

DATA	20.02.2019	
CUSTOMER		
REFERENCE		
<b>Evaporator Model</b>	<b>SCE 53 - 4P</b>	
Number of refrigerant circuits	1	
Requested capacity	kW	53
Margin of surface	%	0,0
PED category	---	

<b>INPUT DATA</b>		<b>TUBES SIDE</b>	<b>SHELL SIDE</b>
<b>Refrigerant</b>		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	26	
<b>Fluid</b>			WATER
Inlet Temperature	°C		12
Outlet Temperature	°C		7
Flow rate	m <sup>3</sup> /h		9,1
Pressure drop	kPa		34
Fouling factor	(m <sup>2</sup> K)/W		0,000043
Velocity (Inside)	m/s	12,69	1,35
Exchange coefficient	W/(m <sup>2</sup> K)	7472	6289
DTML	°C		7,21

**WARNING**

No warnings

**DIMENSIONS**

Surface	m <sup>2</sup>	---	2,974
Weight	kg	46	
Total volume	dm <sup>3</sup>	6	11
Overall length	mm	1410	
Shell diameter	mm	140	
In/out connections	Gas/mm	22 / 35	2"

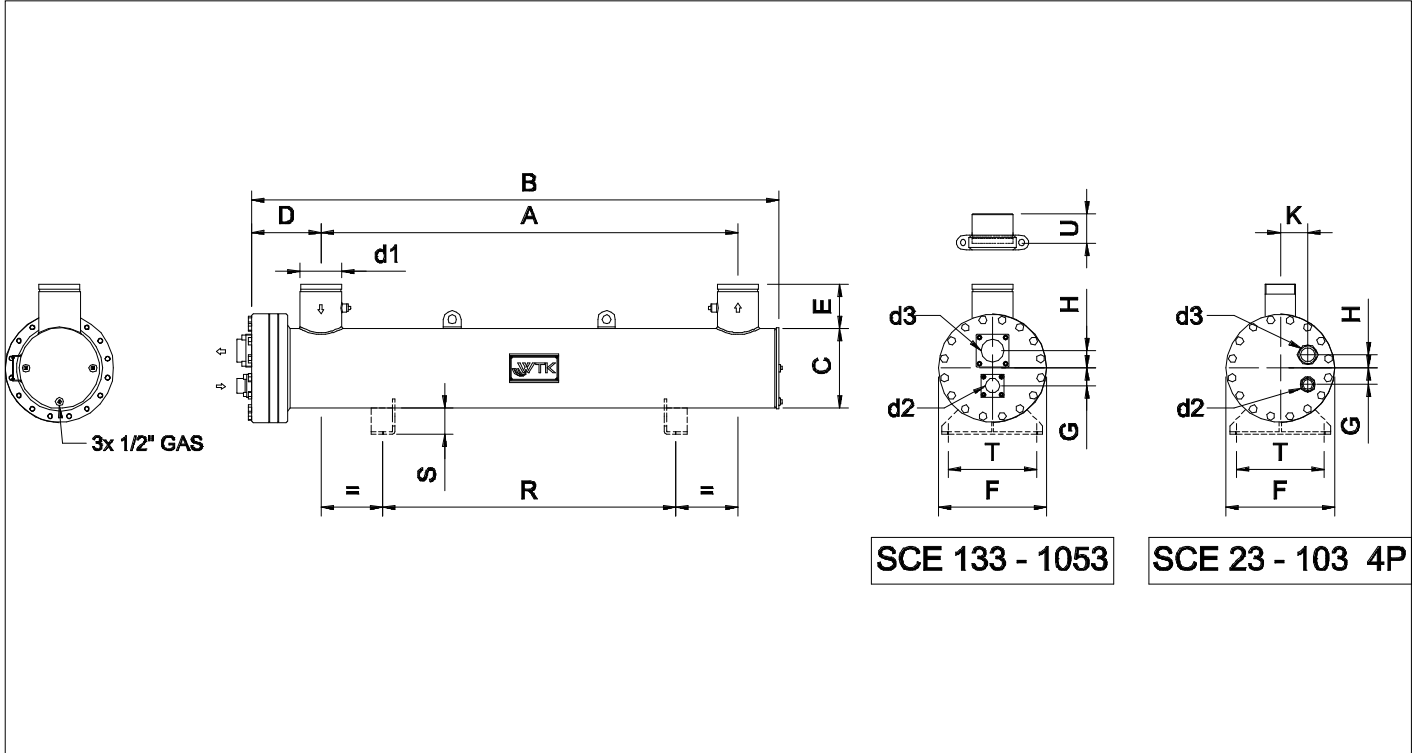
**OFFER**

Unit net price	Euro	
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**NOTES**

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**DRAWING**

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

Dimension	Value	Code	Value	Property	Unit	Value
A	1190	L	0	Surface	m?	2,974
B	1410	M	0	Weight	kg	46
C	140	N	0	Tubes volume (Refrig.)	dm?	6
D	108	O	0	Shell volume (Fluid)	dm?	11
E	130	R	950	Refrig. connections In/Out	mm	22 / 35
F	195	S	60	Shell connections	Gas/mm	2"
G	30	T	160			
H	35	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.