



# HYBRID FORGE HEAT SINKS





# HBP Series



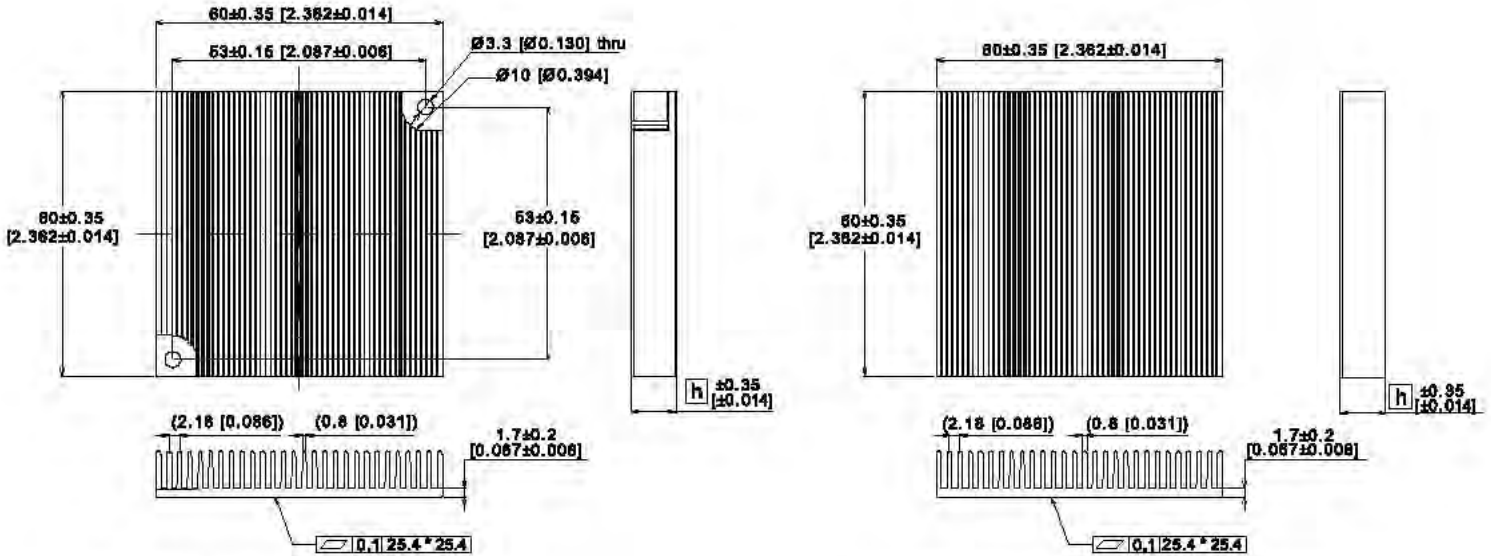
## Reference Table

REGO P/N	Base Size	Height
HBP06001-0617ZA	60 x 60	6.3
HBP06001-1017ZA		9.5
HBP06001-1317ZA		12.7
HBP07001-0617ZA	70 x 70	6.3
HBP07001-1017ZA		9.5
HBP07001-1317ZA		12.7
HBP08001-0617ZA	80 x 80	6.3
HBP08001-1017ZA		9.5
HBP08001-1317ZA		12.7
HBP09001-0617ZA	90 x 90	6.3
HBP09001-1017ZA		9.5
HBP09001-1317ZA		12.7
HBP10001-0617ZA	100 x 100	6.3
HBP10001-1017ZA		9.5
HBP10001-1317ZA		12.7



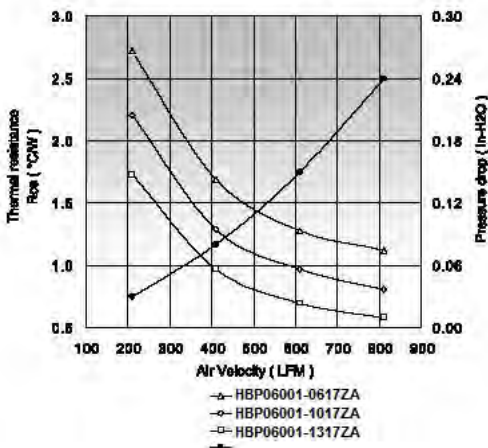
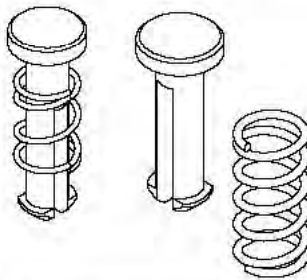
# HBP 60 Series Specification & Performance Data

1. Material : AL 6063
2. Finish : black anodize
3. All dimensions are in millimeter (mm) [inch].



**Attachment :**  
**Push pin : brass**  
**Wire Spring :**  
**Ø 0.5mm , music wire , nickel plating**

Model	Height (h)	Base (t)	Weight (grams)
HBP06001-0617ZA	6.3		35.1
HBP06001-1017ZA	9.5	1.7	48.2
HBP06001-1317ZA	12.7		61.3



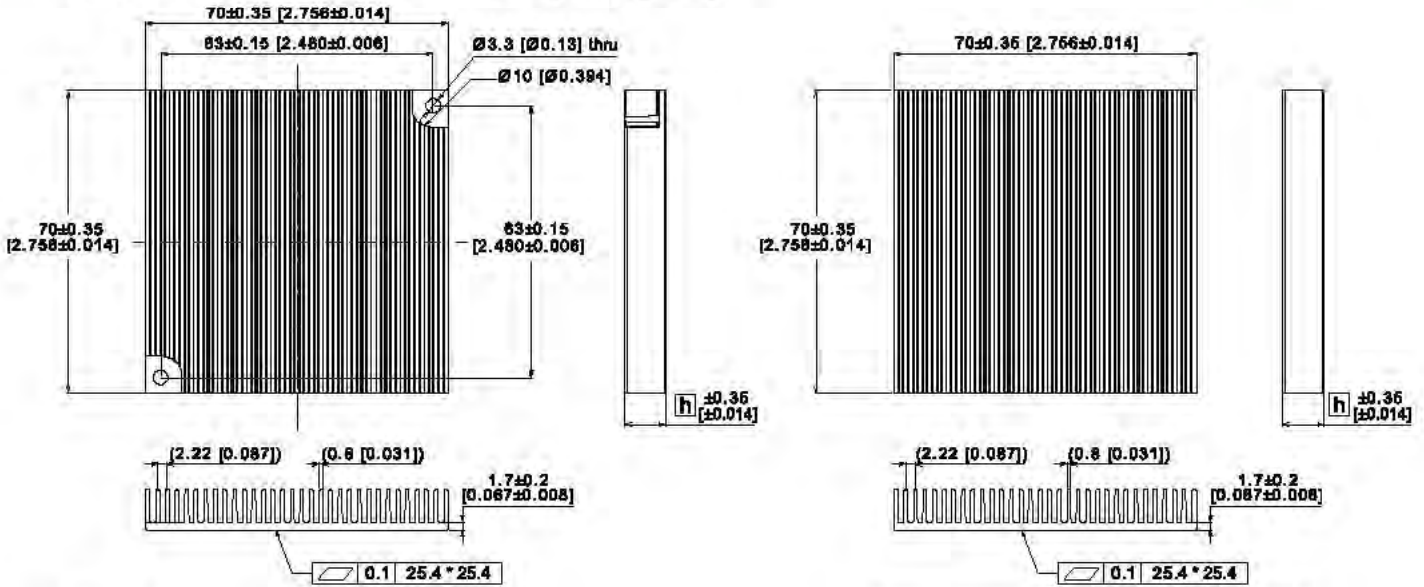
Model	Air Velocity / Rth (°C/W)			
	200 (LFM)	400 (LFM)	600 (LFM)	800 (LFM)
HBP06001-0617ZA	2.72	1.69	1.28	1.12
HBP06001-1017ZA	2.21	1.29	0.97	0.81
HBP06001-1317ZA	1.73	0.97	0.70	0.58

Heat Source (L\*W) : 37 x 37 mm



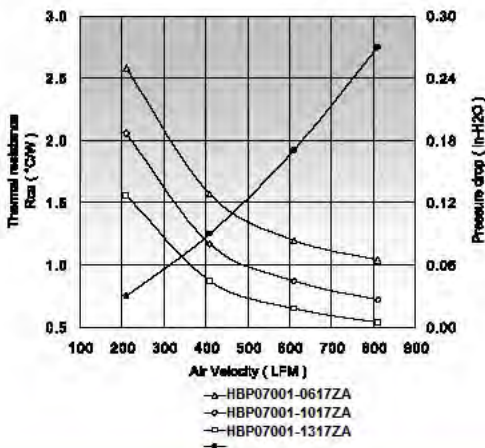
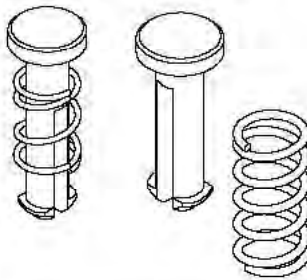
# HBP 70 Series Specification & Performance Data

1. Material : AL 6063
2. Finish : black anodize
3. All dimensions are in millimeter (mm) [inch].



**Attachment :**  
**Push pin : brass**  
**Wire Spring :**  
**Ø 0.5mm , music wire , nickel plating**

Model	Height (h)	Base (t)	Weight (grams)
HBP07001-0617ZA	6.3		47.2
HBP07001-1017ZA	9.5	1.7	64.7
HBP07001-1317ZA	12.7		82.2



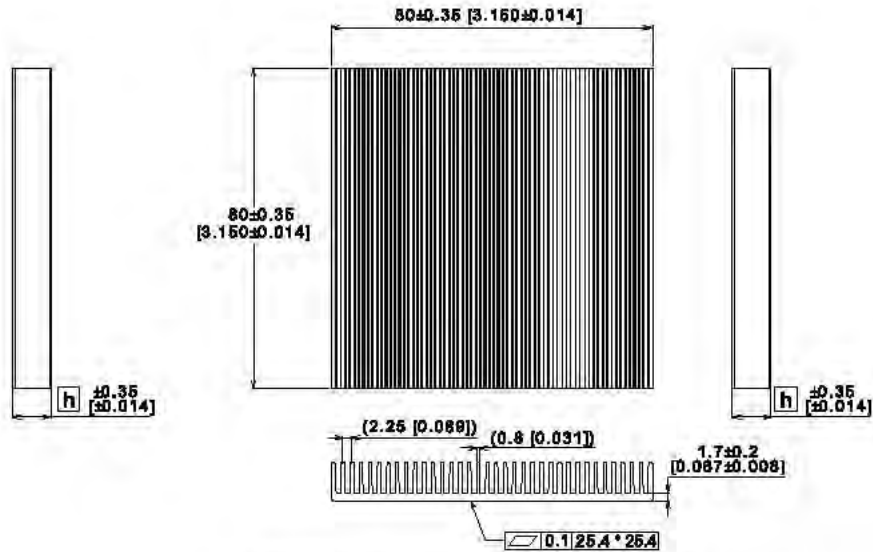
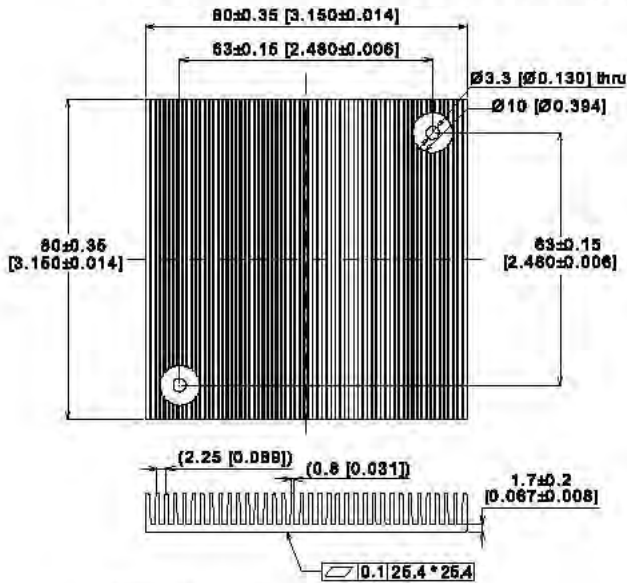
Model	Air Velocity / Rth (°C/W)			
	200 (LFM)	400 (LFM)	600 (LFM)	800 (LFM)
HBP07001-0617ZA	2.58	1.57	1.20	1.04
HBP07001-1017ZA	2.06	1.17	0.87	0.72
HBP07001-1317ZA	1.56	0.87	0.65	0.54

Heat Source (L\*W) : 37 x 37 mm



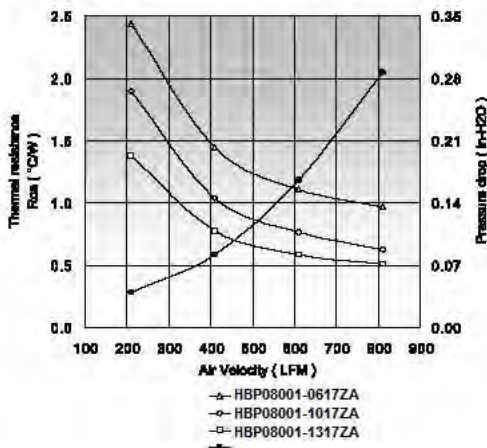
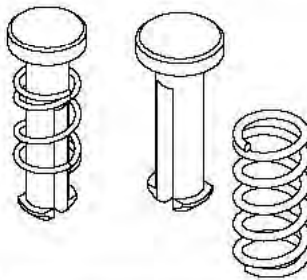
# HBP 80 Series Specification & Performance Data

1. Material : AL 6063
2. Finish : black anodize
3. All dimensions are in millimeter (mm) [inch].



Attachment :  
 Push pin : brass  
 Wire Spring :  
 Ø 0.5mm , music wire , nickel plating

Model	Height (h)	Base (t)	Weight (grams)
HBP08001-0617ZA	6.3		81.2
HBP08001-1017ZA	9.5	1.7	83.7
HBP08001-1317ZA	12.7		106.2



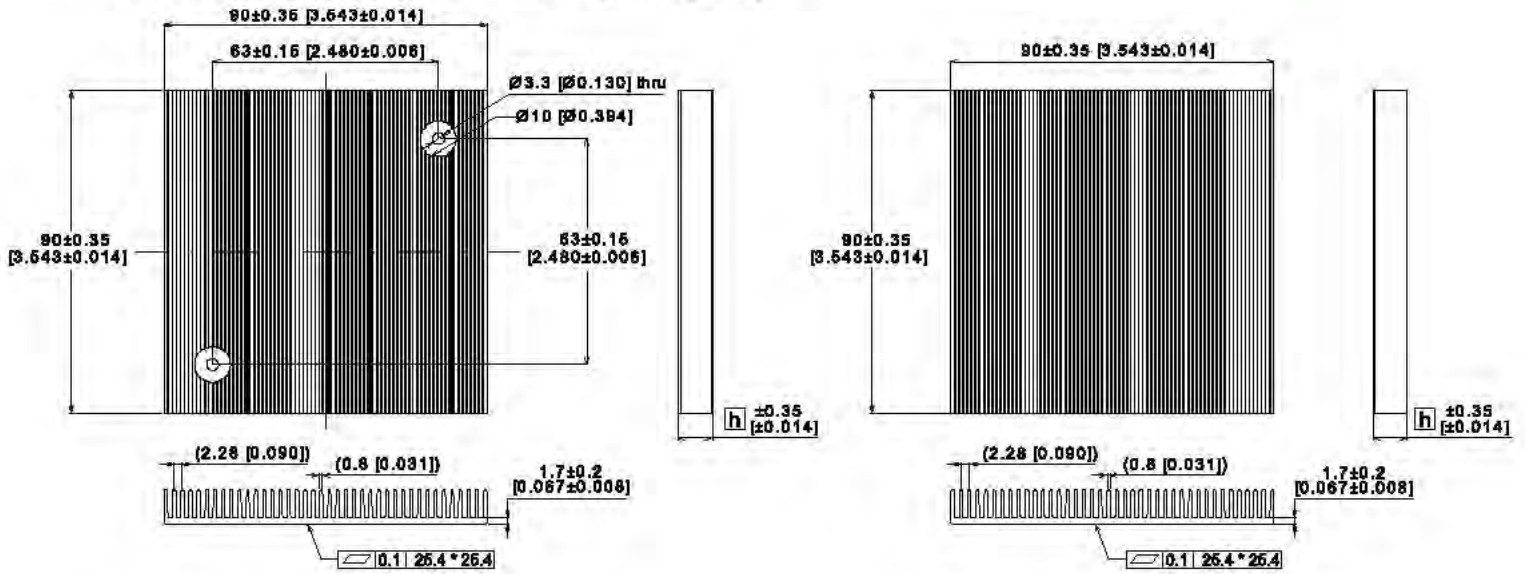
Model	Air Velocity / Rth (°C/W)			
	200 (LFM)	400 (LFM)	600 (LFM)	800 (LFM)
HBP08001-0617ZA	2.44	1.45	1.11	0.97
HBP08001-1017ZA	1.90	1.04	0.77	0.63
HBP08001-1317ZA	1.38	0.78	0.59	0.51

Heat Source (L\*W) : 37 x 37 mm



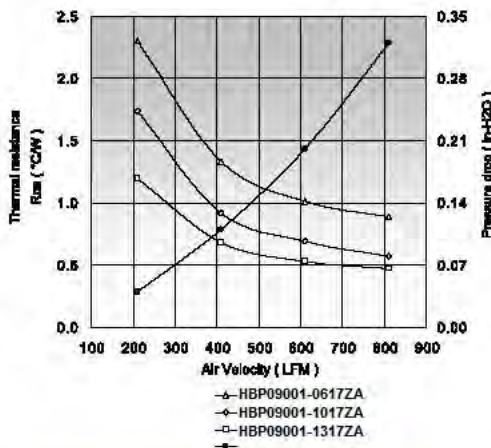
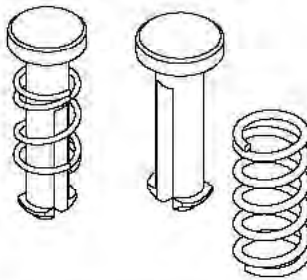
# HBP 90 Series Specification & Performance Data

- 1. Material : AL 6063
- 2. Finish : black anodize
- 3. All dimensions are in millimeter (mm) [inch].



- Attachment :**  
**Push pin : brass**  
**Wire Spring : Ø 0.5mm , music wire , nickel plating**

Model	Height (h)	Base (t)	Weight (grams)
HBP09001-0617ZA	6.3		76.7
HBP09001-1017ZA	9.5	1.7	104.7
HBP09001-1317ZA	12.7		132.7



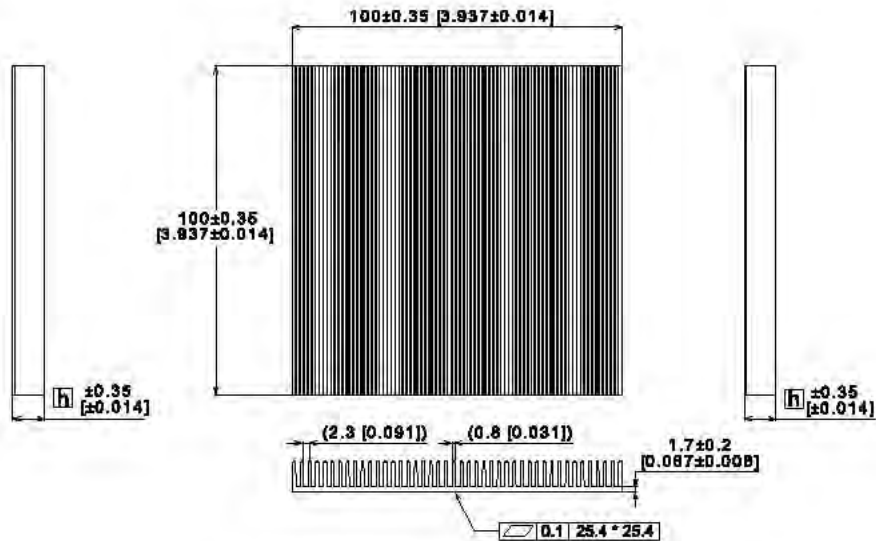
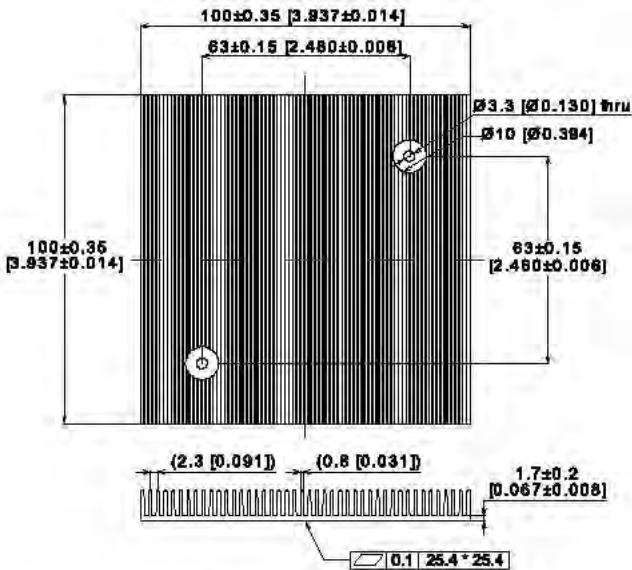
Model	Air Velocity / Rth (°C/W)			
	200 (LFM)	400 (LFM)	600 (LFM)	800 (LFM)
HBP09001-0617ZA	2.30	1.33	1.01	0.89
HBP09001-1017ZA	1.74	0.92	0.69	0.57
HBP09001-1317ZA	1.20	0.68	0.53	0.47

Heat Source (L\*W) : 37 x 37 mm



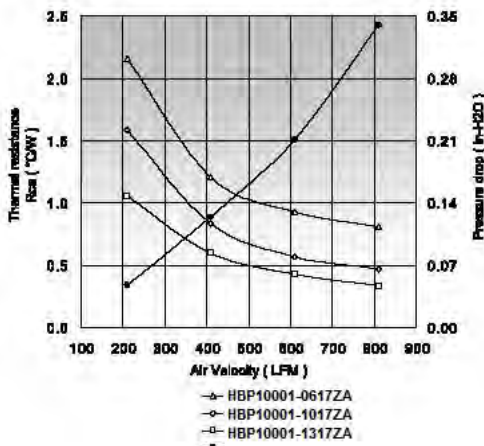
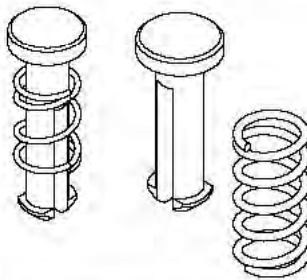
# HBP 100 Series Specification & Performance Data

1. Material : AL 6063
2. Finish : black anodize
3. All dimensions are in millimeter (mm) [inch].



- Attachment :
- Push pin : brass
  - Wire Spring : Ø 0.5mm , music wire , nickel plating

Model	Height (h)	Base (t)	Weight (grams)
HBP10001-0617ZA	6.3	1.7	94.2
HBP10001-1017ZA	9.5		128.5
HBP10001-1317ZA	12.7		162.7



Model	Air Velocity / Rth (°C/W)			
	200 (LFM)	400 (LFM)	600 (LFM)	800 (LFM)
HBP10001-0617ZA	2.16	1.21	0.93	0.81
HBP10001-1017ZA	1.59	0.84	0.57	0.47
HBP10001-1317ZA	1.08	0.60	0.43	0.34

Heat Source (L\*W) : 37 x 37 mm