

Heat exchanger type **XB 24-1 50**
 Danfoss Code **004B1067**

PED-Category	:	PED 97/23/EC Article 3.3	
Capacity	[kW]	109,0	
		Hot side	Cold side
Flowrate	[l/s]	0,656	0,583
Temperature in	[°C]	65,0	10,0
Temperature out	[°C]	30,0	55,0
Real temperature T12	[°C]	24,8	
LMTD	[°C]	12,2	
Pressure drop	[kPa]	12,7	12,9
Velocity in connections	[m/s]	2,3	2,1
Velocity in channels	[m/s]	0,157	0,134

PHYSICAL DIMENSIONS

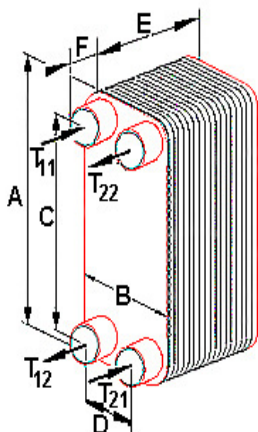
Number / elem	:	24	25
Water volume	[l]	1,44	1,50
Max. working pressure	[bar]	25	25
Max. working temperature	[°C]	180	180
Oversurfacing	[%]	47,06	
All heatsurface	[m ²]	1,75	
Total weight	[kg]	7,9	

PHYSICAL PROPERTIES

Hot Side flow media		Water	
Cold Side flow media		Water	
Heat capacity	[kJ/kgK]	4,179	4,178
Density	[kg/m ³]	990,3	994,9
Viscosity	[mNs/m ²]	0,579	0,741
Thermal conductivity	[W/mK]	0,637	0,619
Re		912	610

EXTERNAL DIMENSIONS [mm]

A - 490 B - 93 C - 442 D - 45 E - 124 F - 50



Plates:

Material: Steel EN 1.4404 (AISI 316 L)

Connections:

Material: Steel EN 1.4301 (AISI 304)

Thread: G 3/4"A, Length 20 mm

Gasket: External flat gasket

- T₁₁ Hot side in
- T₁₂ Hot side out
- T₂₁ Cold side in
- T₂₂ Cold side out

Accessories