

Model	<b>DSE 9-4120</b>		
Fin type	35 X 35 In line		
Type of tube	9.35 Smooth C		
Fluid	R404A		
Utilized tubes	56	HxLxP [mm]	910 x 1810 x 210
Non utilized tubes	100	Outer area [m2]	73.4
Inner volume [l]	7.16	Frontal area [m2]	1.65
Headers		Inner area [m2]	2.98
Tubes per circuit	14		
AIR SIDE		SIDE -R404A	
Entering temp. [°C]	10	T. condensing liq. [°C]	40
U.R. entering [%]	70	Liquid sub-cooling [°C]	2
Outlet temp. [°C]	4.48	T. evaporation liq. [°C]	1.14
U.R. outlet [%]	93.3	T. evaporation gas [°C]	0
Flow [m3/h]	1778.868	Vapor overheating [°C]	5
Flow [kg/s]	0.611	Gas title [kgv/kg]	0.328
Frontal velocity [m/s]	0.3	Total flow [kg/h]	126
Pressure drop [Pa]	0.353	Gas velocity [m/s]	4.26
Barometric pres. [kPa]	101.325	Coil pressure drop [kPa]	22.1
Altitude [m]	0	Pressure sat [bar]	6.02
Type of calculation	Countercurrent	Total capacity [kW]	<b>4.12</b>
Corrective factor	1	Sensible capacity [kW]	<b>3.42</b>
Additional equivalent length	0	Condensed water [l/h]	1.03