



Capacity	kW	151.882		
Surface reserve	%	3.275		
Present surface	m2	174.270		
Required surface	m2	168.744		
k-coeff.	W/m2K	28.581	----- ffi:	5.000E-05
Average temp. diff. (98.68 %)	K	31.492	ffa:	5.000E-05

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

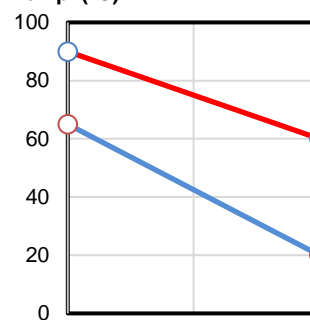
Plant
Object
Position

Air humid	Inlet	Outlet	Definition
Height over sea level	m		0.000
Pressure	hPa		1013.250
Temp.	°C	20.000 65.000	20.000
Rel. humidity	%	40.000 3.749	40.000
Abs. humidity	g/kg	5.784 5.784	5.784
Density humid	kg/m3	1.200 1.040	1.200
Enthalpy humid	kJ/kg	34.805 80.645	34.805
Volume flow humid	m3/h	10000.000 11534.998	10000.000
Mass flow dry	kg/h	11927.808 11927.808	11927.808
Velocity	m/s	2.035 2.347	2.035
Pressure drop	Pa	30.741	

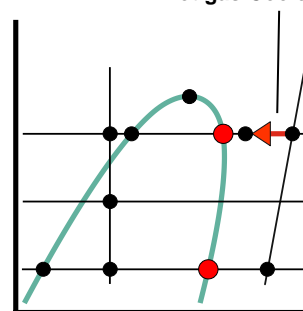
R410A 24.187 bar

Hot gas	in	°C	90.000
Hot gas	out	°C	60.000
Condensation		°C	40.000
Density	kg/m3		103.099
Spec. heat	J/kgK		1202.139
Heat cond.	W/mK		0.019
Viscosity	Pas		1.494E-05
Mass flow	kg/h		15161.150
Volume flow	m3/h		147.055
Velocity	m/s		12.884
Pressure drop	bar		0.807
Pressure drop	K		1.375

Temp. (°C)



Hot gas-Cooler



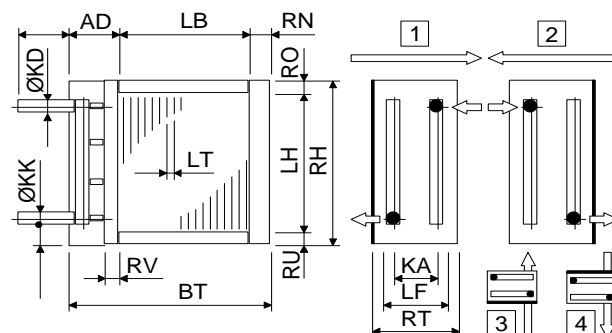
Technical data

Tubes total	Piece	120
Tubes blank	Piece	0
Tube rows on the depth	Piece	4
Tube rows on the height	Piece	30
Tube coupling in series	Piece	4
Number of circuits (NC)	Piece	30
Volume	l	32
Weight	kg	83
Hot gas in	KD	mm 89
Hot gas out	KK	mm 89
Frame height	RH	mm 1130
Frame width	BT	mm 1513
Frame depth	RT	mm 230
Finned height	LH	mm 1050
Finned width	LB	mm 1300
Finned depth	LF	mm 140
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 160
Collector distance	KA	mm 109
Fin spacing	LT	mm 2.500
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

Tubes: smooth Cu
in line

Collectors: Cu
Connections: Cu
Fins: Wave structure Al
Frame: 2.0 mm AlMg3
Circulations: 2 Parallel
Protection: without

Air flow direction: horizontal



Delivery: 5-6 weeks
Validity: 12 weeks
Condit.: net, prepaid address
Payment: 30 days net
Price net: EUR 1445.00