

# Coolselector2

## Project information

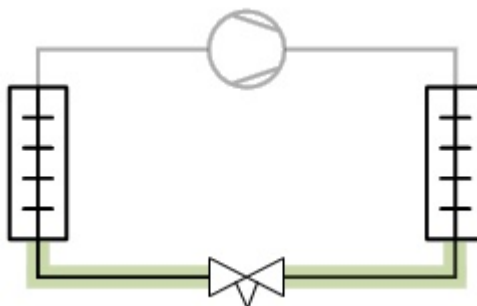
Project name:  
 Comments:  
 Created by:  
 Coolselector2 version: 3.7.1. Database: 52.52.2.23.8.33  
 Printed: Wednesday, February 5, 2020  
 Preferences used: All applications

## Line 1

### Operating conditions

Refrigerant:	R744	Cooling capacity:	17.00 kW
Mass flow in line:	0.06779 kg/s	Heating capacity:	21.23 kW
Evaporating temperature:	-35.0 °C	Condensing temperature:	-2.0 °C
Evaporating pressure:	12.05 bar	Condensing pressure:	33.05 bar
Useful superheat:	5.0 K	Subcooling:	2.0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Discharge temperature:	54.5 °C		

**System and line:** Dry - Liquid line



### Line total

Pressure drop	0.238 bar
Saturation temperature drop	0.3 K

### Position 1. Piping: Stainless steel pipe DIN-EN SS 8



Length	11.95 m
Angle	0 deg
Pressure drop	0.238 bar
Saturation temperature drop	0.3 K
Velocity, in	1.15 m/s
Connection	OK