



Capacity	kW	61.324	----- sensible:	40.184
Surface reserve	%	2.740	latent:	18.542
Present surface	m2	369.015	frost:	2.598
Required surface	m2	359.173	0.5 % Oil ISO VG32	
k-coeff.	W/m2K	21.682		
Average temp. diff.	K	7.875		

Company
Branch
Street
Country / ZIP / City

Phone: xxxxxxxxxx

Fax: xxxxxxxxxx

E-Mail

Homepage

City, 09.04.2021

With the compliments of

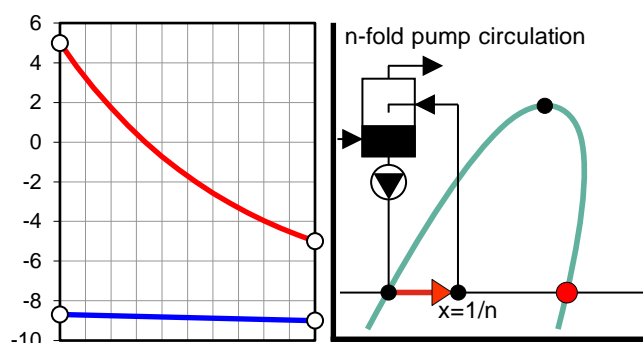
Representative
Direct dialing
xxxxxxxxxx

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	99.739	40.000
Abs. humidity	g/kg	4.320	2.462	5.784
Density humid	kg/m3	1.265	1.314	1.200
Enthalpy humid	kJ/kg	15.873	1.102	34.805
Volume flow humid	m3/h	11359.457	10918.600	12000.000
Mass flow dry	kg/h	14313.370	14313.370	14313.370
Condensate flow	kg/h		26.597	
Surface temperature	°C	-2.119	-7.081	
Velocity	m/s	1.943	1.868	2.053
Pressure drop (dry 88 Pa)	Pa		99.174	

R410A Evaporation 5.927 bar (ff=0.00005 m2K/W)

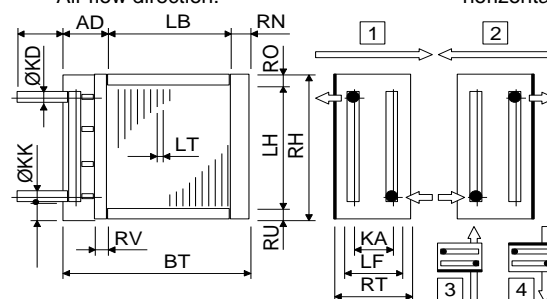
Inlet	°C	-8.687
Outlet	°C	-9.000
Pump circulation factor	n	3.000
Mass flow	kg/h	2869.406
Volume flow in	m3/h	2.384
Volume flow out	m3/h	43.737
Velocity in	m/s	0.196
Velocity out	m/s	3.592
Pressure drop Evaporation	K	0.313



Technical data

Frost thickness 0.23 mm - Defr. cycle 1.00 h - Defr. time 0.08 h - Availability 91.98 %

Tubes total	Piece	320	Tubes:	smooth	Cu
Tubes blank	Piece	0		in line	
Tube rows on the depth	Piece	10	Collectors:		Cu
Tube rows on the height	Piece	32	Connections:		Cu
Tube coupling in series	Piece	10	Fins:	smooth	Al
Number of circuits (NC)	Piece	32	Frame:	2.0 mm	AISI 304
Volume	l	57	Circulations:	1	Default
Weight	kg	246	Air flow direction:		horizontal
Cond. connection	KK	mm	42		
Steam connection	KD	mm	64		
Frame height	RH	mm	1200		
Frame width	BT	mm	1638		
Frame depth	RT	mm	410		
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	135		
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		



El. 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 7818.00