

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:

7.87" - 118.1"

PLATE SIZE:

7.87" / 11.81" / 16.34" / 16.73" / 23.62" / 29.53" / 31.50" / 33.46" / 39.37"

PLATE MATERIAL:

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

GABLES:

Aluzinc (for plate size > 23.62")
Aluminium (for plate size < 11.81")

CORNER PROFILES:

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

MAXIMUM ALLOWED TEMPERATURE AND SEALING:

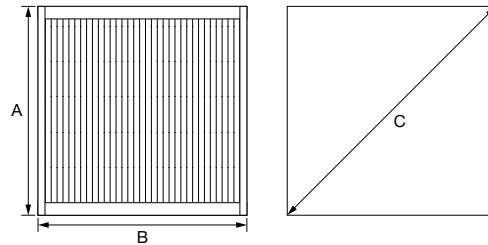
190°F - Silicone free (standard)
390°F - Silicone
464°F - Silicone

MAXIMUM LEAKAGE (AT 400 PA DIFF. PRESSURE):

0.1% of nominal air flow for size > 16.73" mm
1% of nominal air flow for sizes < 16.73" mm
1% of nominal airflow with silicone sealant

MAXIMUM ALLOWED DIFFERENTIAL PRESSURE:

< 7.23" WC for most sizes
< 27.56" WC for size 7.87" and 11.81"



MODEL H RANGE

MODEL	MEASURE (INCHES)				PLATE DISTANCE (INCHES)
	A	B	C45*	C90**	
200	7.87	3.94-23.62	10.43	11.14	0.06/0.08/0.09/0.11
300	11.81	3.94-23.62	15.98	16.69	0.07/0.09/0.12/0.16/0.2
415	16.34	7.87-27.56	21.57	23.11	0.13/0.17/0.20/0.26
425	16.73	7.87-39.37	23.03	23.66	0.13/0.17/0.20/0.26
600	23.62	9.84-47.24	32.84	33.43	0.11/0.12/0.18/0.24/0.30/0.35/0.41/0.47
750	29.53	11.81-47.24	40.99	41.77	0.13/0.18/0.24/0.30/0.35/0.41/0.47
800	31.49	11.81-47.24	-	44.53	0.13/0.18/0.24/0.30/0.35/0.41/0.47
850	33.45	11.81-47.24	46.54	47.32	0.12/0.14/0.16/0.20/0.26/0.30/0.32/0.37
1000	39.37	13.78-47.24	54.88	55.67	0.13/0.15/0.20/0.24/0.30/0.35/0.41/0.47
1200	47.24	13.78-47.24	66.02	66.81	0.11/0.12/0.18/0.24/0.30/0.35/0.41/0.47
1500	59.06	13.78-47.24	82.76	83.54	0.13/0.18/0.24/0.30/0.35/0.41/0.47
1700	66.93	13.78-47.24	93.86	94.65	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47
2000	78.74	13.78-47.24	110.6	111.34	0.13/0.15/0.20/0.24/0.30/0.35/0.41/0.47
2250	88.58	13.78-47.24	124.5	125.28	0.13/0.18/0.24/0.30/0.35/0.41/0.47/0.47
2550	100.39	13.78-47.24	141.2	141.97	0.12/0.16/0.18/0.20/0.26/0.34/0.41/0.47
3000	118.11	13.78-47.24	166.3	167.05	0.20/0.24/0.30/0.35/0.41/0.47

*45° corner profile.

**90° corner profile.

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