



Plate Heat Exchanger Datasheet



Danfoss Hexact(v5.3.15)

Ref.: AP20200728114208

Customer:		Contact person:	
Project: SC-2, Silikāta iela 8a, Daugavpils		E-mail:	
HEX Type:	XB12H-1-26 G 5/4 (25mm)	Engineer:	AP
Unit:	1 (Parallel)	Code:	004H7558
		Date:	28.07.2020 11:42:14

Calculated parameters	Unit	Side1	Side2
Flow Type		Counter current	
Load	kW	55,00	
Inlet temperature	°C	65,00	10,00
Outlet temperature (Specified)	°C	30,00	55,00
Outlet temperature (Actual)	°C	--	--
Mass Flowrate	kg/h	1353,0	1051,5
Volumetric Flowrate	L/min	22,977	17,521
Total pressure drop	kPa	14,33	7,84
Pressure drop - In port	kPa	0,11	0,07
Total area	m ²	0,67	
Surface margin	%	16,4	
LMTD	K	14,66	
HTC(Available / Required)	W/m ² -K	6499,2/5582,1	
Port velocity	m/s	0,47	0,36

Properties of fluid	Unit	Side1	Side2
Fluid		Water	Water
Dynamic viscosity	mPa-s	0,5730	0,7609
Density	kg/m ³	989,9	995,5
Heat capacity	kJ/kg-K	4,178	4,176
Thermal conductivity	W/m-K	0,636	0,616

Specification:	Unit	Side1	Side2
HEX Type:		XB12H-1-26 G 5/4 (25mm)	
Number of plates:	---	26	
Max.number of plates in current frame:	---	--	
Grouping:	---	1*12H/1*13H	
Plate Material:	---	EN1.4404(AISI316L)	
Gasket / Brazing Material:	---	CU	
Connection size:	---	G 5/4	
Connection type:	---	Thread	
Frame color:	---	--	
Certification/Approval type:	---	PED Art 4.3	
Volume:	L	0,32	0,347
Weight:	kg	3,51	
Design Temp. (Max/Min):	°C	65/10	
Design Pressure(Max):	bar	25	

Items:		
Code	Pcs	Components
004H7558	1	XB12H-1-26 G 5/4 (25mm)

External Dimensions:			
A (mm):	289	B (mm):	118
C (mm):	234	D (mm):	63
E (mm):	41,2	F (mm):	25
Warning: Dimensions are for reference purposes only and are not to be used for construction.			

Comments:
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.

