

Series	DM	
Model / Configuration	DM2-326-2 / STD	
Number of circuits	2	
Tube material	CU	
Required capacity	203,00	kW
Required brine temp. In/Out	-7,00 / -9,00	°C
Margin	+18,1	%
PED CATEGORY	II	-
Exchange surface (ext.)	27,30	m2
SHELL SIDE		
Fluid	Ethylen Glycol 40,0 %	
Temperature In/Out	-7,00 / -9,00	°C
Flow rate	98,500	m3/h
Pressure drop	95,37	kPa
Fouling factor	1,72E-04	m2K/W
Mean density	1070	kg/m3
Mean specific heat	3466	J/kgK
Mean thermal conductivity	0,450	W/mK
Mean viscosity	8,41	cP
Freezing point	-24,43	°C
TUBE SIDE		
Fluid	R134a	
Cond. temperature (bubble)	36,00	°C
Subcooling DT	20,00	K
Dew evap. temperature	-15,00	°C
Evaporating pressure (a)	1,63	bar
Vapor inlet quality	0,19	kg/kg
Superheating DT	5,00	K
Velocity (vapor)	8,69	m/s
Flow rate	1,176	kg/s
Pressure drop	5,01	kPa
Te (dew) at required capacity	-13,87	°C
Refrigerant side volume	48,00	dm3
Brine side volume	156,50	dm3
ODshell x L	324 x 2913	mm
Std brine connections (in-out)	6" / 6"	
Std refr. connections (in-out)	FC-A42 / FC-C90	