



## CROSS FLOW HEAT EXCHANGER

# MODEL H

### PRODUCT DATA SHEET



Model H is a high-performance, low-weight, crossflow plate heat exchanger with typical dry temperature efficiency up to 65% for single pass and 85% for two-step arrangements. The efficiency is improved by a unique plate design creating turbulence even at lower velocities. The strong aluminium plates in high standard alloy gives the products a long life time and with no moving parts the maintenance and service costs can be kept to a minimum.

The wide range of sizes enables this model to cover a broad application span, from the lowest air flows to the largest commercial installations. Optimal thermal design can be achieved through an enormous choice of plate distances. Numerous standard options include epoxy coating, lacquered framework, extra airtight sealing, bypass, dampers, choice of corner profiles, slide-in profiles, flat or flanged end-plates, and a choice of seals for different temperature ranges and applications.

Heatex crossflow plate heat exchangers comply with hygiene standard EN13779 and clean room standard DIN1946 part 4.

**AIR-TO-AIR HEAT EXCHANGERS**



**UK EXCHANGERS LTD**

the heat transfer specialists

## TECHNICAL SPECIFICATIONS

# MODEL H

**MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:**  
1800 Pa (for size 200 and 300 it is 700 Pa). Influence on pressure drop is described in the technical documentation.

**MAXIMUM LEAKAGE:**  
0.1% of nominal air flow (with silicone sealant 1%).

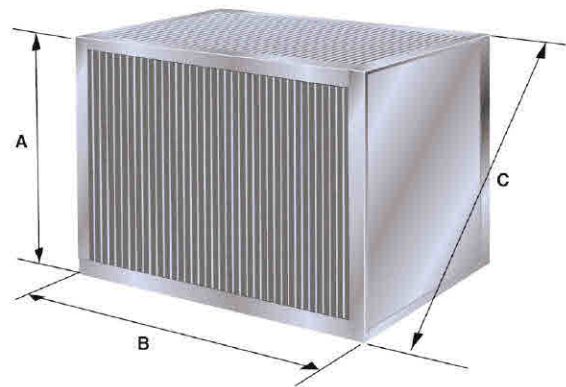
**MAXIMUM ALLOWED TEMPERATURE:**  
90°C (200°C with silicone sealant).

**PLATE MATERIAL:**  
Aluminum is standard, epoxy coated aluminum option for better corrosion protection.

**FRAME MATERIAL:**  
Corner profiles in aluminum and end plates in aluzink (type E) or aluminum (type A and C).

**SEALING:**  
Silicone free (max 90°C, 190°F) or  
Silicone (max 200°C, 390°F).

**FRAME DESIGNS:**  
Several combinations of different corner profiles and end plates are available. See separate data sheet for Frame Design.



## MODEL H RANGE

MODEL	MEASURE (MM)				PLATE DISTANCE (MM)	FRAME DESIGN
	A	B	C45	C90		
200	200	100-600	265	283	1.6/ 2.1/ 2.4/ 2.7	1/2/3/4/A/C
300	300	100-600	406	424	1.8/ 2.2/ 3.0/ 4.0/ 5.0	1/2/3/4/A/C
415	415	200-700	548	587	3.3/ 4.2/ 5.0/ 6.5	1,2,4,A,C
425	425	200-1000	585	601	3.3/ 4.2/ 5.0/ 6.5	1, 2, 4, E
490	490	250-1000	677	693	2.8/ 3.3/ 4.2/ 5.0	1, 2, 4, E
600	600	250-1200	829	849	2.7/3.0/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	1, 2, 4, E
750	750	300-1200	1041	1061	3.3/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	1, 2, 4, E
800	800	300-1200	-	1131	3.3/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E
850	850	300-1200	1183	1202	3.0/ 3.5/ 4.0/ 5.0/ 6.5/ 8.0/ 9.5	1, 2, 4, E
1000	1000	350-1200	1394	1414	3.3/ 3.7/ 5.0/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	1, 2, 4, E
1200	1200	350-1200	-	1697	2.7/ 3.0/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E
1500	1500	350-1200	-	2122	3.3/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E
1700	1700	350-1200	-	2404	3.0/ 4.0/ 4.5/ 5.0/ 6.5/ 8.5/ 10.5/ 12.0	2, 4, E
2000	2000	350-1200	-	2828	3.3/ 3.7/ 5.0/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E
2250	2250	350-1200	-	3182	3.3/ 4.5/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E
2550	2550	350-1200	-	3606	3.0/ 4.0/ 4.5/ 5.0/ 6.5/ 8.5/ 10.5/ 12.0	2, 4, E
3000	3000	350-1200	-	4243	5.0/ 6.0/ 7.5/ 9.0/ 10.5/ 12.0	2, 4, E