DATA	18.02.2019
CUSTOMER	
REFERENCE	

Evaporator Model		**SCE 163 2P**
Number of refrigerant circuits		1
Requested capacity	kW	160
Margin of surface	%	0,0
PED category		---

INPUT DATA

		TUBES SIDE	**SHELL SIDE**
Refrigerant		R22	
Evaporating Temperature	°C	2	
Evaporating Pressure	bar A	5,312	
Superheating	K	5	
Condensing Temperature	°C	40	
Condensing Pressure	bar A	15,336	
Subcooling	K	5	
Pressure drop	kPa	20	
Fluid			WATER
Inlet Temperature	°C		12
Outlet Temperature	°C		7
Flow rate	m³/h		27,4
Pressure drop	kPa		52
Fouling factor	(m² K)/W		0,000043
Velocity (Inside)	*m/s*	*10,36*	*1,48*
Exchange coefficient	*W/(m? K)*	*4792*	*9258*
DTML	°C	*7,21*	

WARNING

No warnings

DIMENSIONS

Surface	m?	---	9,43
Weight	kg	123	
Total volume	dm?	18	37
Overall length	mm	2310	
Shell diameter	mm	194	
In/out connections	Gas/mm	35 / 54	3"

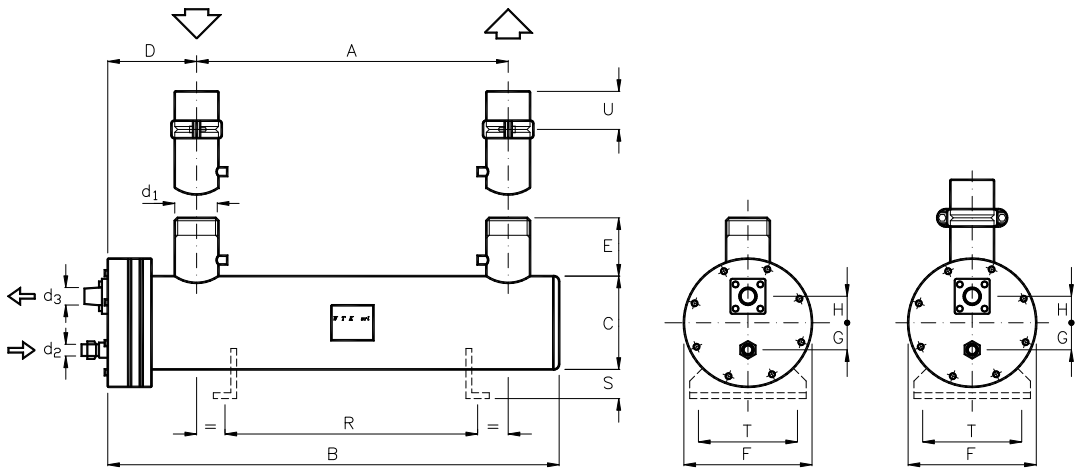
OFFER

Unit net price	Euro	

NOTES

DATA	18.02.2019
CUSTOMER	
REFERENCE	

DRAWING



DIMENSIONS (mm)

A	2030	L	0	***DATA***		
B	2310	M	0	Surface	m?	9,43
C	194	N	0	Weight	kg	123
D	178	O	0	Tubes volume (Refrig.)	dm?	18
E	130	R	1700	Shell volume (Fluid)	dm?	37
F	270	S	60	Refrig. connections In/Out	mm	35 / 54
G	50	T	160	Shell connections	Gas/mm	3"
H	45	U	N/A			
K	30	X	0			

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.