

Heat exchanger type **XB 36-1 80**  
 Danfoss Code **004B1080**

PED-Category	:	I	
Capacity	[kW]	97,0	
		Hot side	Cold side
Flowrate	[l/s]	0,855	1,184
Temperature in	[°C]	90,0	60,0
Temperature out	[°C]	63,0	80,0
Real temperature T12	[°C]	62,2	
LMTD	[°C]	5,1	
Pressure drop	[kPa]	2,8	5,6
Velocity in connections	[m/s]	1,7	2,4
Velocity in channels	[m/s]	0,084	0,113

**PHYSICAL DIMENSIONS**

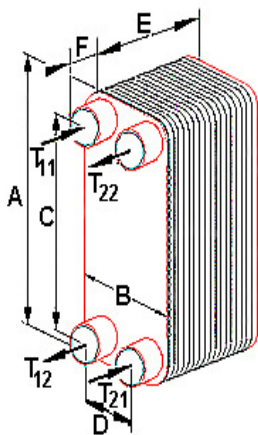
Number / elem	:	39	40
Water volume	[l]	5,46	5,60
Max. working pressure	[bar]	25	25
Max. working temperature	[°C]	180	180
Oversurfacing	[%]	25,00	
All heatsurface	[m <sup>2</sup> ]	4,18	
Total weight	[kg]	18,8	

**PHYSICAL PROPERTIES**

Hot Side flow media		Water	
Cold Side flow media		Water	
Heat capacity	[kJ/kgK]	4,194	4,189
Density	[kg/m <sup>3</sup> ]	974,2	977,8
Viscosity	[mNs/m <sup>2</sup> ]	0,381	0,408
Thermal conductivity	[W/mK]	0,668	0,663
Re		777	981

**EXTERNAL DIMENSIONS** [mm]

A - 525 B - 119 C - 476 D - 70 E - 204 F - 50



**Plates:**

Material: Steel EN 1.4404 (AISI 316 L)

**Connections:**

Material: Steel EN 1.4301 (AISI 304)

Thread: G 1"A, Length 50 mm

Gasket: External flat gasket

- T<sub>11</sub> Hot side in
- T<sub>12</sub> Hot side out
- T<sub>21</sub> Cold side in
- T<sub>22</sub> Cold side out

**Accessories**