

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: MPHE.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) 97/23/EC.

Ordering

Heat exchanger XB59M-1

Picture	No. of plates, n	Code No.
	30	004B1920
	36	004B1921
	40	004B1922
	50	004B1923
	60	004B1932
$(\oplus \oplus)$	70	004B1933
	80	004B1934
	90	004B1936
	100	004B1937
	110	004B1938
	120	004B1939
	140	004B1940
44	160	004B1941
	180	004B1942
	200	004B1943

Accessories - Bracket set XB59

Picture	Code No.
	004B1245

Accessories - Insulations

Code No.
004B1651
004B1652
004B1653
004B1654

Accessories - Tailpieces

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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.

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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	0,151
Connections	mm	G 2 x 52 (DIN ISO 228/1)
Weight	kg	7 + 2,6 × n
Materials		
Plate material		Stainless steel, mat. no. 1.4404
Brazing		Copper

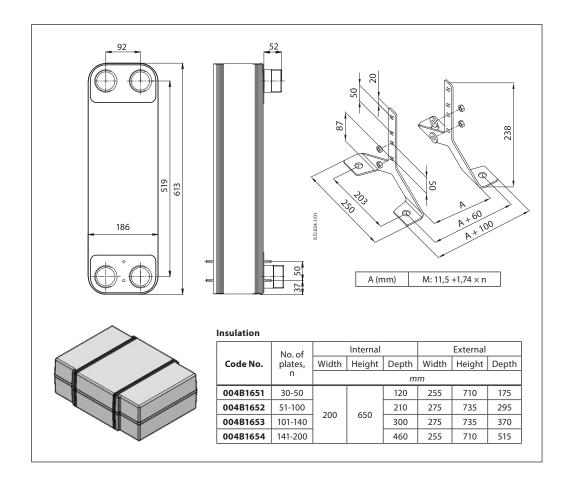
Insulation

Туре			Polyurethane shell with Polystyrene cover
Wall thickness	.,	mm	27-30
Heat conductivity	\	W/mK	0,029
Man tamananatuna	Permanent	- ℃	130
Max. temperature	Short term peak		150
Polystyrene, light o	rey RAL 7040	mm	0,8-3,0

Note:

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

Dimensions



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