

Model	DSE 9-1440
Fin type	35 X 35 In line
Type of tube	9.35 Smooth C
Fluid	R404A

Utilized tubes	26	HxLxP [mm]	910 x 1210 x 105
Non utilized tubes	52	Outer area [m2]	24.5
Inner volume [l]	2.25	Frontal area [m2]	1.1
Headers		Inner area [m2]	0.924
Tubes per circuit	26		

## AIR SIDE

Entering temp. [°C]	10
U.R. entering [%]	70
Outlet temp. [°C]	6.78
U.R. outlet [%]	85.4
Flow [m3/h]	1189.188
Flow [kg/s]	0.408
Frontal velocity [m/s]	0.3
Pressure drop [Pa]	0.173
Barometric pres. [kPa]	101.325
Altitude [m]	0

## SIDE -R404A

T. condensing liq. [°C]	40
Liquid sub-cooling [°C]	2
T. evaporation liq. [°C]	2.63
T. evaporation gas [°C]	0
Vapor overheating [°C]	5
Gas title [kgv/kg]	0.328
Total flow [kg/h]	43.9
Gas velocity [m/s]	5.94
Coil pressure drop [kPa]	51.8
Pressure sat [bar]	6.02

Type of calculation	Countercurrent	Total capacity [kW]	<b>1.44</b>
Corrective factor	1	Sensible capacity [kW]	<b>1.34</b>
Additional equivalent length	0	Condensed water [l/h]	0.154