

## CROSS FLOW HEAT EXCHANGER

# MODEL H

### PRODUCT DATA SHEET



Model H is Heatex' original cross flow plate heat exchanger with typical dry temperature efficiency up to 65% for a single pass and 85% for two-step arrangements.

Its well-proven plate design creates turbulence even at lower velocities which, combined with high channel heights, results in a low-pressure drop and a total increase in efficiency.

Model H offers the widest set of options and configurations among our cross flow plate heat exchangers.

Model H is certified according to Eurovent, AHRI, ILH and TüvSüd. A lot of configurations comply with the Ecodesign Lot 6 requirements. Go to [Heatex.com](https://www.heatex.com) for more information.

Calculate performance with [Heatex Select](#).

## TECHNICAL SPECIFICATIONS

# MODEL H

### COMBINED MODULES SIZE:

200 - 3000 mm

### PLATE SIZE:

200 mm / 300 mm / 415 mm / 425 mm /  
600 mm / 750 mm / 800 mm / 850 mm /  
1000 mm

### PLATE MATERIAL:

Aluminium (standard)  
Epoxy coated aluminium (improved corrosion protection)

### GABLES:

Aluzinc (for plate size > 600)  
Aluminium (for plate size < 300)

### CORNER PROFILES:

Aluminium 90° (standard)  
Aluminium 45°  
Aluminium brush profile

### MAXIMUM ALLOWED TEMPERATURE AND SEALING:

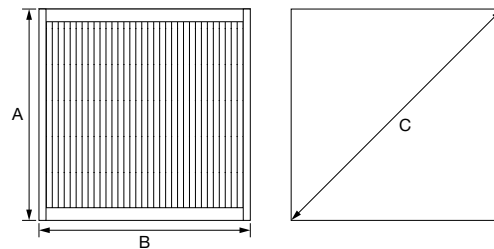
90°C - Silicone free (standard)  
200°C - Silicone  
240°C - Silicone

### MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

0.1% of nominal air flow for size > 425 mm  
1% of nominal air flow for sizes < 425 mm  
1% of nominal air flow with silicone sealant

### MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

< 1800 Pa for most sizes  
< 700 Pa for size 200 and 300



## 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	587	601	3.3/4.2/5.0/6.5	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	1182	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

\*45° corner profile.

\*\*90° corner profile.

Owing to continued product development Heatex reserves the right to introduce alterations without prior notice.