

DATA	20.03.2019
CUSTOMER	
REFERENCE	

<b>Evaporator Model</b>		<b>P12-150 Ev-F</b>	
Number of circuits		1	1
Requested capacity	kW	260	
Margin	%	8,2	
PED category		---	

<b>INPUT DATA</b>		<b>PRIMARY SIDE</b>	<b>SECONDARY SIDE</b>
<b>Refrigerant</b>		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	103	
<b>Fluid</b>			WATER
Inlet Temperature	°C		15
Outlet Temperature	°C		10
Flow rate	m <sup>3</sup> /h		44,69
Pressure drop	kPa		109,6
Fouling factor	(m <sup>2</sup> K)/W		0,000043
Velocity (Inside)	m/s	---	0,44
Exchange coefficient	W/(m <sup>2</sup> K)	7046	12229
DTML	°C		7,21

**WARNING**

Water nozzle inlet velocity higher than allowed limits.  
 Nozzle outlet velocity higher than allowed limits.  
 Pressure drops water side higher than allowed limits.

**DIMENSIONS**

Surface	m <sup>2</sup>	18	
Weight	kg	65	
Channel volume	dm <sup>3</sup>	28,1	28,5
Height	mm	617	
Width	mm	188	
Depth	mm	354,3	
Connections		ODS 28/ODS 54	2" G/2" G

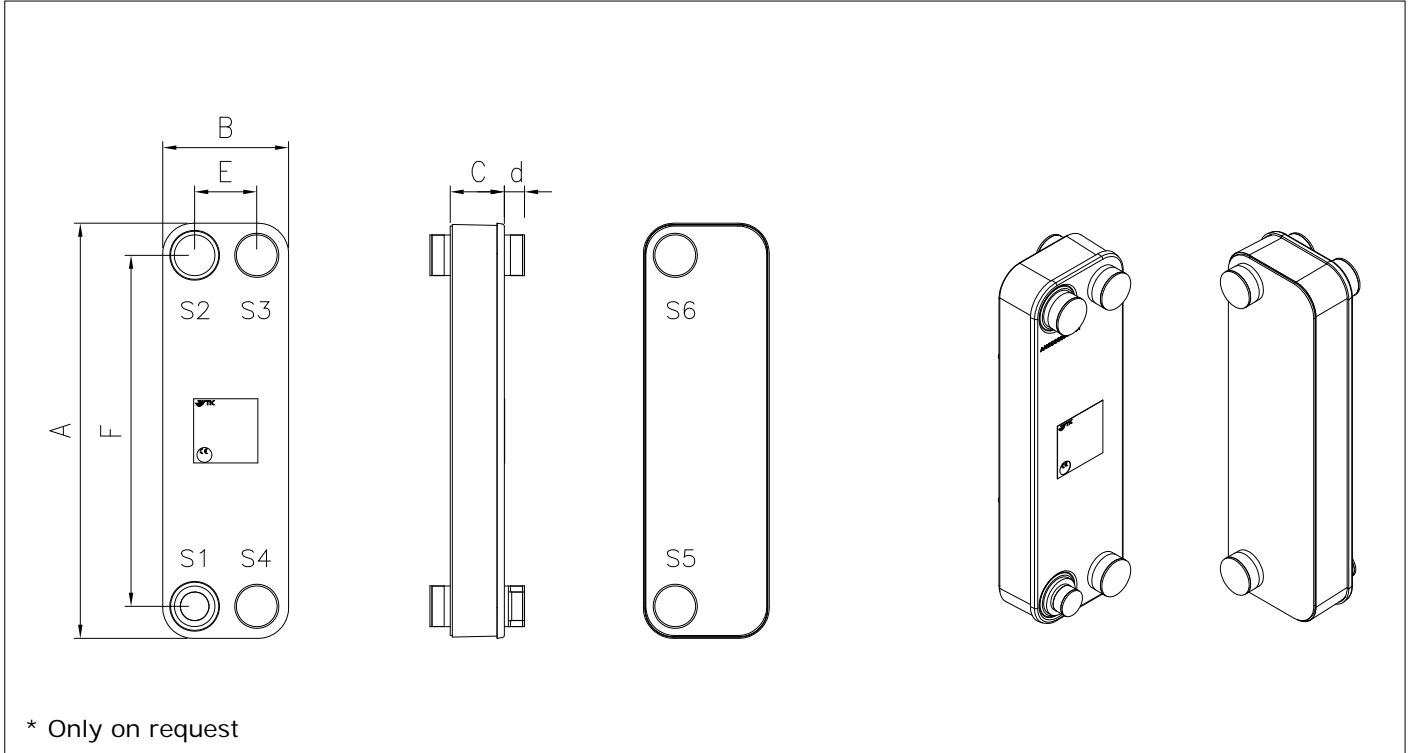
**OFFER**

Unit net price	Euro	
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**NOTES**

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**DRAWING**

**DIMENSIONS (mm)**
**DATA**

Dimension	Value	Port	Port Size	Material	Weight	Surface
A	617	S1	ODS 28	Surface	m?	18
B	188	S2	ODS 54	Weight	kg	65
C	354,3	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.