

Capacity	kW	122.833
Surface reserve	%	0.693
Present surface	m2	654.402
Required surface	m2	649.895
k-coeff.	W/m2K	28.064
Average temp. diff.	K	6.735



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

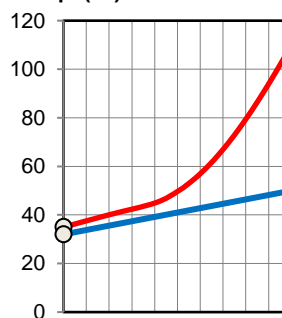
Air humid (ff=0.00005 m2K/W)

	Inlet	Outlet	Definition
Height over sea level	m		0.000
Pressure	hPa		1013.250
Temp.	°C	32.000	50.000
Rel. humidity	%	40.000	15.434
Abs. humidity	g/kg	11.860	11.860
Density humid	kg/m3	1.148	1.084
Enthalpy humid	kJ/kg	62.569	81.106
Volume flow humid	m3/h	21020.090	22259.970
Mass flow dry	kg/h	23855.617	23855.617
Velocity	m/s	2.254	2.387
Pressure drop	Pa		69.471

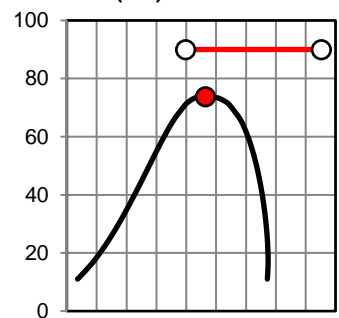
Carbon dioxide R744 (CO2) supercritical (ff=0.00005 m2K/W)

Pressure	bar	90.000
Inlet	°C	110.000
Outlet	°C	35.000
Mass flow	kg/h	1948.180
Density in	kg/m3	154.930
Density out	kg/m3	662.130
Volume flow in	m3/h	12.575
Volume flow out	m3/h	2.942
Velocity in	m/s	1.805
Velocity out	m/s	0.422
Pressure drop	kPa	10.408

Temp. (°C)



Pressure (bar)

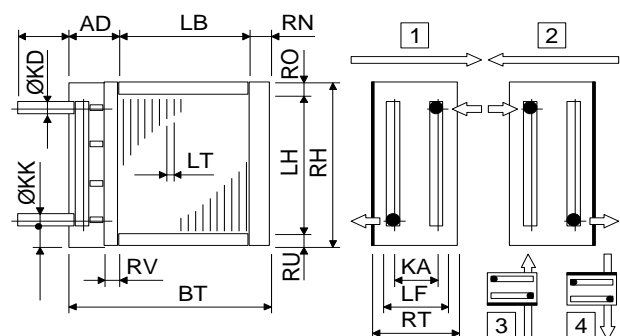
**Technical data**

Tubes total	Piece	320
Tubes blank	Piece	0
Tube rows on the depth	Piece	8
Tube rows on the height	Piece	40
Tube coupling in series	Piece	16
Number of circuits (NC)	Piece	20
Volume	l	64
Weight	kg	402
Connections	KD/KK	--- 42 / 35
Frame height	RH	mm 1480
Frame width	BT	mm 2023
Frame depth	RT	mm 320
Finned height	LH	mm 1400
Finned width	LB	mm 1850
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 (~56mm)	RN	mm 56
Collector-Diameter	K	mm 42 / 35
Collector covering	AD	mm 117
Collector distance	KA	mm 245
Fin spacing	LT	mm 2.500
Fin thickness	LD	mm 0.200
Tube diameter	DA	mm 13.100
Tube thickness	S	mm 1.000
Tube interval on the height	S1	mm 35.000
Tube interval on the depth	S2	mm 35.000

Tubes: smooth Cu
in line

Collectors: 2.9 / 1.0 m/s Cu
Connections: 2.9 / 1.0 m/s Cu
Fins: Wave structure Al
Frame: 2.00 mm AlMg3
Circulations: 1 Default
Protection: without ---

Air flow direction: horizontal



Delivery: 5-6 weeks
Validity: 12 weeks
Condit.: net, prepaid address
Payment: 30 days net
Price net: EUR 5877.00