

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:

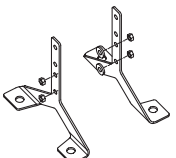
Pressure Equipment Directive (PED).

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	-196/180
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	

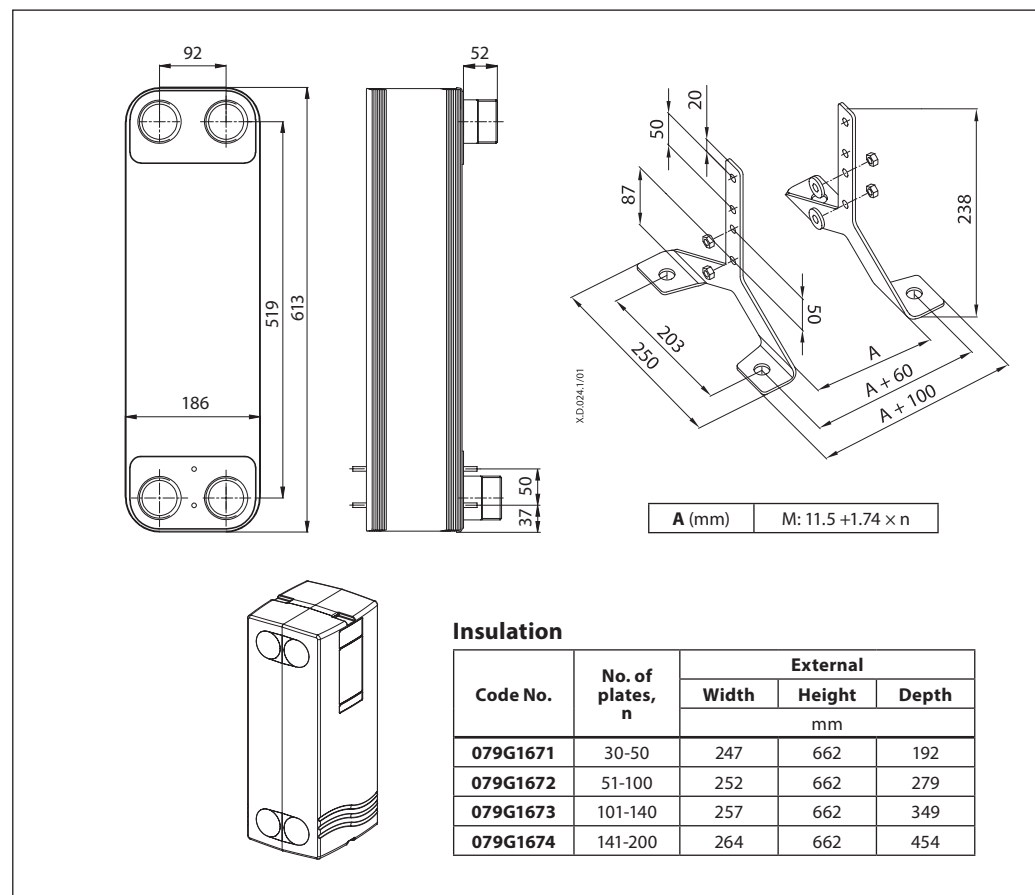
Insulation

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		130

Note:

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

Dimensions



Danfoss A/S

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