



Capacity	kW	61.306	----- sensible:	40.184
Surface reserve	%	2.259	latent:	18.499
Present surface	m2	369.015	frost:	2.622
Required surface	m2	360.863	0.5 % Oil ISO VG32	
k-coeff.	W/m2K	16.884		
Average temp. diff. (100.00 %)	K	10.062		

Company
Branch
Street
Country / ZIP / City

Phone: xxxxxxxxxx
Fax: xxxxxxxxxx
E-Mail
Homepage

City, 09.04.2021
With the compliments of

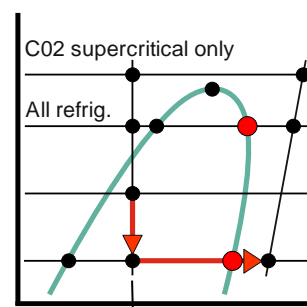
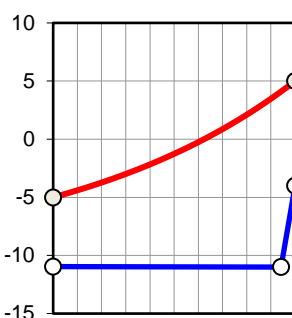
Representative
Direct dialing
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Plant
Object
Position

Air humid (ff=0.00005 m2K/W)		Inlet	Outlet	Definition
Height over sea level	m			0.000
Pressure	hPa			1013.250
Temp.	°C	5.000	-5.000	20.000
Rel. humidity	%	80.000	99.913	40.000
Abs. humidity	g/kg	4.320	2.466	5.784
Density humid	kg/m3	1.265	1.314	1.200
Enthalpy humid	kJ/kg	15.873	1.113	34.805
Volume flow humid	m3/h	11359.457	10918.675	12000.000
Mass flow dry	kg/h	14313.370	14313.370	14313.370
Condensate flow	kg/h		26.536	
Surface temperature	°C	-1.554	-7.501	
Velocity	m/s	1.943	1.868	2.053
Pressure drop (dry 87 Pa)	Pa		99.116	

R744 (CO2) Evaporation 25.740 bar (ff=0.00005 m2K/W)

Pressure supercritical	bar	90.000
Inlet	°C	80.000
Outlet	°C	30.000
Evaporation"	°C	-11.000
Superheating	°C	-4.000
Mass flow	kg/h	1312.831
Volume flow	m3/h	19.041
Velocity	m/s	1.925
Pressure drop Evaporation	K	0.049
Pressure drop Capillary	bar	1.500



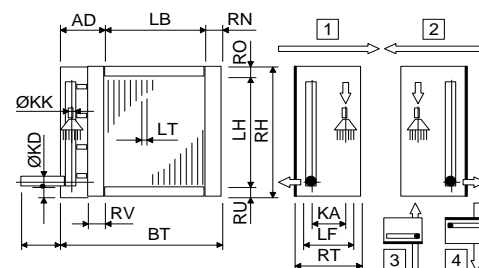
Part of steam on the inject point 39.08 %

Technical data

Frost thickness 0.23 mm - Defr. cycle 1.00 h - Defr. time 0.08 h - Availability 91.91 %

Tubes total	Piece	320
Tubes blank	Piece	8
Tube rows on the depth	Piece	10
Tube rows on the height	Piece	32
Tube coupling in series	Piece	12
Number of circuits (NC)	Piece	26
Volume	l	55
Weight	kg	239
Cond. connection	KK	mm 28
Steam connection	KD	mm 42
Frame height	RH	mm 1200
Frame width	BT	mm 1616
Frame depth	RT	mm 390
Finned height	LH	mm 1120
Finned width	LB	mm 1450
Finned depth	LF	mm 350
Frame on top	RO	mm 40
Frame on bottom	RU	mm 40
Frame in front	RV	mm 30
Frame on back (~53mm)	RN	mm 53
Collector covering	AD	mm 113
Collector distance	KA	mm 315
Fin spacing	LT	mm 2.778
Fin thickness	LD	mm 0.200
Tube diameter	DA	mm 12.400
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:	smooth	Cu
Collectors:	in line	Cu
Connections:		Cu
Fins:	smooth	Al
Frame:	2.0 mm	AISI 304
Circulations:	1	Default
Capillary:	5.00 x 1.00 x 1320.00 mm	
Air flow direction:	horizontal	



EI. heat rods: 54 x ø 8 x 1600 mm à 600 W
Frost thickness: 0.227 mm
Fin spacing: 2x5.0+8x2.5 mm

Delivery:	5-6 weeks
Validity:	12 weeks
Condit.:	net, prepaid address
Payment:	30 days net
Price net:	EUR 7665.00