

## Project information

Project name:  
 Comments:  
 Created by: www.frigotehnie.ro  
 Coolselector2 version: 5.2.1. Database: 93  
 Printed: Tuesday 20 December 2022  
 Preferences used: All applications

## Compressors 1

### Operating conditions

Refrigerant:	R407C		
Evaporating dew point temperature:	0 °C	Condensing dew point temperature:	45,0 °C
Evaporating pressure:	4,611 bar	Condensing pressure:	17,51 bar
Useful superheat:	6,5 K	Subcooling:	2,0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Return gas temperature:	6,5 °C	Total subcooling:	2,0 K
		Liquid temperature (no glide):	43,0 °C

**Rating conditions:** *Custom*  
**Required cooling capacity:** *10,00 kW*

### Selection: SZ161-4, R407C

Match percentage (302,2%) is higher than maximum (110%).

Model	SZ161-4
Technology	Scroll
Configuration	Single
Refrigerant	R407C
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	30,22
COP cooling [W/W]	3,17
Heating [kW]	39,67
COP heating [W/W]	4,17
Power [kW]	9,524
Current [A]	17,64
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	689,9

# Coolselector2



## Selected code number and spare parts

**Code number:** SZ161-4VAI. SZ161T4VC