

Model	DSE 5-1270
Fin type	35 X 35 In line
Type of tube	9.35 Smooth C
Fluid	R404A

Utilized tubes	14	HxLxP [mm]	490 x 1810 x 105
Non utilized tubes	28	Outer area [m2]	19.8
Inner volume [l]	1.79	Frontal area [m2]	0.887
Headers		Inner area [m2]	0.744
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]	6.6	T. evaporation liq. [°C]	1.62
U.R. outlet [%]	85.4	T. evaporation gas [°C]	0
Flow [m3/h]	957.8521	Vapor overheating [°C]	5
Flow [kg/s]	0.329	Gas title [kgv/kg]	0.328
Frontal velocity [m/s]	0.3	Total flow [kg/h]	38.7
Pressure drop [Pa]	0.176	Gas velocity [m/s]	5.24
Barometric pres. [kPa]	101.325	Coil pressure drop [kPa]	31.6
Altitude [m]	0	Pressure sat [bar]	6.02

Type of calculation	Countercurrent	Total capacity [kW]	<b>1.27</b>
Corrective factor	1	Sensible capacity [kW]	<b>1.13</b>
Additional equivalent length	0	Condensed water [l/h]	0.2