AVOGADRO ver.170731 - DB 1.0

DATA	20.03.2019
CUSTOMER	
REFERENCE	

Evaporator Model		**P12-100 Ev-F**	
Number of circuits		1	1
Requested capacity	kW	195	
Margin	%	4,5	
PED category		---	

INPUT DATA

		PRIMARY SIDE	**SECONDARY SIDE**
Refrigerant		R407C	
Evaporating Temperature	°C	5 (Dew)	
Evaporating Pressure	bar A	5,469	
Superheating	K	5	
Condensing Temperature	°C	45 (Dew)	
Condensing Pressure	bar A	17,536	
Subcooling	K	5	
Pressure drop	kPa	83	
Fluid			WATER
Inlet Temperature	°C		15
Outlet Temperature	°C		10
Flow rate	m?/h		33,52
Pressure drop	kPa		110,0
Fouling factor	(m² K)/W		0,000043
Velocity (Inside)	*m/s*	---	*0,49*
Exchange coefficient	*W/(m? K)*	*8631*	*13223*
DTML	*°C*	*7,21*	

WARNING

Pressure drops water side higher than allowed limits.

DIMENSIONS

Surface	m?	12	
Weight	kg	46	
Channel volume	dm³	18,6	19
Height	mm	617	
Width	mm	188	
Depth	mm	239,3	
Connections		ODS 28/ODS 54	2" G/2" G

OFFER

Unit net price	Euro	

NOTES

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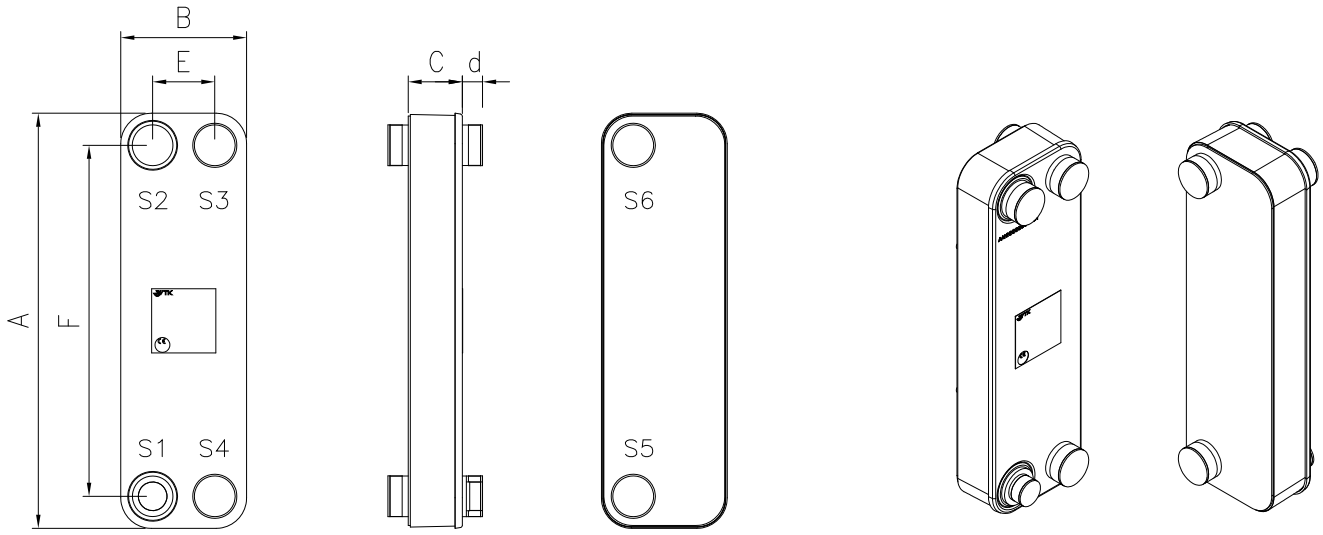
DRAWING



* Only on request

DIMENSIONS (mm)

				DATA		
A	617	S1	ODS 28	Surface	m?	12
B	188	S2	ODS 54	Weight	kg	46
C	239,3	S3	2" G			
E	92	S4	2" G			
F	519	S5*	2" G			
G	--	S6*	2" G			
d	27	S7	--			
		S8	--			

This software is only to be used as an assistance and does not replace the necessary specialist knowledge and experience when designing heat exchangers. We continuously work in order to improve and correct the software. Nevertheless we cannot guarantee its absolute infallibility. Therefore the use of the program is at the user´s risk.