

## 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 including painted frame work, epoxy coated plates and closed plate cutting edges which will improve corrosion resistance and minimize air leakage. Custom made accessories like bypass and dampers are also available.

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:

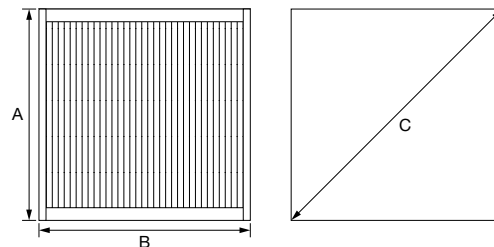
90°C - Silicone free (standard)  
200°C - Silicone  
240°C - Silicone

### 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)
	A	B	C45*	C90**	
200	200	100-600	265	283	1.6/2.1/2.4/2.7
300	300	100-600	406	424	1.8/2.2/3.0/4.0/5.0
415	415	200-700	548	587	3.3/4.2/5.0/6.5
425	425	200-1000	587	601	3.3/4.2/5.0/6.5
600	600	250-1200	829	849	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0
750	750	300-1200	1041	1061	3.3/4.5/6.0/7.5/9.0/10.5/12.0
800	800	300-1200	-	1131	3.3/4.5/6.0/7.5/9.0/10.5/12.0
850	850	300-1200	1182	1202	3.0/3.5/4.0/5.0/6.5/8.0/9.5
1000	1000	350-1200	1394	1414	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0
1200	1200	350-1200	1677	1697	2.7/3.0/4.5/6.0/7.5/9.0/10.5/12.0
1500	1500	350-1200	2102	2122	3.3/4.5/6.0/7.5/9.0/10.5/12.0
1700	1700	350-1200	2384	2404	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0
2000	2000	350-1200	2808	2828	3.3/3.7/5.0/6.0/7.5/9.0/10.5/12.0
2250	2250	350-1200	3162	3182	3.3/4.5/6.0/7.5/9.0/10.5/12.0
2550	2550	350-1200	3586	3606	3.0/4.0/4.5/5.0/6.5/8.5/10.5/12.0
3000	3000	350-1200	4223	4243	5.0/6.0/7.5/9.0/10.5/12.0

\*45° corner profile.

\*\*90° corner profile.

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