AVOGADRO ver.181010 - DB 1.0

DATA	20.02.2019
CUSTOMER	
REFERENCE	

Evaporator Model		**SCE 53 - 4P**
Number of refrigerant circuits		1
Requested capacity	kW	53
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	26	
Fluid			WATER
Inlet Temperature	°C		12
Outlet Temperature	°C		7
Flow rate	m³/h		9,1
Pressure drop	kPa		34
Fouling factor	(m² K)/W		0,000043
Velocity (Inside)	*m/s*	*12,69*	*1,35*
Exchange coefficient	*W/(m? K)*	*7472*	*6289*
DTML	*°C*	*7,21*	

WARNING

No warnings

DIMENSIONS

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

OFFER

Unit net price	Euro	

NOTES

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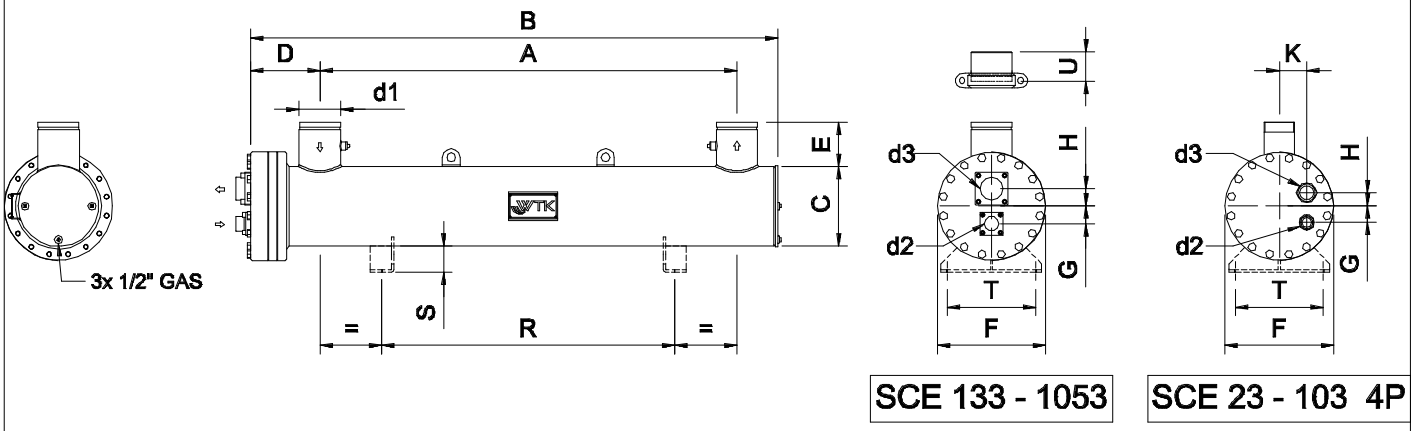
DRAWING



DIMENSIONS (mm)

				DATA		
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			