

Model	DSE 6-872
Fin type	35 X 35 In line
Type of tube	9.35 Smooth C
Fluid	R404A

Utilized tubes	16	HxLxP [mm]	595 x 1010 x 105
Non utilized tubes	35	Outer area [m2]	13.4
Inner volume [l]	1.17	Frontal area [m2]	0.601
Headers		Inner area [m2]	0.475
Tubes per circuit	16		

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]	6.58	T. evaporation liq. [°C]	0.596
U.R. outlet [%]	85.2	T. evaporation gas [°C]	0
Flow [m3/h]	649.026	Vapor overheating [°C]	5
Flow [kg/s]	0.223	Gas title [kgv/kg]	0.328
Frontal velocity [m/s]	0.3	Total flow [kg/h]	26.7
Pressure drop [Pa]	0.176	Gas velocity [m/s]	3.61
		Coil pressure drop [kPa]	11.5
Barometric pres. [kPa]	101.325	Pressure sat [bar]	6.02
Altitude [m]	0		

Type of calculation	Countercurrent	Total capacity [kW]	<b>0.872</b>
Corrective factor	1	Sensible capacity [kW]	<b>0.773</b>
Additional equivalent length	0	Condensed water [l/h]	0.149