



Micro Plate heat exchanger

XB37

Description

XB37 is brazed heat exchanger, designed and configured for District Heating, District Cooling and other Heating applications. 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

XB37 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

Type	Brazing material	Number of plates	Connection type 1	Connection length 1 [mm]	Code number
XB37H-1	Stainless steel	10	G	20	004H4637
XB37H-1	Stainless steel	16	G	20	004H4638
XB37H-1	Stainless steel	20	G	20	004H4639
XB37H-1	Stainless steel	26	G	20	004H4640
XB37H-1	Stainless steel	30	G	20	004H4641
XB37H-1	Stainless steel	36	G	20	004H4642
XB37H-1	Stainless steel	40	G	20	004H4643
XB37H-1	Stainless steel	50	G	20	004H4644
XB37H-1	Stainless steel	60	G	20	004H4645
XB37H-1	Stainless steel	70	G	20	004H4646
XB37H-1	Stainless steel	80	G	20	004H4647
XB37H-1	Stainless steel	90	G	20	004H4648
XB37H-1	Stainless steel	100	G	20	004H4649
XB37H-1	Stainless steel	110	G	20	004H4650
XB37H-1	Stainless steel	120	G	20	004H4651
XB37M-1	Stainless steel	10	G	20	004H4652
XB37M-1	Stainless steel	16	G	20	004H4653
XB37M-1	Stainless steel	20	G	20	004H4654
XB37M-1	Stainless steel	26	G	20	004H4655
XB37M-1	Stainless steel	30	G	20	004H4656
XB37M-1	Stainless steel	36	G	20	004H4657
XB37M-1	Stainless steel	40	G	20	004H4658
XB37M-1	Stainless steel	50	G	20	004H4659
XB37M-1	Stainless steel	60	G	20	004H4660
XB37M-1	Stainless steel	70	G	20	004H4661
XB37M-1	Stainless steel	80	G	20	004H4662
XB37M-1	Stainless steel	90	G	20	004H4663
XB37M-1	Stainless steel	100	G	20	004H4664
XB37M-1	Stainless steel	110	G	20	004H4665
XB37M-1	Stainless steel	120	G	20	004H4666
XB37L-1	Stainless steel	10	G	20	004H4667
XB37L-1	Stainless steel	16	G	20	004H4668
XB37L-1	Stainless steel	20	G	20	004H4669

XB37L-1	Stainless steel	26	G	20	004H4670
XB37L-1	Stainless steel	30	G	20	004H4671
XB37L-1	Stainless steel	36	G	20	004H4672
XB37L-1	Stainless steel	40	G	20	004H4673
XB37L-1	Stainless steel	50	G	20	004H4674
XB37L-1	Stainless steel	60	G	20	004H4675
XB37L-1	Stainless steel	70	G	20	004H4676
XB37L-1	Stainless steel	80	G	20	004H4677
XB37L-1	Stainless steel	90	G	20	004H4678
XB37L-1	Stainless steel	100	G	20	004H4679
XB37L-1	Stainless steel	110	G	20	004H4680
XB37L-1	Stainless steel	120	G	20	004H4681
XB37H-1	CoResist	10	G	20	004H4729
XB37H-1	CoResist	26	G	20	004H4732
XB37H-1	CoResist	30	G	20	004H4733
XB37H-1	CoResist	36	G	20	004H4734
XB37H-1	CoResist	40	G	20	004H4735
XB37H-1	CoResist	50	G	20	004H4736
XB37H-1	CoResist	60	G	20	004H4737
XB37H-1	CoResist	70	G	20	004H4738
XB37H-1	CoResist	80	G	20	004H4739
XB37H-1	CoResist	90	G	20	004H4740
XB37H-1	CoResist	100	G	20	004H4741
XB37H-1	CoResist	110	G	20	004H4742
XB37H-1	CoResist	120	G	20	004H4743
XB37M-1	CoResist	10	G	20	004H4744
XB37M-1	CoResist	16	G	20	004H4745
XB37M-1	CoResist	20	G	20	004H4746
XB37M-1	CoResist	26	G	20	004H4747
XB37M-1	CoResist	30	G	20	004H4748
XB37M-1	CoResist	36	G	20	004H4749
XB37M-1	CoResist	40	G	20	004H4750
XB37M-1	CoResist	50	G	20	004H4751
XB37M-1	CoResist	60	G	20	004H4752
XB37M-1	CoResist	70	G	20	004H4753
XB37M-1	CoResist	80	G	20	004H4754
XB37M-1	CoResist	90	G	20	004H4755
XB37M-1	CoResist	100	G	20	004H4756
XB37M-1	CoResist	110	G	20	004H4757
XB37M-1	CoResist	120	G	20	004H4758
XB37L-1	CoResist	10	G	20	004H4759
XB37L-1	CoResist	16	G	20	004H4760
XB37L-1	CoResist	20	G	20	004H4761
XB37L-1	CoResist	26	G	20	004H4762
XB37L-1	CoResist	30	G	20	004H4763
XB37L-1	CoResist	36	G	20	004H4764
XB37L-1	CoResist	40	G	20	004H4765
XB37L-1	CoResist	50	G	20	004H4766
XB37L-1	CoResist	60	G	20	004H4767
XB37L-1	CoResist	70	G	20	004H4768
XB37L-1	CoResist	80	G	20	004H4769
XB37L-1	CoResist	90	G	20	004H4770
XB37L-1	CoResist	100	G	20	004H4771
XB37L-1	CoResist	110	G	20	004H4772
XB37L-1	CoResist	120	G	20	004H4773
XB37L-1	Copper	10	G	20	004H7270
XB37L-1	Copper	16	G	20	004H7271
XB37L-1	Copper	20	G	20	004H7272
XB37L-1	Copper	26	G	20	004H7273
XB37L-1	Copper	30	G	20	004H7274
XB37L-1	Copper	36	G	20	004H7275

XB37L-1	Copper	40	G	20	004H7276
XB37L-1	Copper	50	G	20	004H7277
XB37L-1	Copper	60	G	20	004H7278
XB37L-1	Copper	70	G	20	004H7279
XB37L-1	Copper	80	G	20	004H7280
XB37L-1	Copper	90	G	20	004H7281
XB37L-1	Copper	100	G	20	004H7282
XB37L-1	Copper	110	G	20	004H7283
XB37L-1	Copper	120	G	20	004H7284
XB37M-1	Copper	10	G	20	004H7285
XB37M-1	Copper	16	G	20	004H7286
XB37M-1	Copper	20	G	20	004H7287
XB37M-1	Copper	26	G	20	004H7288
XB37M-1	Copper	30	G	20	004H7289
XB37M-1	Copper	36	G	20	004H7290
XB37M-1	Copper	40	G	20	004H7291
XB37M-1	Copper	50	G	20	004H7292
XB37M-1	Copper	60	G	20	004H7293
XB37M-1	Copper	70	G	20	004H7294
XB37M-1	Copper	80	G	20	004H7295
XB37M-1	Copper	90	G	20	004H7296
XB37M-1	Copper	100	G	20	004H7297
XB37M-1	Copper	110	G	20	004H7298
XB37M-1	Copper	120	G	20	004H7299
XB37H-1	Copper	10	G	20	004H7300
XB37H-1	Copper	16	G	20	004H7301
XB37H-1	Copper	20	G	20	004H7302
XB37H-1	Copper	26	G	20	004H7303
XB37H-1	Copper	30	G	20	004H7304
XB37H-1	Copper	36	G	20	004H7305
XB37H-1	Copper	40	G	20	004H7306
XB37H-1	Copper	50	G	20	004H7307
XB37H-1	Copper	60	G	20	004H7308
XB37H-1	Copper	70	G	20	004H7309
XB37H-1	Copper	80	G	20	004H7310
XB37H-1	Copper	90	G	20	004H7311
XB37H-1	Copper	100	G	20	004H7312
XB37H-1	Copper	110	G	20	004H7313
XB37H-1	Copper	120	G	20	004H7314



Accessories code numbers



004B1723

Insulation set

Insu. XB37:L40-50M50-70H60-90

Related products

- 004H7276
- 004H7277
- 004H7292
- 004H7293
- 004H7294
- 004H7308
- 004H7309
- 004H7310
- 004H7311



004B2906

Tailpieces

Solder 1set"" G A / 22mm

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
- 004H7278
- 004H7279
- 004H7280
- 004H7281
- 004H7282
- 004H7283
- 004H7284
- 004H7285
- 004H7286
- 004H7287
- 004H7288
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- 004H7291
- 004H7292
- 004H7293
- 004H7294
- 004H7295
- 004H7296
- 004H7297
- 004H7298
- 004H7299
- 004H7300
- 004H7301
- 004H7302
- 004H7303
- 004H7304
- 004H7305
- 004H7306
- 004H7307
- 004H7308
- 004H7309
- 004H7310
- 004H7311
- 004H7312
- 004H7313
- 004H7314



004B2901

Tailpieces

Weld on 1" _G_A_DN15"

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
- 004H7278
- 004H7279
- 004H7280
- 004H7281
- 004H7282
- 004H7283
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- 004H7293
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- 004H7295
- 004H7296
- 004H7297
- 004H7298
- 004H7299
- 004H7300
- 004H7301
- 004H7302
- 004H7303
- 004H7304
- 004H7305
- 004H7306
- 004H7307
- 004H7308
- 004H7309
- 004H7310
- 004H7311
- 004H7312
- 004H7313
- 004H7314



004B2913

Tailpieces

Thread nipple set 1 G A / 3/4 G A

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
- 004H7278
- 004H7279
- 004H7280
- 004H7281
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- 004H7312
- 004H7313
- 004H7314



004B1728

Mounting brackets

Mounting bracket for XB 37

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
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- 004H7310
- 004H7311
- 004H7312
- 004H7313
- 004H7314



004B2904

Tailpieces

Solder set 1" G A / 15mm

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
- 004H7278
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- 004H7310
- 004H7311
- 004H7312
- 004H7313
- 004H7314



003H6909

Weld-on tailpieces, PN 25, DN 20, G 1

Tailpiece weld-on PN25 DN20 (G1)

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7273
- 004H7274
- 004H7275
- 004H7276
- 004H7277
- 004H7278
- 004H7279
- 004H7280
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- 004H7308
- 004H7309
- 004H7310
- 004H7311
- 004H7312
- 004H7313
- 004H7314



004B1726

Insulation set

Insulation XB37 L:90-100 M:110-120

Related products

- 004H7281
- 004H7282
- 004H7298
- 004H7299



004B1722

Insulation set

Insu. XB37:L26-36M30-40H36-50

Related products

- 004H7273
- 004H7274
- 004H7275
- 004H7289
- 004H7290
- 004H7291
- 004H7305
- 004H7306
- 004H7307



004B1721

Insulation set

Insu. XB37:L10-20M10-26H10-30

Related products

- 004H7270
- 004H7271
- 004H7272
- 004H7285
- 004H7286
- 004H7287
- 004H7288
- 004H7300
- 004H7301
- 004H7302
- 004H7303
- 004H7304



004B1725

Insulation set

Insu. XB37:L60-80M80-100H100-120

Related products

- 004H7278
- 004H7279
- 004H7280
- 004H7295
- 004H7296
- 004H7297
- 004H7312
- 004H7313
- 004H7314



004B1727

Insulation set

Insu. XB37:L110-120

Related products

- 004H7283
- 004H7284

Product details

General data

Technical data

Heat exchangerXB37	XB37L	XB37M	XB37H
Max. working pressure Cu	25 bar		
Max. working pressure Cu+	16 bar		
Max. working pressure StS	16 bar		
Min. / Max. temperature	-196/180 °C		
Flow medium	DH: Circulation water / glycolic water up to 50% transfer media. DC: ethylene-, propylene-glycolic water, ethanol-water solutions and other suitable heat transfer media. (Please contact your Danfoss representative).		
Volume / Channel	0.115 Ltr	0.085 Ltr	0.069 Ltr
Connection type	Cylindrical external thread acc. to DIN ISO 228/1		
Connection size	G 1		
Weight	short / long connection: 2.24 + 0.16×n / 2.6 + 0.16×n [kg]		

Insulation:

Type	PU (Polyurethane)	
Wall thickness	20 mm	
Heat conductivity λ	0.035 W/mK	
Max. temperature	Permanent	130 °C
	Short term peak	150 °C

Note:

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

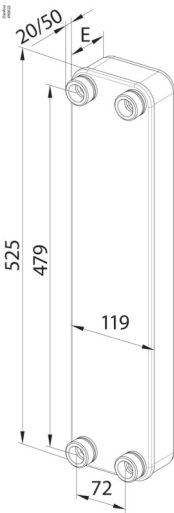


Materials

Plate material	Stainless steel, EN 1.4404 (AISI 316L)
Brazing	Copper (Cu); CoResist (Cu+); Stainless steel (StS) ¹⁾

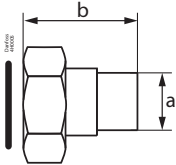
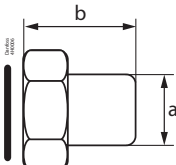
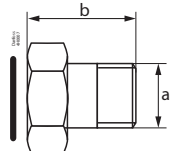
¹⁾ Available on request

Dimensions



E[mm]	
L	$10 + 2.21 \times n$
M	$10 + 1.68 \times n$
H	$10 + 1.46 \times n$

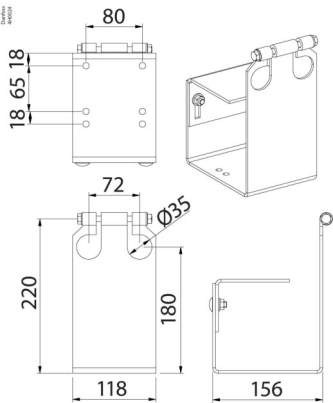
Tailpieces:

Picture	Description	Connection	a	b	SW ¹⁾	Code No.
			[mm]			
	Solder tailpieces	G 1/15 mm	20	35	37	004B2904
		G 1/18 mm	20	35	37	004B2905
		G 1/22 mm	25.6	35	37	004B2906
	Weld-on tailpieces	G 1/DN 15	21.3	40	37	004B2901
		G 1/DN 20	26	49.5	41	004B2909
		G 1/DN 25	33.5	40	37	004B2903
	Threaded tailpieces	G 1/G ¾	¾"	35	37	004B2913

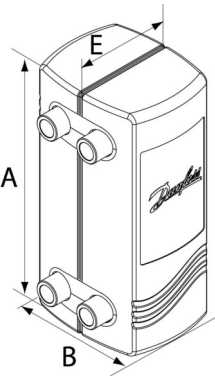
¹⁾ Union nut, width across flats



Mounting brackets



Insulation



A	B	E	Code No.
[mm]			
572	168	117	004B1721
	170	155	004B1722
	180	200	004B1723
		250	004B1725
	190	305	004B1726
	200	350	004B1727

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	SVGW 0409-4877	SVGW - Schweiz Verein des Gas und Wasserfaches	Drinking Water
UA Declaration	Danfoss UA 2023-01-10 valves PL08 PL28	Danfoss	Pressure
Manufacturer's Declaration	Danfoss MD UK-ROHS-MOD-202304-02.01	Danfoss	UK RoHS
Manufacturer's Declaration	Danfoss MD BF248486516840en-000701.01	Danfoss	Pressure
Hygienic Certificate	Kiwa K 48268-11	KIWA	Drinking Water
Manufacturer's Declaration	Danfoss MD EU-ROHS-MD-202404-01.01	Danfoss	EU RoHS
Pressure Safety Certificate	BV CE-0062-PED-H-DAF 001-24-DNK	BV - Bureau Veritas	Pressure
EU Declaration	Danfoss EU BF202407en-0001.01	Danfoss	Pressure
Export Control Declaration	Micro Plate Heat Exchangers - Not dual use	Danfoss	
Export Control Declaration	Micro Plate Heat Exchangers	Danfoss	
Hygienic Certificate	PZH B-BK-60110-0865.2025	PZH - National Institute of Hygiene	Drinking Water

Contact details

Online support

Danfoss offers a wide range of support along with our products, including digital information, software, mobile apps and expert guidance. See the possibilities below.



The Danfoss Design center

Discover the Design Center, our advanced digital platform that streamlines product selection. With integrated tools and enhanced type pages, it's simpler than ever to access product information and documentation, and to select the right products. Check the availability of Danfoss products at partner locations and enjoy seamless transitions from selection to purchase with our basket-to-basket functionality. Whether you're buying from our distributors or directly from the Product Store, the Design Center simplifies your experience. Learn more at: designcenter.danfoss.com.



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Danfoss Partner Portal/Product Data tool

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