20B	20	192.1
UB10080-25B	25	214.7
UB10080-30B	30	237.3

DATA



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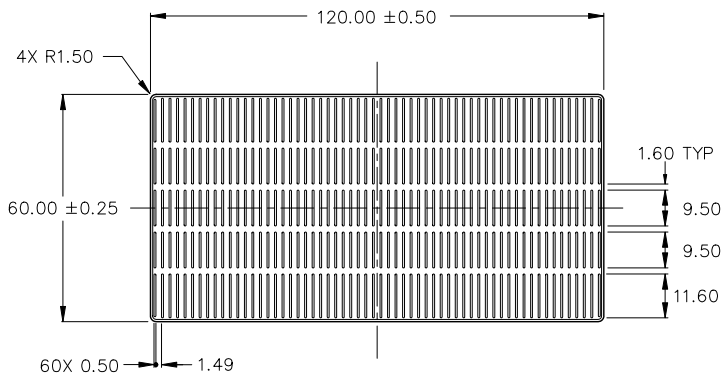
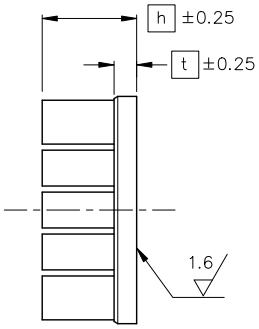
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB12060

DIM

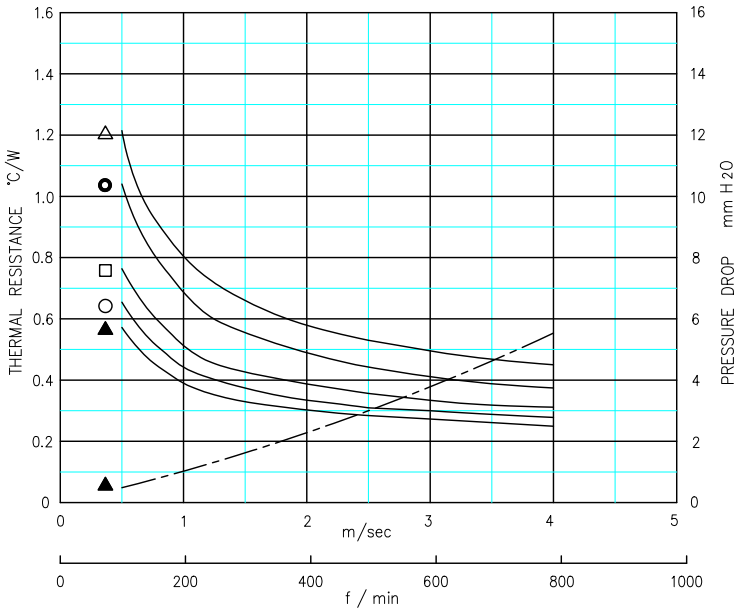




MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
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] ≦ 12	5.00	–
	12 < [h] ≦ 30	6.00	–

DATA



△ 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.
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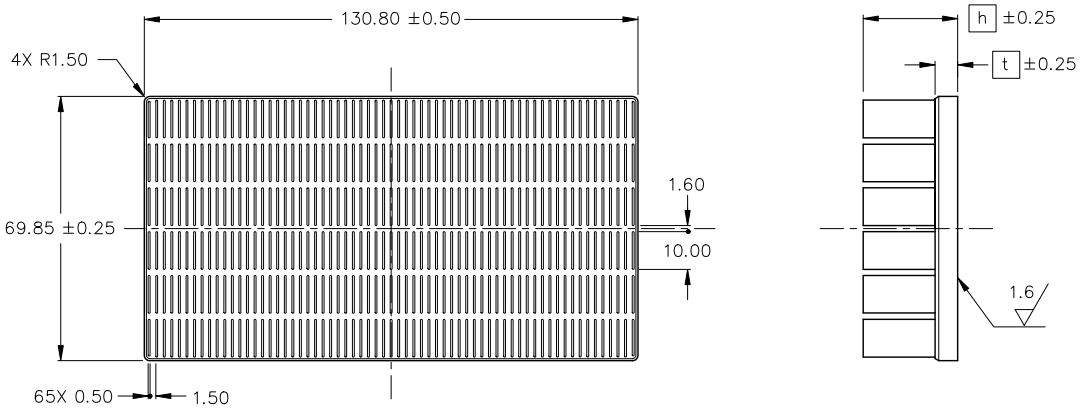
ALPHA Low Pressure Drop and Low Thermal Resistance Heat Sink UB13070

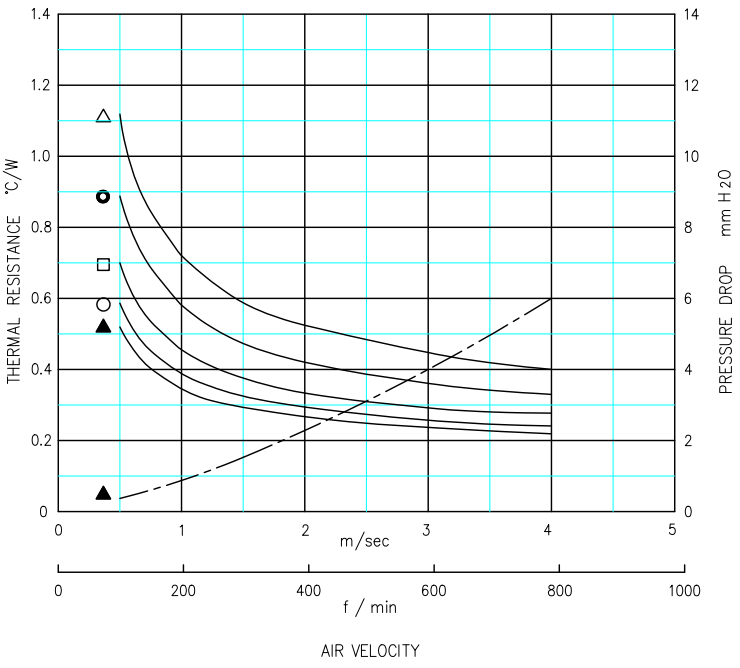
DIM



MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
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] ≦ 12	5.00	–
	12 < [h] ≦ 30	6.00	–

MATERIAL : A6063
FINISH : BLACK ANODIZE
DIMENSIONS : mm

DATA



△ 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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