



Capacity	kW	108.933	----- sensible:	77.595
Surface reserve	%	0.673	latent:	31.337
Present surface	m2	341.218	frost:	0.000
Required surface	m2	338.938		
k-coeff.	W/m2K	35.915		
Average temp. diff.	K	8.949		

Company  
Branch  
Street  
Country / ZIP / City

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	13.000	20.000
Rel. humidity	%	40.000	93.911	40.000
Abs. humidity	g/kg	11.860	8.750	5.784
Density humid	kg/m3	1.148	1.227	1.200
Enthalpy humid	kJ/kg	62.569	35.171	34.805
Volume flow humid	m3/h	12612.054	11768.790	12000.000
Mass flow dry	kg/h	14313.370	14313.370	14313.370
Condensate flow	kg/h		44.516	
Surface temperature	°C	19.176	9.449	
Velocity	m/s	2.157	2.013	2.053
Pressure drop (dry 55 Pa)	Pa		59.173	

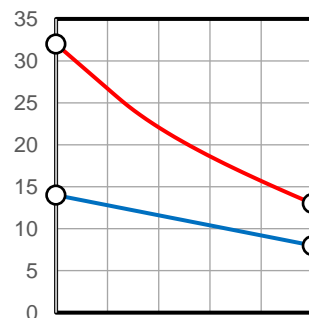
Phone: xxxxxxxxxx  
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City, 9.4.2021  
With the compliments of

Representative  
Direct dialing  
xxxxxxxxxx

Plant  
Object  
Position

Water (ff=0.00005 m2K/W)		Inlet	Outlet	Selection
Temp.	°C	8.000	14.000	10.425
Density	kg/m3	999.862	999.254	999.673
Spec. heat	kJ/kgK	4.196	4.187	4.192
Heat cond.	W/mK	0.576	0.588	0.581
Viscosity	Pas	1.386E-03	1.169E-03	1.291E-03
Volume flow	m3/h	15.472	15.481	15.475
Velocity	m/s	1.271	1.272	1.271
Reynolds	---	10637.583	12610.086	11418.717
Pressure drop	kPa		34.810	



### Technical data

Tubes total	Piece	256	Tubes:	Cu
Tubes blank	Piece	0	Tubes:	smooth
Int. vent./drains	Piece	0	Tubes:	in line
Tube rows on the depth	Piece	8	Tubes:	circular
Tube rows on the height	Piece	32	Collectors:	1.05 m/s Cu
Tube coupling in series	Piece	8	Connections:	1.05 m/s Rg7
Number of circuits (NC)	Piece	32	Fins:	Al
Volume	l	53	Fins:	smooth
Weight	kg	192	Frame:	2.00 mm AISI 304
Connections	G	2 1/2"	Circulations:	1 Default
Frame height	RH	mm 1200	Protection:	without
Frame width	BT	mm 1650	Protection:	---
Frame depth	RT	mm 350	Air flow direction:	horizontal
Finned height	LH	mm 1120		
Finned width	LB	mm 1450		
Finned depth	LF	mm 280		
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-Diameter	K	mm 76		
Collector covering	AD	mm 147		
Collector distance	KA	mm 245		
Fin spacing	LT	mm 2.500		
Fin thickness	LD	mm 0.200		
Tube diameter	DA	mm 12.400	Delivery:	5-6 weeks
Tube diameter	da	mm 12.400	Validity:	12 weeks
Tube thickness	S	mm 0.400	Condit.:	net, prepaid address
Tube interval on the height	S1	mm 35.000	Payment:	30 days net
Tube interval on the depth	S2	mm 35.000	Price net:	EUR 2865.00

