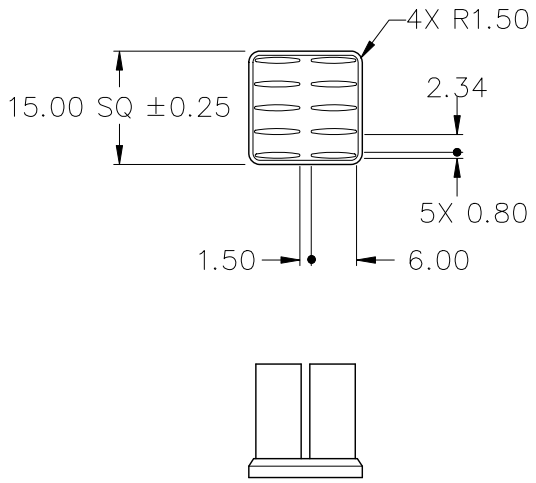
W Series

High – Efficiency Heat Sink

ALPHA

ALPHA High – Efficiency Heat Sink W15

DIM

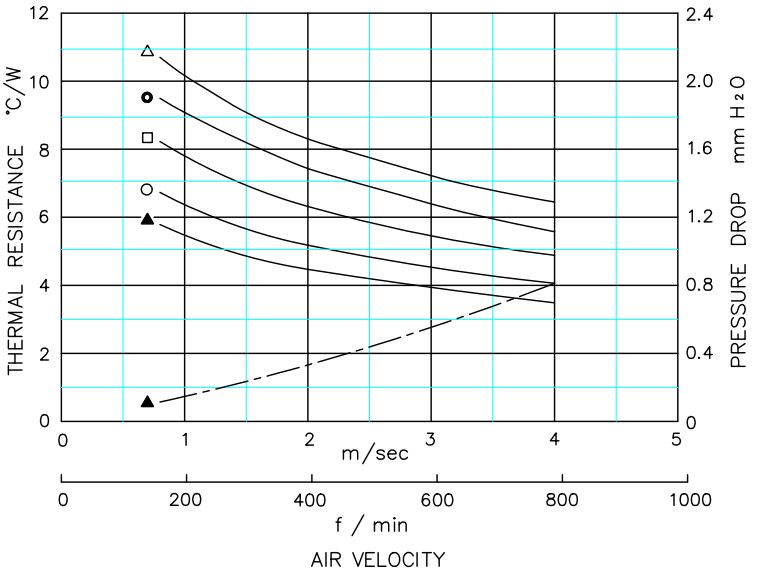


MODEL	HEIGHT [h]	WEIGHT (grams)
W15–10W	10	1.9
W15–12W	12	2.1
W15–15W	15	2.4
W15–20W	20	2.9
W15–25W	25	3.4

MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



● Thermal Resistance (Ducted)
(Solid Line ———)
● Pressure Drop
(Center Line —·—)

△ W15–10W
◎ W15–12W
□ W15–15W
○ W15–20W
▲ W15–25W

■ Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □12.7(mm)

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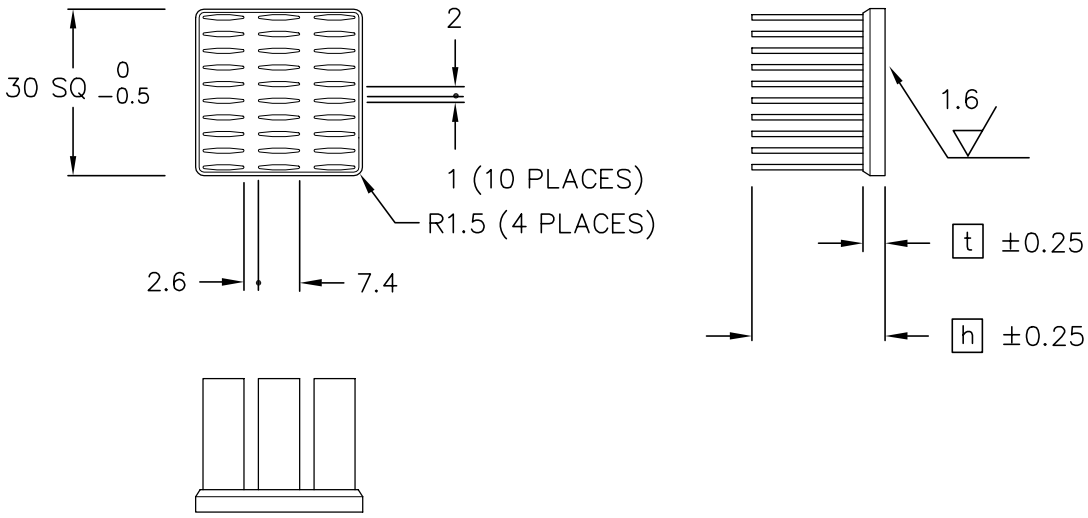
ALPHA High – Efficiency Heat Sink W30

DIM

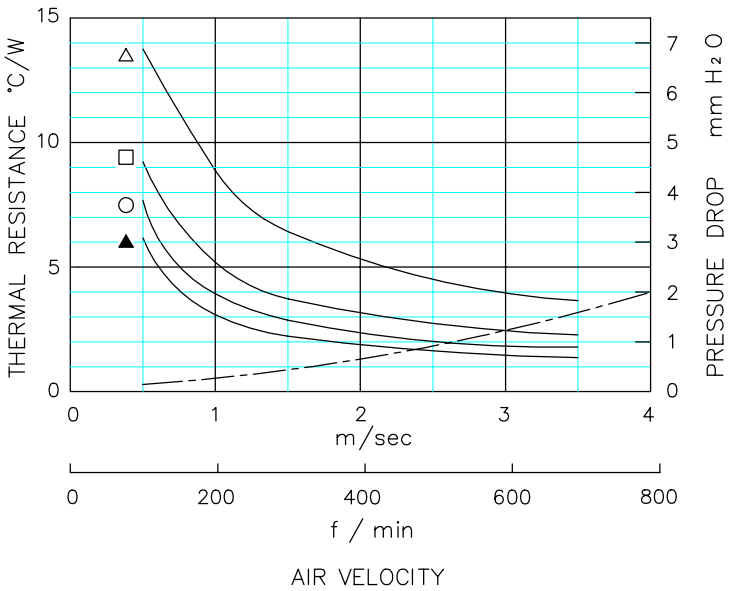


MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W30−10W	10	2	8.5
W30−15W	15	2	11.0
W30−20W	20	2.5	14.0
W30−25W	25	2.5	16.5

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line ———)
- Pressure Drop (Center Line —·—)

△ W30−10W
□ W30−15W
○ W30−20W
▲ W30−25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 25.0(mm)

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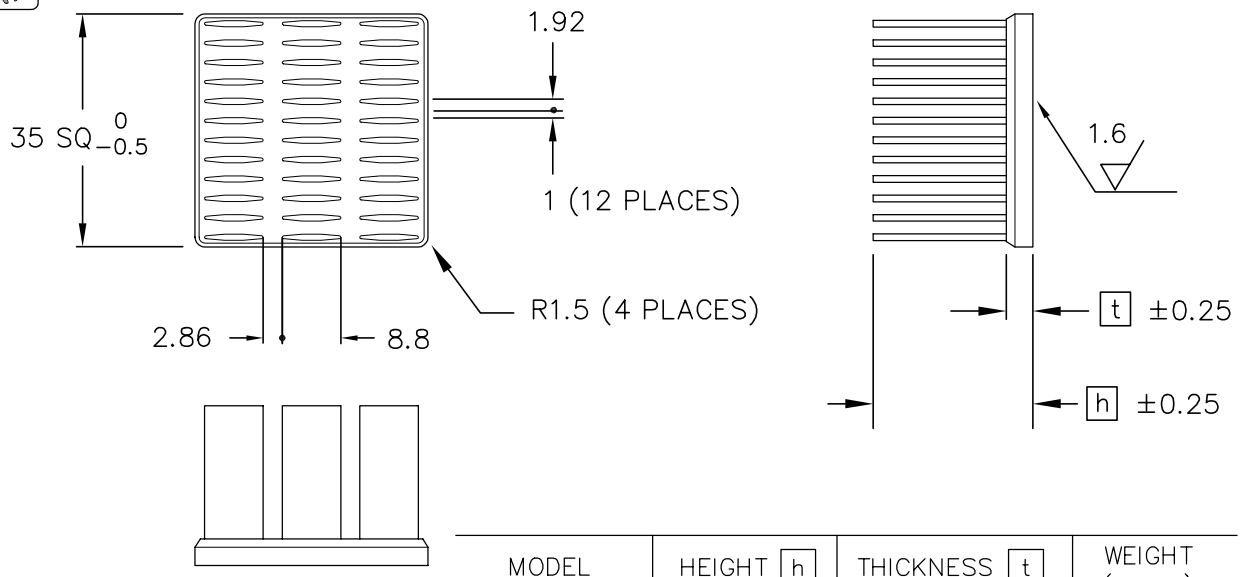
ALPHA High – Efficiency Heat Sink W35

DIM

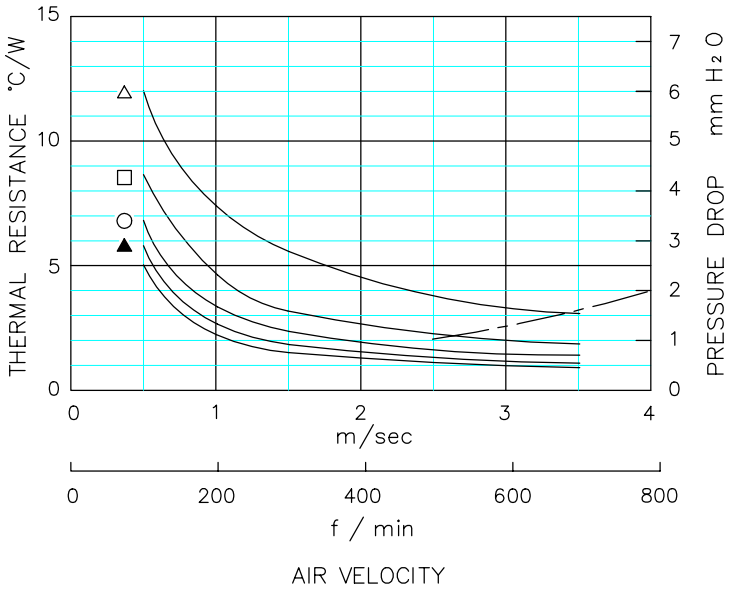


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W35–10W	10	2	12.0
W35–15W	15	2	15.0
W35–20W	20	2.5	19.5
W35–25W	25	2.5	23.0

Dimensions : mm

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line ———)
- Pressure Drop (Center Line — - —)

△ W35–10W
□ W35–15W
○ W35–20W
▲ W35–25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 25.0(mm)

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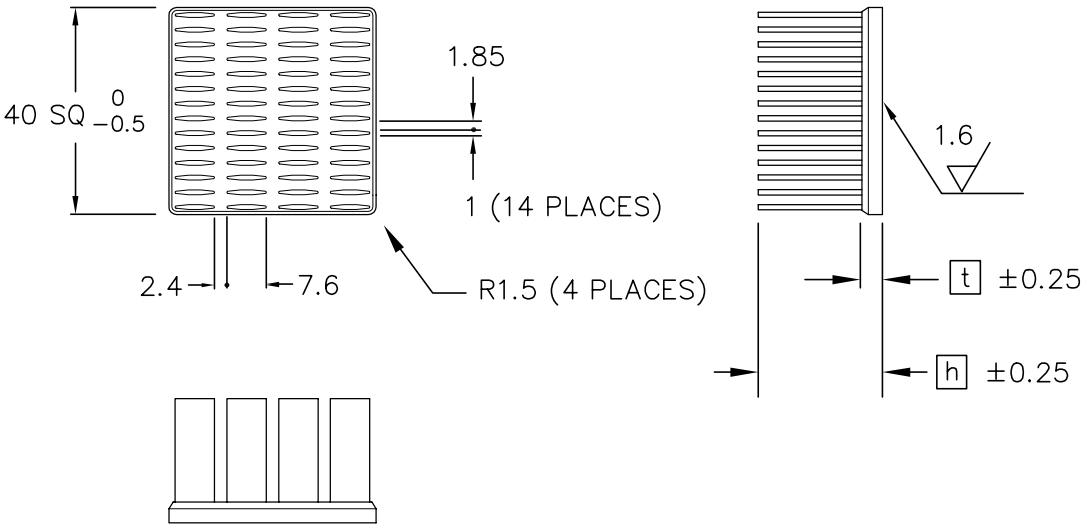
ALPHA High – Efficiency Heat Sink W40

DIM

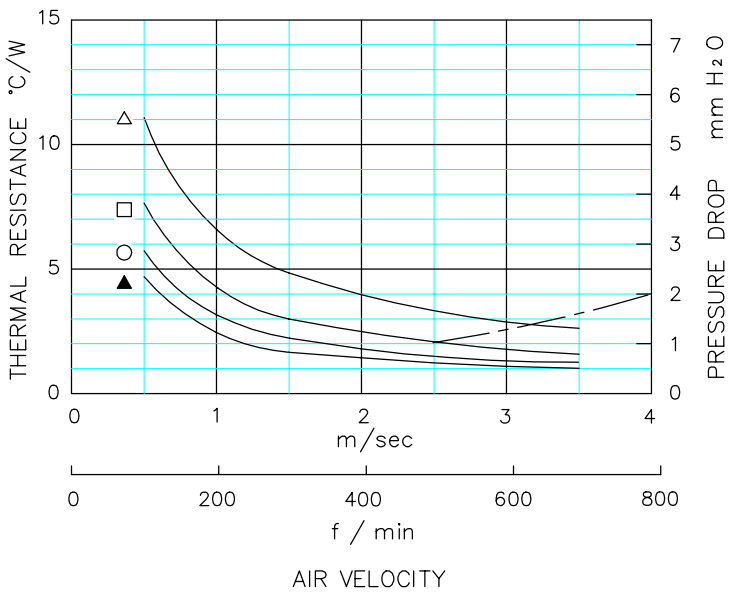


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W40−10W	10	2	15.5
W40−15W	15	2	20.0
W40−20W	20	2.5	26.0
W40−25W	25	2.5	30.5

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line ———)
- Pressure Drop (Center Line — - —)

△ W40−10W
□ W40−15W
○ W40−20W
▲ W40−25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

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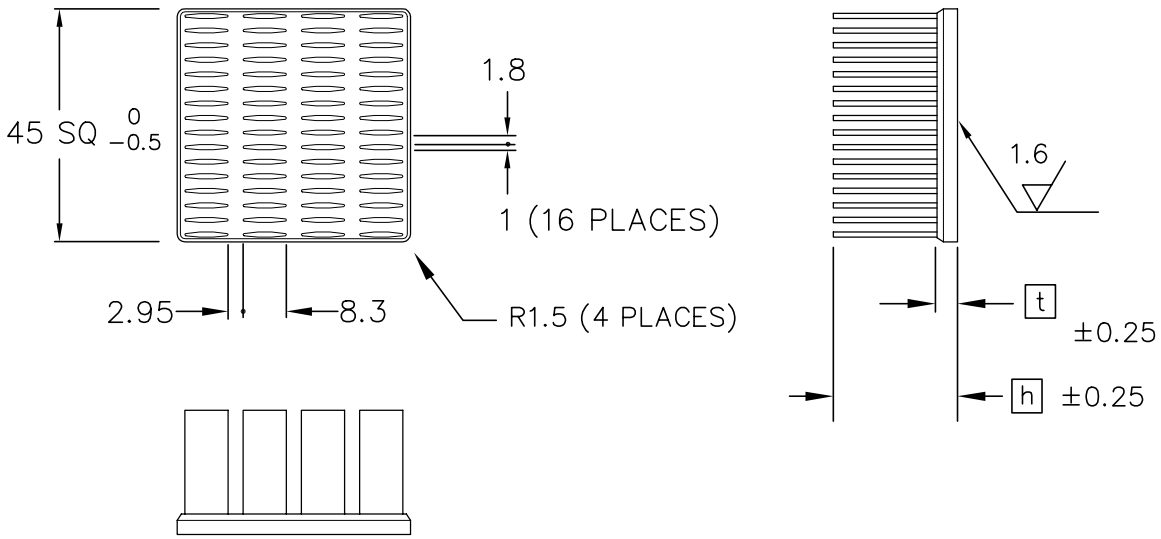
ALPHA High – Efficiency Heat Sink W45

DIM

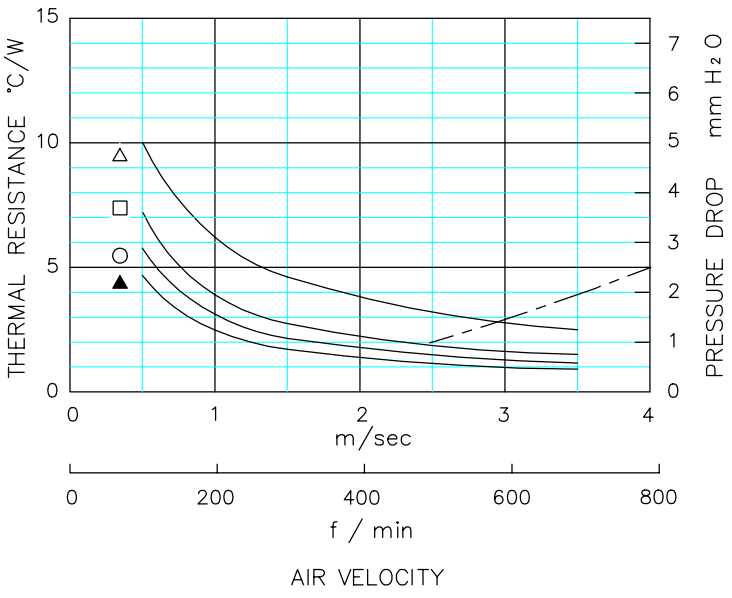


HEAT SINK
MATERIAL : DATA6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W45−10W	10	2	19.5
W45−15W	15	2	25.0
W45−20W	20	2.5	33.0
W45−25W	25	2.5	38.5

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line ———)
- Pressure Drop (Center Line — - —)

△ W45−10W
□ W45−15W
○ W45−20W
▲ W45−25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

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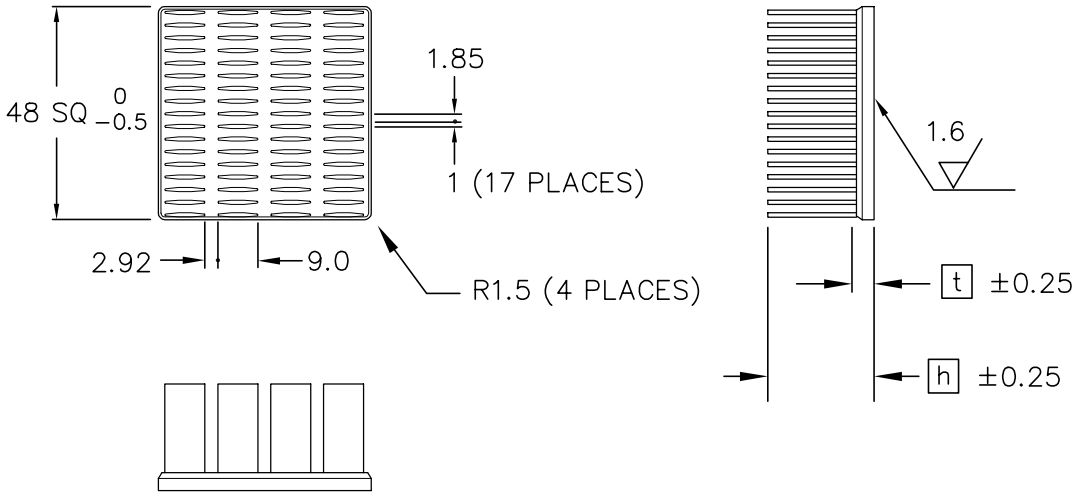
ALPHA High – Efficiency Heat Sink W48

DIM

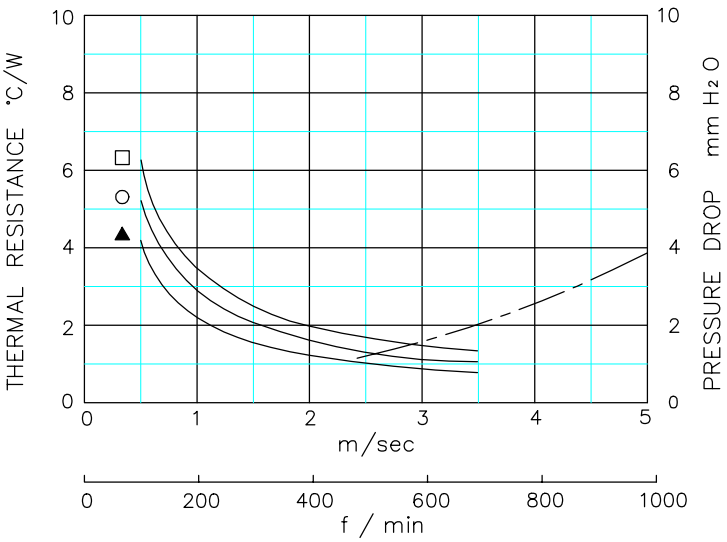


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W48−15W	15	2	29.5
W48−20W	20	2.5	39.0
W48−25W	25	2.5	45.0

Dimensions : mm

DATA



● Thermal Resistance (Wind Tunnel)
(Solid Line ———)
● Pressure Drop
(Center Line — - —)

□ W48−15W
○ W48−20W
▲ W48−25W

● Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

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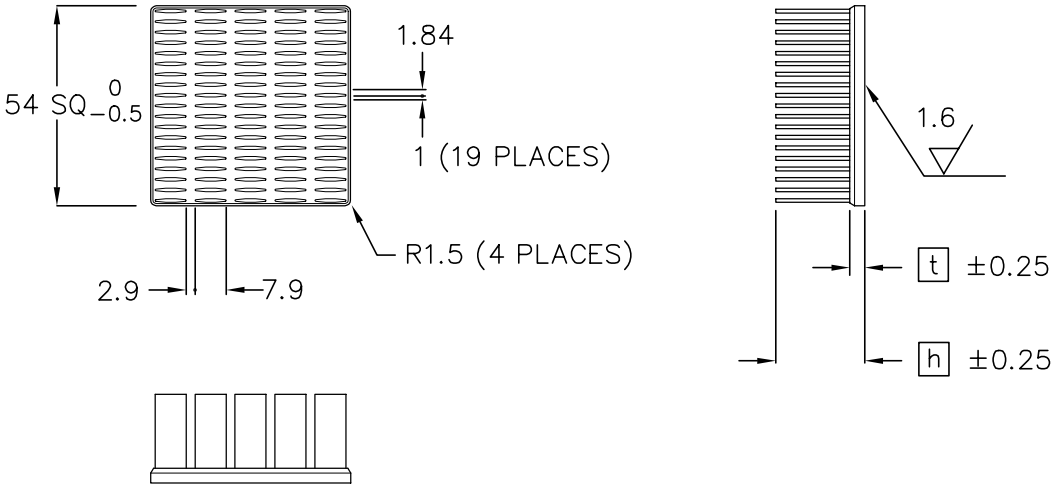
ALPHA High – Efficiency Heat Sink W54

DIM

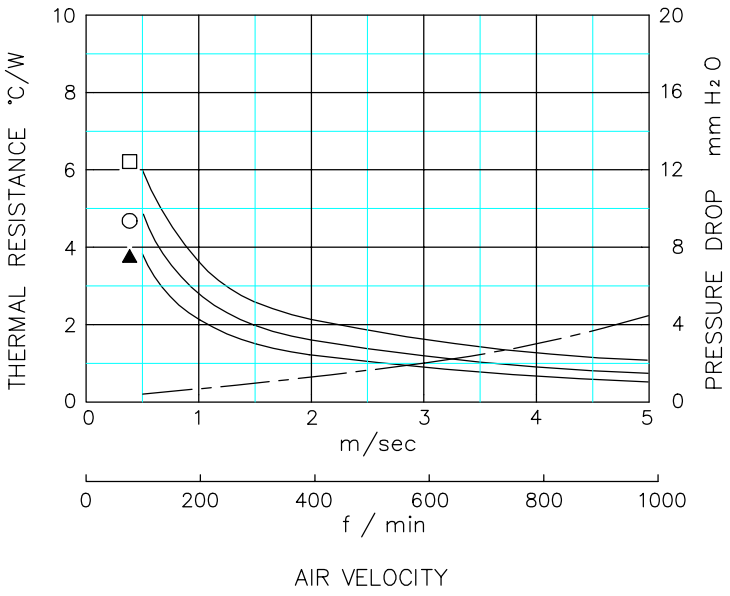


HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W54−15W	15	3	42.5
W54−20W	20	3	50.0
W54−25W	25	3.5	61.5

Dimensions : mm

DATA



- Thermal Resistance (Wind Tunnel) (Solid Line ———)
- Pressure Drop (Center Line — - —)

□ W54−15W
○ W54−20W
▲ W54−25W

Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
Dummy Heater Size : □ 35.0(mm)

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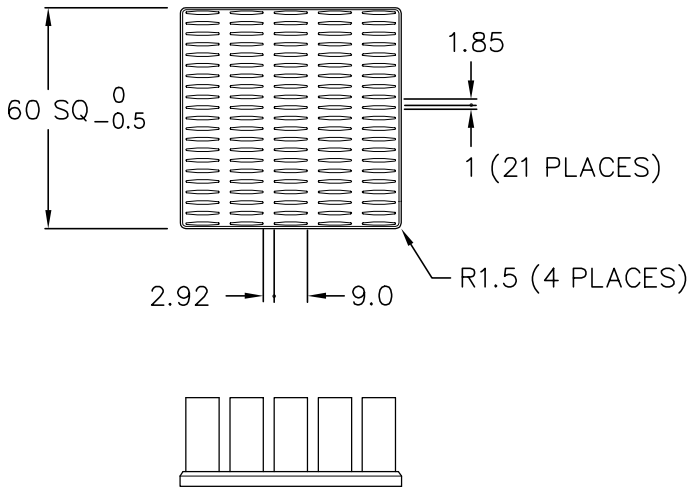
ALPHA High – Efficiency Heat Sink W60

DIM

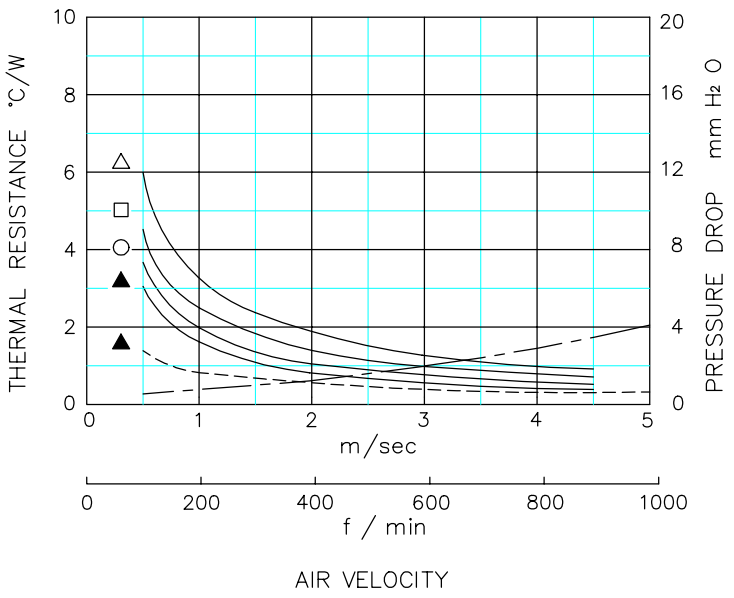


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W60−15W	15	3	54
W60−20W	20	3	64
W60−25W	25	3.5	78
W60−30W	30	4	92

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



- Thermal Resistance
  - Wind Tunnel
    (Solid Line ———)
  - Ducted
    (Broken Line − − − − −)
- Pressure Drop
  (Center Line —— - ——)

△ W60−15W
□ W60−20W
○ W60−25W
▲ W60−30W

- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
  Dummy Heater Size : □ 35.0(mm)

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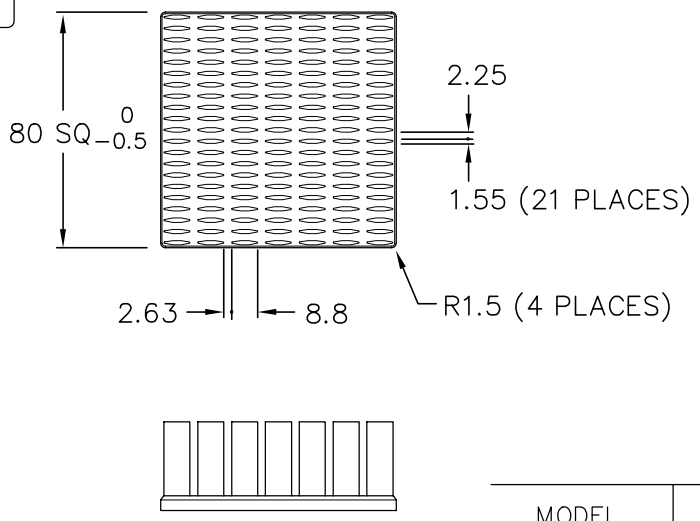
ALPHA High – Efficiency Heat Sink W80

DIM

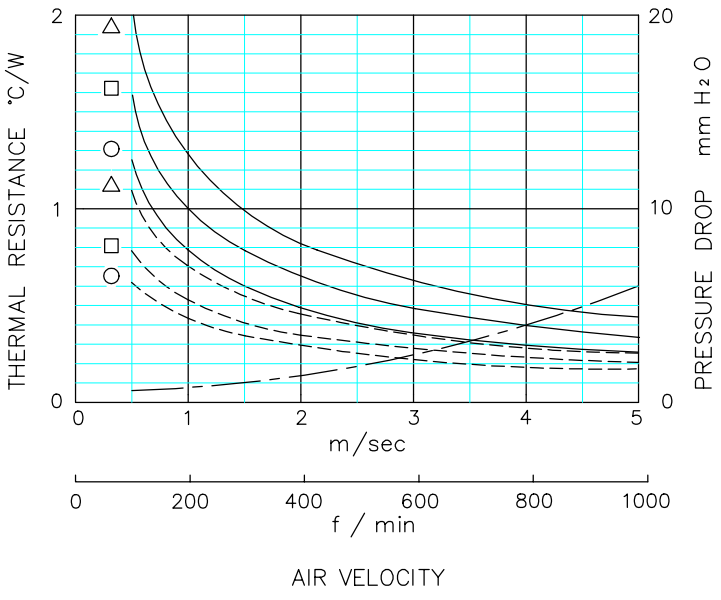


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W80−20W	20	6	158.5
W80−25W	25	6	179
W80−30W	30	6	199.5
W80−35W	35	7	233
W80−40W	40	7	253.5
W80−45W	45	7	274

Dimensions : mm

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

DATA



- Thermal Resistance
  - Wind Tunnel
  - (Solid Line ———)
  - Ducted
  - (Broken Line – – – – –)
- Pressure Drop
  - (Center Line —— - ——)

△ W80−25W
□ W80−35W
○ W80−45W

- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
  Dummy Heater Size : □ 70.0(mm)

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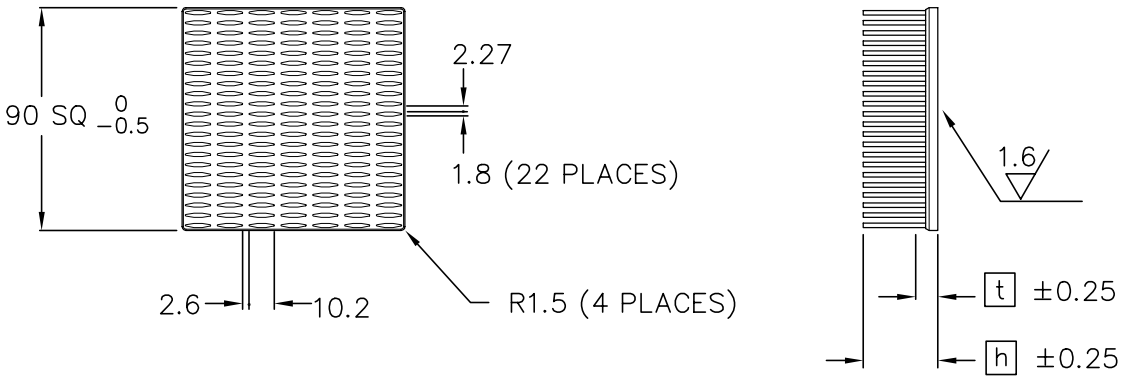
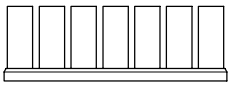
ALPHA High – Efficiency Heat Sink W90

DIM



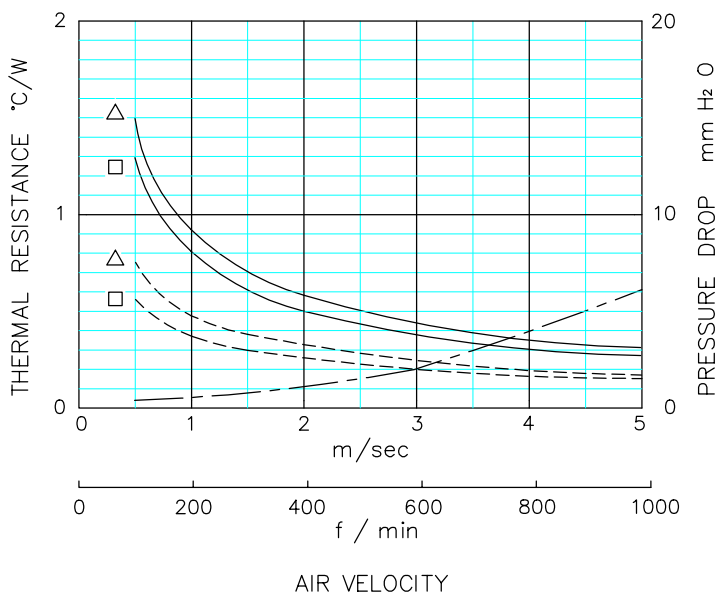


MODEL	HEIGHT h	THICKNESS t	WEIGHT (grams)
W90−20W	20	6	199
W90−25W	25	6	227
W90−30W	30	6	255
W90−35W	35	7	311
W90−40W	40	7	339
W90−45W	45	7	367

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



- Thermal Resistance
  - Wind Tunnel
    (Solid Line ———)
  - Ducted
    (Broken Line – – – – –)
- Pressure Drop
  (Center Line —— - ——)

△ W90−35W
□ W90−45W

- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
  Dummy Heater Size : □ 70.0(mm)

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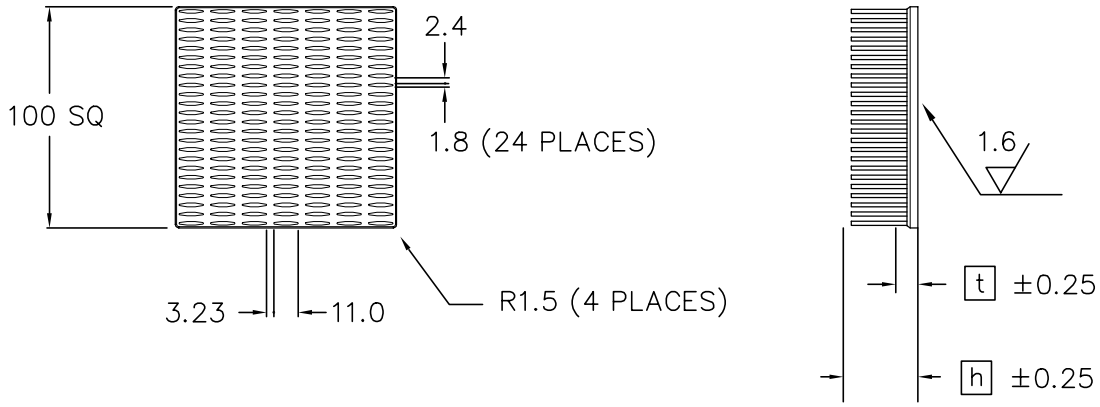
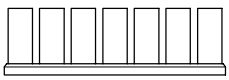
ALPHA High – Efficiency Heat Sink W100

DIM



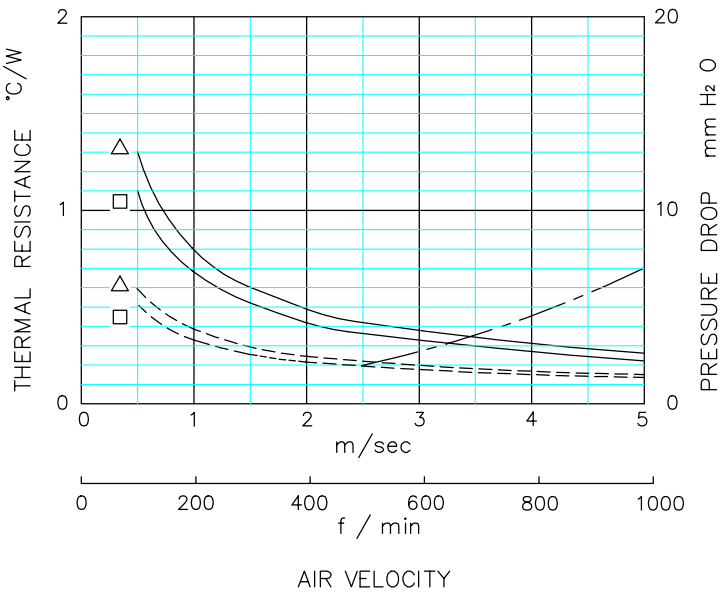


MODEL	HEIGHT [h]	THICKNESS [t]	WEIGHT (grams)
W100–20W	20	6	276
W100–25W	25	6	297
W100–30W	30	6	318
W100–35W	35	7	403
W100–40W	40	7	424
W100–45W	45	7	445

HEAT SINK
MATERIAL : A 6063
FINISH : CLEAR ANODIZE

Dimensions : mm

DATA



AIR VELOCITY

- Thermal Resistance
  - Wind Tunnel
  - (Solid Line ———)
  - Ducted
  - (Broken Line – – – – –)
- Pressure Drop
  - (Center Line —— - ——)

△ W100–35W
□ W100–45W

- Based on Alpha's Standard Test Procedure. (Refer to page marked Technical Information.)
  Dummy Heater Size : □ 70.0(mm)

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