

Calculation	#1312-250403104131	Reference	1312-250403104131	Danfoss HEXSelector 1.4.6
Engineer	Edgars Ziemelis	Datums	03.04.2025	
Customer		Contact Person		
Project		E-pasts		
Siltummaiņa t	XB12L-1-40	Product Code	004H7666	Pakāpes 1 (Parallel)

Apreķinātie parametri	vienība	Puse 1	Puse 2
Plūsmas tips		CounterCurrent	
Siltuma slodze	kW	60,00	
Ienākošā temperatūra	°C	65,0	10,0
Izejošā temperatūra	°C	50,0	55,0
Masas plūsma	kg/s	0,96	0,32
Tilpuma plūsma	L/min	58,24	19,24
Kopējais spiediena kritums	kPa	8,08	0,54
Spiediena kritums (pievienojumā)	kPa	0,49	0,03
Virsmas rezerve	%	85,34	
LMTD	K	21,6	
Siltuma pārnese koeficients (Pieejama/Nepieciešama)	W/m²·K	4830 / 2606	
Plūsmas ātrums pievienojumā	m/s	1,21	0,40
Bīdes spēks	Pa	24,32	3,03

Šķidrums īpašības	vienība	Puse 1	Puse 2
Siltumnesēja šķidrums/tips		Water	Water
Šķidrums viskozitāte	mPa·s	0,4865	0,7609
Šķidrums blīvums	kg/m³	985,3139	995,5366
Šķidrums siltumietilpība	kJ/kg·K	4,1821	4,1763
Šķidrums siltumvadītspēja	W/m·K	0,6474	0,6164

Siltummaiņa specifikācija	vienība	Puse 1	Puse 2
Siltummaiņa tips		XB12L-1-40	
Plāksņu skaits		40	
Sadalījums		1*19L/1*20L	
Plāksņu materiāls		AISI316L	
Siltuma pārnese laukums	m²	1,06	
Lodēšanas materiāls		Cu	
Tilpums	l	0,9	0,9
Svars, tukšs/piepildīts	kg	4,73 / 6,47	
Pievienojums	Iepilūdes	G 1 Thread	G 1 Thread
	Izeja	G 1 Thread	G 1 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	XB12L-1-40	Product Code	004H7666	Pakāpes 1 (Parallel)

Items				
Product Code	Pcs.	Component		
004H7666	1	XB12L-1-40		

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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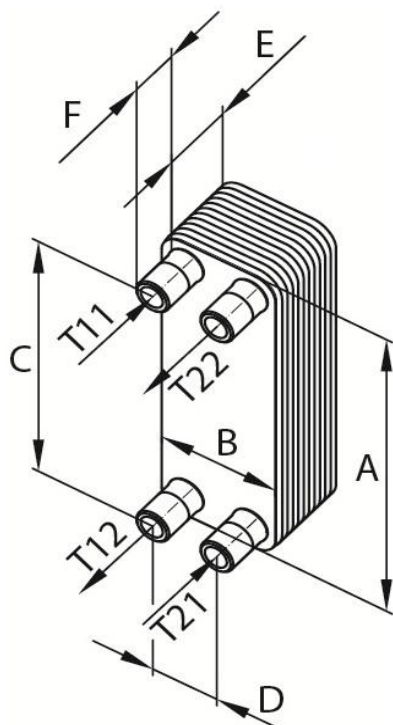
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Danfoss HEXSelector 1.4.6

ENGINEERING
TOMORROW



#1312-250403104131

Type	Flow Type	Size	HEX Type:	XB12L-1-40	Weight, empty (kg)	4,73	
T11	Inlet	G 1					
T12	Outlet	G 1	Code:	004H7666	Volume (l):	0,9 / 0,9	
T21	Inlet	G 1					
T22	Outlet	G 1	Connection:	Thread	Sertifikācija/apstiprinājumi:	PED 2014/68/EU, Art. 4.3	
			Plate Material:	AISI316L	Engineer:	Edgars Ziemelis	
Dimension (mm)							
A :	289	B :	118	Gasket Material:	--	Datums	03.04.2025 10:41:49
C :	234	D :	63				
E :	80	F :	20	Design Temperature (°C):	-10,0/180,0	Customer / Project	/
			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.