



Capacity	kW	188.368	----- sensible:	140.484
Surface reserve	%	0.557	latent:	47.885
Present surface	m2	620.797	frost:	0.000
Required surface	m2	617.357	0.5 % Oil ISO VG32	
k-coeff.	W/m2K	30.854		
Average temp. diff. ( 100.00 % )	K	9.889		

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Direct dialing

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Plant

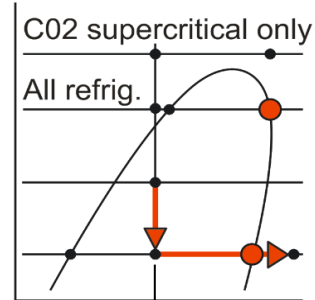
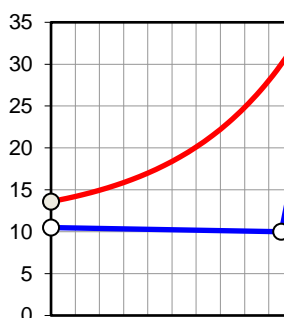
Object

Position

Air humid (ff=0.00005 m2K/W)		Inlet	Outlet	Definition
Height over sea level	m			0.000
Pressure	hPa			1013.250
Temp.	°C	32.000	13.600	20.000
Rel. humidity	%	40.000	96.423	40.000
Abs. humidity	g/kg	11.860	9.351	5.784
Density humid	kg/m3	1.148	1.224	1.200
Enthalpy humid	kJ/kg	62.569	37.302	34.805
Volume flow humid	m3/h	23647.602	22133.794	22500.000
Mass flow dry	kg/h	26837.569	26837.569	26837.569
Condensate flow	kg/h		67.351	
Surface temperature	°C	18.612	11.688	
Velocity	m/s	2.005	1.877	
Pressure drop (dry 40 Pa)	Pa		43.834	

## R410A Evaporation 10.848 bar (ff=0.00005 m2K/W)

Condensate"	°C	40.000
Condensate'	°C	39.882
Subcooling	°C	37.000
Evaporation"	°C	10.000
Superheating	°C	17.000
Mass flow	kg/h	3971.519
Volume flow	m3/h	94.744
Velocity	m/s	6.152
Pressure drop Evaporation	K	0.593
Pressure drop Capillary	bar	1.766

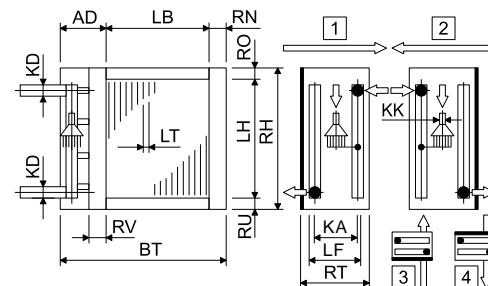


Part of steam on the inject point 21.74 %

## Technical data

Tubes total	Piece	216
Tubes blank	Piece	0
Tube rows on the depth	Piece	6
Tube rows on the height	Piece	36
Tube coupling in series	Piece	6
Number of circuits (NC)	Piece	36
Volume	l	76
Weight	kg	272
Cond. connection	KK mm	42
Steam connection	KD mm	76
Frame height	RH mm	1340
Frame width	BT mm	2807
Frame depth	RT mm	280
Finned height	LH mm	1260
Finned width	LB mm	2600
Finned depth	LF mm	210
Frame on top	RO mm	40
Frame on bottom	RU mm	40
Frame in front	RV mm	30
Frame on back (~56mm)	RN mm	56
Collector covering	AD mm	151
Collector distance	KA mm	175
Fin spacing	LT mm	2.500
Fin thickness	LD mm	0.200
Tube diameter	DA mm	13.100
Tube thickness	S mm	0.400
Tube interval on the height	S1 mm	35.000
Tube interval on the depth	S2 mm	35.000

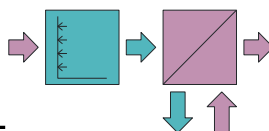
Tubes:	Cu
Tubes:	smooth
Tubes:	in line
Collectors:	Cu
Connections:	Cu
Fins:	Al
Fins:	Wave structure
Frame:	2.0 mm AlMg3
Circulations:	1 Default
Capillary:	6.00 x 1.00 x 1460.00 mm
Protection:	without
Protection:	---
Air flow direction:	horizontal



Delivery:	5-6 weeks
Validity:	12 weeks
Condit.:	net, prepaid address
Payment:	30 days net
Price net:	EUR 3928.00



Capacity	kW	244.132	----- sensible:	129.291
Surface reserve	%	0.544	latent:	114.841
Present surface	m2	620.797		
Required surface	m2	617.436		
k-coeff.	W/m2K	24.254		
Average temp. diff.	K	16.302		



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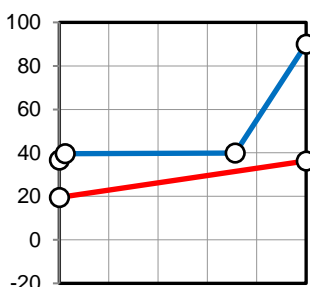
Plant  
Object  
Position

Air humid (ff=0.00005 m2K/W)		Inlet	Outlet	Definition
Height over sea level	m			0.000
Pressure	hPa			1013.250
Temp. ( 26.000 )	°C	19.518	36.300	20.000
Rel. humidity ( 55.000 )	%	100.000	53.015	40.000
Abs. humidity ( 11.529 )	g/kg	14.224	20.224	5.784
Density humid	kg/m3	1.196	1.127	1.200
Enthalpy humid	kJ/kg	55.720	88.468	34.805
Volume flow humid	m3/h	22764.851	24297.111	22500.000
Mass flow dry	kg/h	26837.569	26837.569	26837.569
Velocity	m/s	1.930	2.060	
Pressure drop (dry 41 Pa)	Pa		50.915	
Evaporation total	kg/h		233.337	

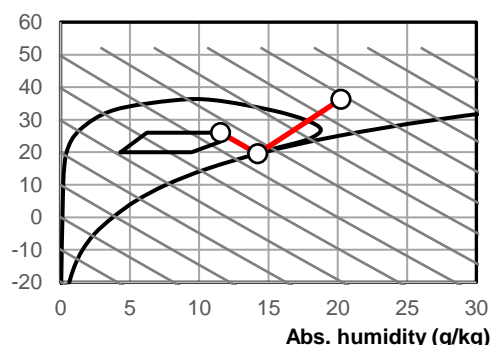
#### Agent (ff=0.00005 m2K/W)

R410A	%	99.500
Oil ISO VG32	%	0.500
Pressure	bar	24.187
Hot gas	°C	90.000
Condensation"	°C	40.000
Condensation'	°C	39.882
Subcooling	°C	37.000
Mass flow	kg/h	3822.447
Volume flow in	m3/h	37.076
Volume flow out	m3/h	3.919
Pressure drop (0.265 bar)	K	0.452

#### Temp. (°C)



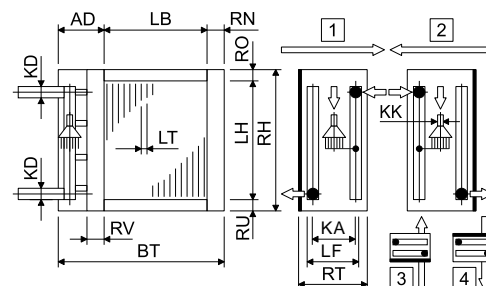
#### Temp. (°C)



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Volume	l	82
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Cond. connection	KK mm	76
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