

Data sheet

Micro Plate Heat Exchanger (MPHE): XB61

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)

XB61 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

1-pass brazed heat exchangers type **XB61**

Picture	No. of plates, n	XB 61L-1 SB	XB 61M-1 SB	XB 61H-1 SB	Picture	No. of plates, n	XB 61L-1 SB	XB 61M-1 SB	XB 61H-1 SB			
		Thread (G 2A)					available in year 2012					
	30	004B1906	004B1913	004B1925		30	X	X	X			
	36	004B1907	004B1914	004B1926		36						
	40	004B1908	004B1915	004B1927		40						
	50	004B1909	004B1916	004B1928		50						
	60	004B1910	004B1917	004B1929		60						
	70	004B1911	004B1918	004B1930		70						
	80	004B1912	004B1919	004B1931		80						
X						90						
						100						
						110						
						120						
						140						
						160						
						180						
					200							

Note: Brackets must be ordered separately, the so-called SB brackets.

Accessories - Bracket SB ¹⁾

Picture	Type coverage (plate nos)			Code No.
	H	M	L	
	30-90	30-70	30-60	004B1788
	91-180	71-160	61-120	004B1789
	181-200	161-200	121-200	004B1790

¹⁾ for dimensions, see XB datasheet

Accessories - Insulations

Type coverage (plate nos)			Code No.
H	M	L	
30-90	30-70	30-50	004B1655
91-160	71-120	51-100	004B1656
161-200	121-180	101-140	004B1657
-	181-200	141-200	004B1658

Ordering (continuous)
Accessories - Tailpieces

Soldering	Code No. ²⁾
28 mm pipes	004B2910
35 mm pipes	004B2911
42 mm pipes	004B2912

Weld-on	Code No. ²⁾
DN 32	004B2907
DN 40	004B2908
DN 50	004B2909

²⁾ Set of two pieces.

Technical data
Heat exchanger XB61

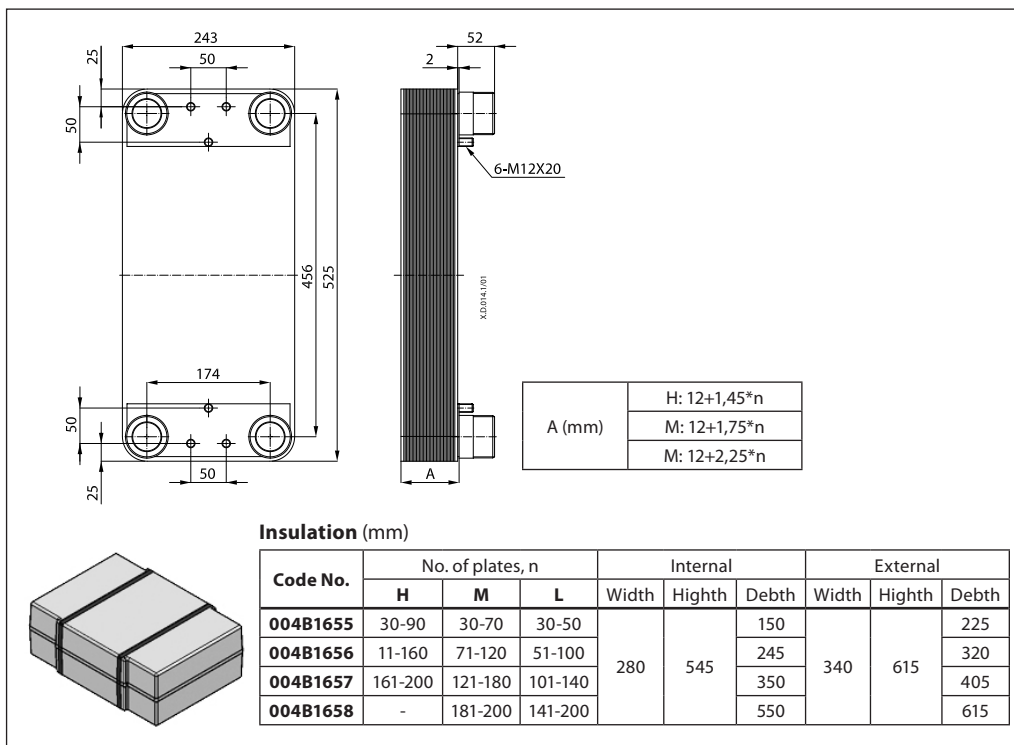
Max working pressure	PN	25 (3.0 Mpa)
Min./ Max. temperature	°C	-196/200
Flow medium		Water / Water
Plate corrugation		H / M / L
Volume / Channel	Ltr	H: 0,153 / M: 0,191 / L: 0,255
Primary side vol.:		(n / 2) - 1 × vol/channel
Connections		Thread: G 2 A × 52 mm (DIN ISO 228/1)
		Flange: DN50 × 100mm EN 1092-1
Weight	kg	Thread: 7 + 0,3 × n
		Flange: 18,4 + 0,3 × n
Materials		
Plate material		Stainless steel, mat. no. 1.4404 (316L)
Brazing		Copper

n = Number of plates
Note:

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

Insulation

Type	Polyurethane shell with polystyrene 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

Dimensions


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