

Data sheet

Micro Plate Heat Exchanger (MPHE): XB59

Description



Micro Plate Heat Exchangers - a revolutionary technology from Danfoss.

Characterized by their unique plate pattern, MPHEs enable heat to be transferred more efficient than any previous model of heat exchangers.

Benefits:

- Energy and cost savings
- Better heat transfer
- Lower pressure loss
- More flexible design
- Longer life time

more on:
store.danfoss.com

XB59 is copper brazed heat exchanger, designed and configured for District Heating, District Cooling and other Heating applications.

Approval:

Pressure Equipment Directive (PED).

Ordering

Heat exchanger **XB59M-1**

Picture	No. of plates, n	Code No.
	30	004B1920
	36	004B1921
	40	004B1922
	50	004B1923
	60	004B1932
	70	004B1933
	80	004B1934
	90	004B1936
	100	004B1937
	110	004B1938
	120	004B1939
	140	004B1940
	160	004B1941
	180	004B1942
200	004B1943	

Accessories - **Bracket set XB59**

Picture	Code No.
	004B1245

Accessories - **Insulations**

Type coverage (plate nos)	Code No.
30-50	079G1671
51-100	079G1672
101-140	079G1673
141-200	079G1674

Accessories - **Tailpieces**

Solder	Code No. *
28 mm pipes	004B2910
35 mm pipes	004B2911
42 mm pipes	004B2912

Weld-on	Code No. *
DN 32	004B2907
DN 40	004B2908
DN 50	004B2909

* Set of two pieces.

Data sheet

XB59

Technical data

Heat exchanger **XB59**

Max working pressure	bar	25
Min. / Max. temperature	°C	-10/180
Flow medium	DH: Circulation water / glycolic water up to 50% DC: ethylene-, propylene-glycolic water, ethanol-water solutions and other suitable heat transfer media (please contact your Danfoss representative).	
Plate corrugation	M	
Volume / Channel	Ltr	0.156
Connections	mm	G 2 x 52 (DIN ISO 228/1)
Weight	kg	6 + 0.26 × NoP
Materials		
Plate material	Stainless steel, mat. no. 1.4404	
Brazing	Copper	

Insulation

Type	Polyurethane shell with Polystyrene cover		
Wall thickness	mm	20	
Heat conductivity λ	W/mK	0.032	
Max. temperature	Permanent	°C	110
	Short term peak	°C	130

Note:

For more details about insulation please contact your Danfoss sales representative.

Dimensions

A (mm)	M: 11.5 +1.74 × n
---------------	--------------------------

Insulation

Code No.	No. of plates, n	External		
		Width	Height	Depth
079G1671	30-50	247	662	192
079G1672	51-100	252	662	279
079G1673	101-140	257	662	349
079G1674	141-200	264	662	454

Danfoss A/S

Climate Solutions • danfoss.com • +45 7488 2222

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product.

All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.