

Calculation	#1312-250403103737	Reference	1312-250403103737	Danfoss HEXSelector 1.4.6
Engineer	Edgars Ziemelis	Datums	03.04.2025	
Customer		Contact Person		
Project		E-pasts		
Siltummaiņa t	XB59M-1-50	Product Code	004B1923	Pakāpes 1 (Parallel)

Apreķinātie parametri	vienība	Puse 1	Puse 2
Plūsmas tips		CounterCurrent	
Siltuma slodze	kW	140,00	
Ienākošā temperatūra	°C	75,0	47,0
Izejošā temperatūra	°C	50,0	67,0
Masas plūsma	kg/s	1,34	1,67
Tilpuma plūsma	L/min	81,71	101,90
Kopējais spiediena kritums	kPa	5,14	8,45
Spiediena kritums (pievienojumā)	kPa	0,09	0,16
Virsmas rezerve	%	55,66	
LMTD	K	5,1	
Siltuma pārnese koeficients (Pieejama/Nepieciešama)	W/m²·K	8906 / 5722	
Plūsmas ātrums pievienojumā	m/s	0,75	0,94
Bīdes spēks	Pa	7,29	10,37

Šķidrums īpašības	vienība	Puse 1	Puse 2
Siltumnesēja šķidrums/tips		Water	Water
Šķidrums viskozitāte	mPa·s	0,4512	0,4903
Šķidrums blīvums	kg/m³	982,7592	985,5608
Šķidrums siltumietilpība	kJ/kg·K	4,1842	4,1819
Šķidrums siltumvadītspēja	W/m·K	0,6522	0,6469

Siltummaiņa specifikācija	vienība	Puse 1	Puse 2
Siltummaiņa tips		XB59M-1-50	
Plāksņu skaits		50	
Sadalījums		1*24M/1*25M	
Plāksņu materiāls		AISI316L	
Siltuma pārnese laukums	m²	4,80	
Lodēšanas materiāls		Cu	
Tilpums	l	3,7	3,9
Svars, tukšs/piepildīts	kg	19,00 / 26,52	
Pievienojums	Iepilūdes	G 2 Thread	G 2 Thread
	Izeja	G 2 Thread	G 2 Thread
Sertifikācija/apstiprinājumi		PED 2014/68/EU, Art. 4.3	
Minimālā projektētā temperatūra	°C	-10,0	
Maksimālā projektētā temperatūra	°C	180,0	
Maksimālais projektētais spiediens	bar(g)	25,0	25,0
H371.2-1.4.6			

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Siltummaiņa t	XB59M-1-50	Product Code	004B1923	Pakāpes 1 (Parallel)

Items				
Product Code	Pcs.	Component		
004B1923	1	XB59M-1-50		

**Piezīmes**

Copper brazed stainless steel heat exchanger designed and configured for district heating systems, district cooling and other heating applications. The brazed heat exchanger features our new MICRO PLATES™, which enable heat to be transferred more effectively than in any previous model. Energy and cost savings, Longer life time, Corrosion-resistant design, Compact Design.

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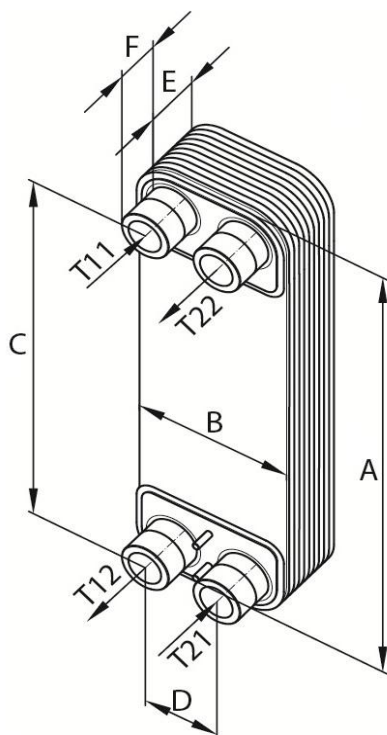
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ENGINEERING  
TOMORROW



#1312-250403103737

Type		Flow Type	Size	HEX Type:	XB59M-1-50	Weight, empty (kg)	19,00
T11		Inlet	G 2				
T12		Outlet	G 2	Code:	004B1923	Volume (l):	3,7 / 3,9
T21		Inlet	G 2				
T22		Outlet	G 2	Connection:	Thread	Sertifikācija/apstiprinājumi:	PED 2014/68/EU, Art. 4.3
				Plate Material:	AISI316L	Engineer:	Edgars Ziemelis
Dimension (mm)				Gasket Material:	--	Datums	03.04.2025 10:38:24
A : 613		B : 186					
C : 519		D : 92		Design Temperature (°C):	-10,0/180,0	Customer / Project	/
E : 99		F : 52					
				Design Pressure (bar(g)):	25,0/25,0	Contact Person:	

Measures only to be used for your reference and not to be used for engineering or construction purposes.