

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 effectively 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:

districtenergy.danfoss.com (MPHE)

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

Approval:

Pressure Equipment Directive (PED) 97/23/EC.

Ordering

Heat exchanger XB59 M-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

Note: Brackets are delivered with the heat exchanger.

Accessories - Insulations

Type coverage (plate nos)	Code No.
30-50	004B1651
51-100	004B1652
101-140	004B1653
141-200	004B1654

Accessories - Tailpieces

Soldering	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.

DH-SMT/SI **VD.GS.I1.02** © Danfoss 04/2011



Data sheet

Micro Plate Heat Exchanger (MPHE): XB59

Technical data

Heat exchanger XB59

Max working pressure	PN	25
Min. / Max. temperature	°C	-196 / 200
Flow medium		Water / Water
Plate corrugation		M
Voume / Channel	1.4	M: 0.16
Primary side vol.:	Ltr	(n/2)-1 * vol/channel
Connections		G 2 A x 52 mm (DIN ISO 228/1)
Weight	kg	4.7 kg + 0,29 * n
Materials		
Plate material		Stainless steel, mat. no. 1.4404
Brazing		Copper

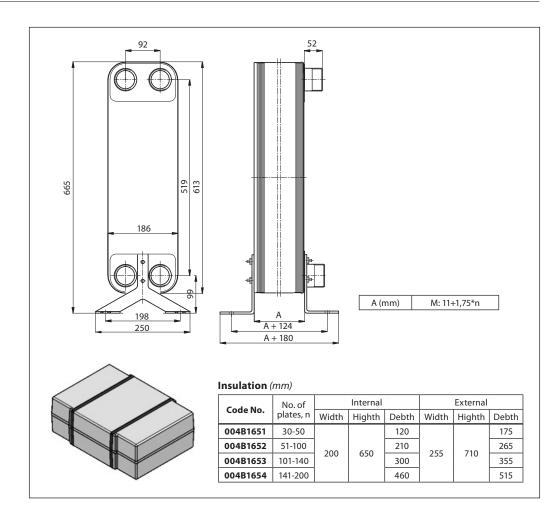
Insulation

Туре		Polyurethane shell with polystryrene cover
Core	Polyurethane	27-30 mm
	Heat conductivity λ	0.029 W/mK
	Max. temperature	130°C (permanent); short-term: 150°C
Cover	Polystyrene, light grey RAL 7040	0.8-3.0 mm

Note:

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

Dimensions



Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed.

All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.

2 VD.GS.I1.02 Produced by Danfoss A/S © 04/2011