

Cooler: 35/35/12-10R-32T-1450A-2.8PA-32C-Cu/Al/AISI 304

Capacity	kW	61.250	----- sensible:	40.254
Surface reserve	%	3.256	latent:	18.408
Present surface	m2	369.015	frost:	2.588
Required surface	m2	357.379		
k-coeff.	W/m2K	14.605	----- ffi:	5.000E-05
Average temp. diff. (98.71 %)	K	11.735	ffa:	5.000E-05



Company
Branch
Street
Country / ZIP / City

Phone: xxxxxxxxxx
Fax: xxxxxxxxxx
E-Mail
Homepage

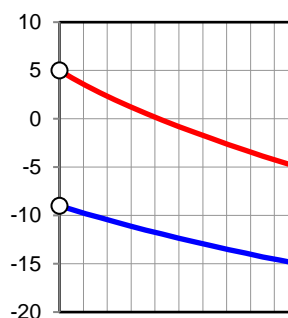
City, 9.4.2021
With the compliments of

Representative
Direct dialing
xxxxxxxxxx

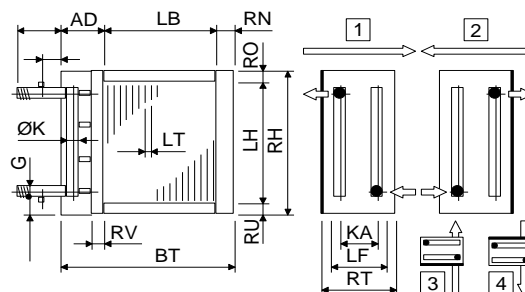
Software by www.zcs.ch

Air humid		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	100.000	40.000
Abs. humidity	g/kg	4.320	2.468	5.784
Density humid	kg/m3	1.265	1.314	1.200
Enthalpy humid	kJ/kg	15.873	1.119	34.805
Volume flow humid	m3/h	11359.457	10918.713	12000.000
Mass flow dry	kg/h	14313.370	14313.370	14313.370
Condensate flow	kg/h		26.505	
Surface temperature	°C	0.289	-7.687	
Velocity	m/s	1.943	1.868	2.053
Pressure drop (dry 87 Pa)	Pa		99.190	

Temper -20		Inlet	Outlet	Average
Temp.	°C	-15.000	-9.000	-12.000
Density	kg/m3	1150.000	1148.877	1149.451
Spec. heat	kJ/kgK	3.217	3.236	3.226
Heat cond.	W/mK	0.461	0.469	0.465
Viscosity	Pas	6.431E-03	4.926E-03	5.618E-03
Volume flow	m3/h	9.890	9.900	9.895
Velocity	m/s	0.812	0.813	0.813
Reynolds	---			1928.984
Pressure drop	kPa			35.577


Technical data Frost thickness 0.23 mm - Defr. cycle 1.00 h - Defr. time 0.09 h - Availability 91.29 %

Tubes total	Piece	320	Tubes:	smooth	Cu
Tubes blank	Piece	0		in line	
Int. vent./drains	Piece	0	Collectors:	1.35 m/s	Cu
Tube rows on the depth	Piece	10	Connections:	1.35 m/s	Rg7
Tube rows on the height	Piece	32	Fins:	smooth	Al
Tube coupling in series	Piece	10	Frame:	2.00 mm	AISI 304
Number of circuits (NC)	Piece	32	Circulations:	1	Default
Volume	l	58	Air flow direction:		horizontal
Weight	kg	241			
Connections	G	---			
Frame height	RH	mm			
Frame width	BT	mm			
Frame depth	RT	mm			
Finned height	LH	mm			
Finned width	LB	mm			
Finned depth	LF	mm			
Frame on top	RO	mm			
Frame on bottom	RU	mm			
Frame in front	RV	mm			
Frame on back (~53mm)	RN	mm			
Collector-Diameter	K	mm			
Collector covering	AD	mm			
Collector distance	KA	mm			
Fin spacing	LT	mm			
Fin thickness	LD	mm			
Tube diameter	DA	mm			
Tube thickness	S	mm			
Tube interval on the height	S1	mm			
Tube interval on the depth	S2	mm			



El. heat rods: 54 x ø 8 x 1600 mm à 550 W
Frost thickness: 0.226 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 7736.00