Danfoss Hexact(v3.2.4)

Plate Heat Exchanger Datasheet

Ref.: MI20160317093325

Customer:				*Contact person:*	
Project:				*E-mail:*	
HEX Type:	XB06H+-1-40			*Engineer:*	MI
Unit:	1 (Parallel)	Code:	00481217	*Date:*	3/17/2016 9:33:30 AM

Calculated parameters	**Unit**	**Side1**	**Side2**
Flow Type		Counter current	
Load	kW	60,00	
Inlet temperature	°C	65,00	10,00
Outlet temperature (Specified)	°C	--	55,00
Outlet temperature (Actual)	°C	21,29	--
Mass FlowRate	kg/s	0,328	0,319
Volumetric Flowrate	L/s	0,334	0,319
Surface margin	%	0,0	
LMTD	K	10,63	
HTC(Available / Required)	W/m^2-K	5502/5501	
Total pressure drop	kPa	16,15	14,67
Pressure drop - In port	kPa	0,87	0,81
Port velocity	m/s	1,23	1,19

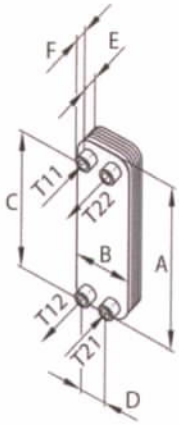
Properties of fluid	**Unit**	**Side1**	**Side2**
Fluid		Water	Water
Viscosity	uPa-s	619,0378	760,9196
Density	kg/m^3	991,7	995,5
Heat capacity	kJ/kg-K	4,176	4,176
Thermal conductivity	kW/m-K	0,001	0,001

Specification:	**Unit**	**Side1**	**Side2**
HEX Type:		XB06H+-1-40	
Number of plates:	—	40	
Max.number of plates in current frame:	—	--	
Grouping:	—	1*19H+/1*20H+	
Heat transfer area:	ft^2	11,04	
Plate Material:	—	EN1.4404(AISI316L)	
Gasket Material:	—	--	
Connection size:	—	G 3/4	
Connection type:	—	Thread	
Frame color:	—	--	
Certification/Approval type:	—	PED Art 3.3	
Volume:	mm^3	323000	340000
Weight:	kg	3,87	
Design Temp. (Max/Min):	°C	180/-10	
Design Pressure(Max):	bar	25	

Accessories:

External Dimensions:

A (mm):	320	B (mm):	95
C (mm):	270	D (mm):	45
E (mm):	71	F (mm):	20



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.

Danfoss Hexact (v2.1.3)

Plate Heat Exchanger Datasheet **Ref.:** MI20141023140144

Customer:		*Contact person:*	
Project:		*E-mail:*	
HEX Type:	XB06H+-1-40	*Engineer:*	MI
Unit:	1 (Parallel) Code: 004B1217	*Date:*	23-10-14 14:01

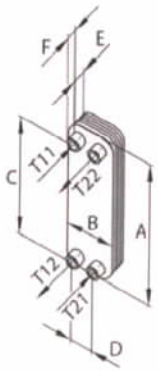
Calculated parameters	Unit	Side1	Side2
Flow Type		Counter current	
Load	kW	27,00	
Inlet temperature	°C	100,00	60,00
Outlet temperature (Specified)	°C	--	80,00
Outlet temperature (Actual)	°C	60,43	--
Mass FlowRate	kg/h	584,8	1160,1
Volumetric Flowrate	L/min	10,2	19,6
Surface margin	%	0,0	
LMTD	K	5,09	
HTC(Available / Required)	W/m^2-K	5170/5170	
Total pressure drop	kPa	4,1	13,7
Pressure drop - In port	kPa	0,2	0,9
Port velocity	m/s	0,62	1,22

Properties of fluid	Unit	Side1	Side2
Fluid		Water	Water
Viscosity	mPa-s	0,3556	0,4058
Density	kg/m^3	972,5	978,6
Heat capacity	kJ/kg-K	4,196	4,188
Thermal conductivity	W/m-K	0,667	0,659

Specification:	Unit	Side1	Side2
HEX Type:		XB06H+-1-40	
Number of plates:	---	40	
Max.number of plates in current frame:	---	--	
Grouping:	---	1*19H+/1*20H+	
Heat transfer area:	m^2	1,03	
Plate Material:	---	EN1.4404(AISI316L)	
Gasket Material:	---	--	
Connection size:	---	G 3/4 A	
Connection type:	---	Thread	
Frame color:	---	--	
Certification/Approval type:	---	PED	
Volume:	L	0,38	0,5
Weight:	kg	3,87	
Design Temp. (Max/Min):	°C	180/-10	
Design Pressure(Max):	bar	25	

Accessories:

External Dimensions:

A (mm):	320	B (mm):	95
C (mm):	270	D (mm):	45
E (mm):	71	F (mm):	20

Comments: