



Micro plate heat exchanger

XB06

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.

Features & benefits

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

Applications

XB06 is brazed heat exchanger, designed and configured for district heating, district cooling and other heating applications.

more on: store.danfoss.com

Ordering

Product code numbers

Table: 1-pass heat exchanger XB06 Cu

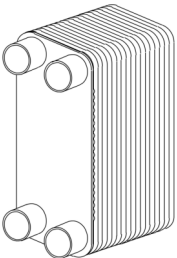
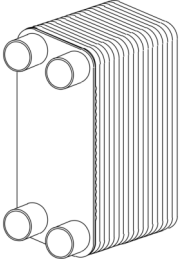
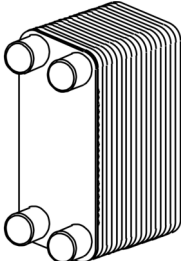
Picture	No. of plates, n	Connection	Code No.		
			XB06L-1	XB06H-1	XB06H+-1
	10	Thread G 3/4	004B2025	004B2037	004B1207
	16		004B2026	004B2038	004B1209
	20		004B2027	004B2039	004B1211
	26		004B2028	004B2041	004B1212
	30		004B2029	004B2042	004B1214
	36		004B2030	004B2043	004B1216
	40		004B2031	004B2044	004B1217
	50		004B2032	004B2046	004B1219
	60		004B2033	004B2047	004B1221
	70		004B2034	004B2048	004B1222
	80		–	–	004B1223

Table: 1-pass heat exchanger XB06 Cu +¹⁾

Picture	No. of plates, n	Connection	Code No.	
			XB06L-1	XB06H-1
	10	Thread G 3/4	004H4705	004H4693
	16		004H4706	004H4694
	20		004H4707	004H4695
	26		004H4709	004H4697
	30		004H4710	004H4698
	36		004H4711	004H4699
	40		004H4712	004H4700
	50		004H4713	004H4701
	60		004H4714	004H4702
	70		004H4715	004H4703

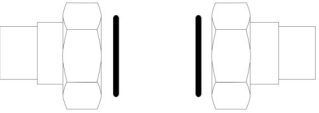

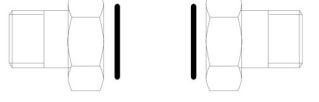
¹⁾ Available on request**Table: 1-pass heat exchanger XB06 StS¹⁾**

Picture	No. of plates, n	Connection	Code No.	
			XB06L-1	XB06H-1
	10	Thread G 3/4	004H4613	004H4601
	16		004H4614	004H4602
	20		004H4615	004H4603
	26		004H4617	004H4605
	30		004H4618	004H4606
	36		004H4619	004H4607
	40		004H4620	004H4608
	50		004H4621	004H4609
	60		004H4622	004H4610
	70		004H4623	004H4611

¹⁾ Available on request

Accessories code numbers

Table: Tailpieces

Picture	Description	Connection	Code No. ¹⁾
	Solder tailpieces	G 3/4 / 15 mm	004B2945
	Weld-on tailpieces	G 3/4 / DN 15	003H6908 ²⁾
		G 3/4 / DN 20	004B2944
	Threaded tailpieces	G 3/4 / G 3/4	004B2947
		G 3/4 / G 1	004B2953

¹⁾ One set contains 2 tailpieces with union nuts and gaskets²⁾ Contact Danfoss for further details

Table: Bracket

Picture	Code No.
	004B2948

Table: PU Insulation set XB06-1

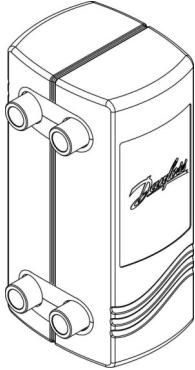
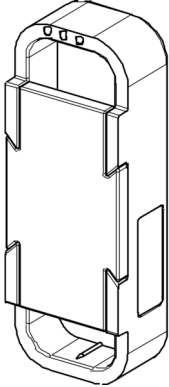
Picture	No. of plates, n	Code No.
	L: 10 – 26 H: 10 – 26 H+: 10 – 40	004B1191
	L: 30 – 48 H: 30 – 48 H+: 50 – 80	004B1192
	L: 50 – 70 H: 50 – 70	004B1193

Table: EPP Insulation set XB06-1

Picture	No. of plates, n	Code No.
	L: 10 – 20 H: 10 – 26 H+: 10 – 36	079G1287
	H: 30 H+: 40	079G1288
	L: 26 – 30 H: 36 – 40 H+: 50	079G1289

Product details

General data

Technical data

Type		XB06L-1	XB06H-1	XB06H+
Max. working pressure Cu	bar	25		
Max. working pressure Cu+		16		-
Max. working pressure StS		16		
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).		
Volume / Channel	Ltr	0.036	0.027	0.02
Connection type		Cylindrical external thread acc. to DIN ISO 228/1		
Connection size		G 3/4		
Weight	kg	0.6 + 0.075 x NoP	0.7 + 0.070 x NoP	0.8 + 0.057 x NoP

Insulation

Type		PU (Polyurethane)	EPP (Expanded polypropylene insulation)
Wall thickness	mm	20	20
Heat conductivity, λ	W/mK	0.035	0.036
Max. temperature	Permanent	130	110 (60) ¹⁾
	Short term peak	160	

¹⁾ Contact surface up to 60 °C.

Materials

Plate	Stainless steel, mat. no. 1.4404
Brazing	Copper (Cu), CoResist (Cu+) ¹⁾ , Stainless steel (StS) ¹⁾

¹⁾ Available on request

Dimensions

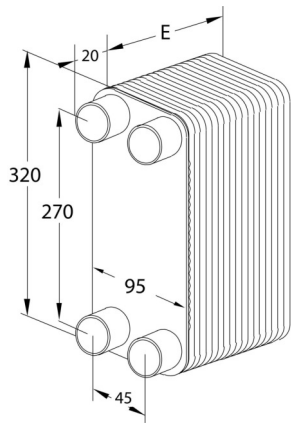


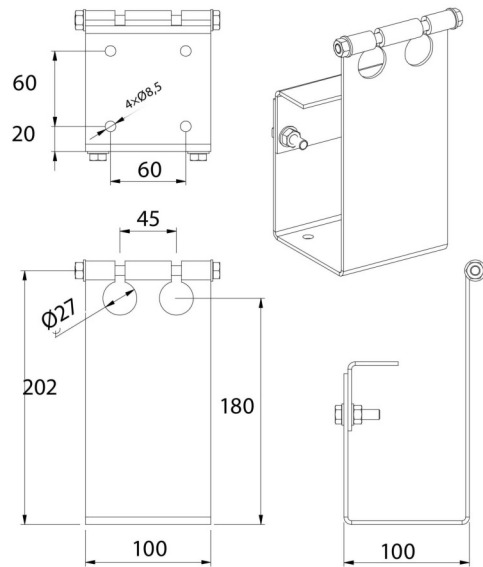
Table: Dimension

Type	Connection	E	Weight empty
		[mm]	[kg]
XB06 L-...	G 3/4 ¹⁾	$7 + 1.6 \times n$	$0.67 + n \times 0.08$
XB06 H-...		$7 + 1.25 \times n$	
XB06H+ ...		$7 + 0.95 \times n$	$0.6 + n \times 0.07$

n = Number of plates

¹⁾ Cylindrical external thread acc. to DIN ISO 228/1

Mounting brackets



PU Insulation XB06-1

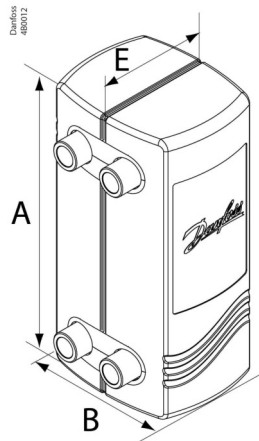


Table: PU Insulation XB06-1

No. of plates	A	B	E	Code No.
	mm			
L: 10-26 H: 10-26 H+: 10-40	368	138	98	004B1191
L: 30-48 H: 30-48 H+: 50-80		142	138	004B1192
L: 50-70 H: 50-70		149	168	004B1193

EPP Insulation XB06-1

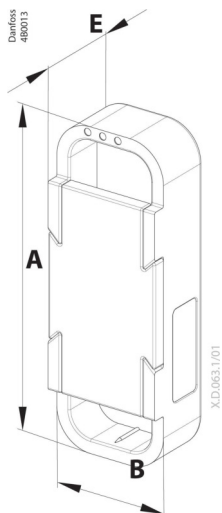
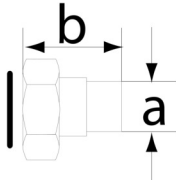
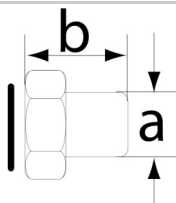
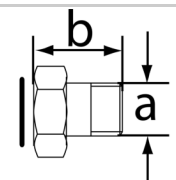


Table: EPP Insulation XB06-1

No. of plates	A	B	E	Code No.
	[mm]			
L: 10 – 20 H: 10 – 26 H+: 10 – 36	353	128	77	079G1287
H: 30 H+: 40			82	079G1288
L: 26 – 30 H: 36 – 40 H+: 50			94	079G1288

Table: Tailpieces

Picture	Description	Connection	A	B	SW ¹⁾	Code No.
			[mm]			
	Solder tailpieces	G ¾ / 15 mm	15	35	32	004B2945
		G ¾ / 18 mm	18	35	32	004B2946
	Weld-on tailpieces	G ¾ / DN 20	21.2	35	32	004B2944
	Threaded tailpieces	G ¾ / G ¾	¾	40	32	004B2947
		G ¾ / G 1	1	22	32	004B2953

¹⁾ Union nut, width across flats

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Certification body	Approval topic
Hygienic Certificate	PZH B-BK-60110-1580.2022	PZH - National Institute of Hygiene	Drinking Water
Hygienic Certificate	WRAS 2110022	WRAS - Water Regulations Advisory Scheme	Drinking Water
Hygienic Certificate	SVGW 0409-4877	SVGW - Schweiz Verein des Gas und Wasserfaches	Drinking Water
UA Declaration	Danfoss UA 2023-01-10 valves PL08 PL28	Danfoss	PED
Export Control Declaration	Micro Plate Heat Exchangers	Danfoss	
Hygienic Certificate	Kiwa K 48268-11	KIWA	Drinking Water
Pressure Safety Certificate	BV CE-0062-PED-H-DAF 001-24-DNK	BV - Bureau Veritas	PED
EU Declaration	Danfoss EU BF202407en-0001.01	Danfoss	PED
Export Control Declaration	Micro Plate Heat Exchangers - Not dual use	Danfoss	
EAC Declaration	EAC KZ 7100841.13.12.01130	EAC - Eurasian Customs Union	PED
Manufacturer's Declaration	Danfoss MD EU-ROHS-MD-202404-01.01	Danfoss	EU RoHS
Manufacturer's Declaration	Danfoss MD UK-ROHS-MOD-202304-02.01	Danfoss	UK RoHS
Manufacturer's Declaration	Danfoss MD BF248486516840en-000701.01	Danfoss	EU RoHS

Contact details

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