



Capacity	kW	1474.410		
Surface reserve	%	0.326		
Present surface	m2	159.609		
Required surface	m2	159.090		
k-coeff.	W/m2K	30.088	----- ffi:	5.000E-05
Average temp. diff. (98.71 %)	K	308.024	ffa:	5.000E-05

Company
Branch
Street
Country / ZIP / City

Air humid		Inlet	Outlet	Definition
Height over sea level	m			0.000
Pressure	hPa			1013.250
Temp.	°C	25.000	97.000	
Rel. humidity	%	40.000	1.393	
Abs. humidity	g/kg	7.857	7.857	
Density humid	kg/m3	1.178	0.949	
Enthalpy humid	kJ/kg	45.171	118.891	
Volume flow humid	m3/h	61595.297	76469.396	
Mass flow dry	kg/h	72000.000	72000.000	
Velocity	m/s	2.658	3.300	
Pressure drop	Pa		48.770	

Phone: xxxxxxxxxx
Fax: xxxxxxxxxx
E-Mail
Homepage

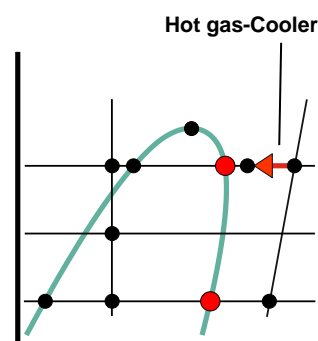
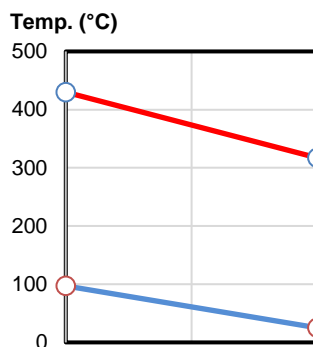
City, 09.04.2021
With the compliments of

Representative
Direct dialing
xxxxxxxxxx

Plant
Object
Position

R718 (H2O) 34.000 bar

Hot gas	in	°C	430.000	Temp. (°C)
Hot gas	out	°C	317.000	
Condensation		°C	240.898	
Density	kg/m3		17.018	
Spec. heat	J/kgK		2373.168	
Heat cond.	W/mK		0.048	
Viscosity	Pas		1.709E-05	
Mass flow	kg/h		19793.105	
Volume flow	m3/h		1163.067	
Velocity	m/s		11.454	
Pressure drop	bar		0.058	
Pressure drop	K		0.097	



Technical data

Tubes total		Piece	120	Tubes:	1.4404
Tube rows on the depth		Piece	2	Tubes:	smooth
Tube rows on the width		Piece	60	Tubes:	in line
Finned depth	LF	mm	72	Collectors:	1.4404
Finned width	LB	mm	2160	Connections:	1.4404
Finned height	LH	mm	2980	Fins:	1.4016
				Fins:	smooth
Hot gas in	KD	mm	219	Frame:	2.0 mm
Hot gas out	KK	mm	219	Protection:	without
				Protection:	---
Frame on top		mm	160		
Frame on bottom		mm	160		
Frame left		mm	50		
Frame right		mm	50		
Frame depth	RT	mm	172		
Frame width	BT	mm	2260		
Frame height	RH	mm	3300		
Volume		l	141		
Weight		kg	752		
Fin spacing	LT	mm	5.000		
Fin thickness		mm	0.500		
Tube diameter		mm	20.300		
Tube thickness		mm	1.500		
Tube interval on the width		mm	36.000		
Tube interval on the depth		mm	36.000		

Delivery:	5-6 weeks
Validity:	12 weeks
Condit.:	net, prepaid address
Payment:	30 days net
Price net:	EUR 18708.00

The technical drawing illustrates the dimensions of a heat exchanger. The front view (left) shows a rectangular unit with a grid of tubes. Dimensions include BT (total width), LB (width of the tube bundle), LH (height of the tube bundle), and RH (total height including frame). Arrows indicate gas flow: red for inlet (top left) and blue for outlet (bottom left). The side view (right) shows the profile of the unit with dimensions RT (total depth) and LF (depth of the tube bundle). A circular feature is visible on the top and bottom surfaces of the side view.

