

## Project information

Project name: Kubitech.SRL  
 Comments:  
 Created by: www.frigotehnie.ro  
 Coolselector2 version: 5.2.0. Database: 92  
 Printed: Wednesday 14 December 2022  
 Preferences used: All applications

## Compressors 2

### Operating conditions

Refrigerant:	R449A		
Evaporating dew point temperature:	-10,0 °C	Condensing dew point temperature:	45,0 °C
Evaporating pressure:	3,613 bar	Condensing pressure:	18,86 bar
Useful superheat:	6,5 K	Subcooling:	2,0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Return gas temperature:	-3,5 °C	Total subcooling:	2,0 K
		Liquid temperature (no glide):	43,0 °C

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

### Selection: MTZ018-4, R449A

Match percentage (18,8%) is lower than minimum (90%).

Model	MTZ018-4
Technology	Reciprocating
Configuration	Single
Refrigerant	R449A
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	1,875
COP cooling [W/W]	1,81
Heating [kW]	2,808
COP heating [W/W]	2,71
Power [kW]	1,036
Current [A]	2,550
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	47,89

## Compressors 3

### Operating conditions

Refrigerant:	R449A		
Evaporating dew point temperature:	-10,0 °C	Condensing dew point temperature:	45,0 °C
Evaporating pressure:	3,613 bar	Condensing pressure:	18,86 bar
Useful superheat:	6,5 K	Subcooling:	2,0 K
Additional superheat:	0 K	Additional subcooling:	0 K
Return gas temperature:	-3,5 °C	Total subcooling:	2,0 K
		Liquid temperature (no glide):	43,0 °C
<b>Rating conditions:</b>	<i>Custom</i>		
<b>Required cooling capacity:</b>	<i>10,00 kW</i>		

### Selection: MTZ022-4, R449A

Match percentage (26,3%) is lower than minimum (90%).

Model	MTZ022-4
Technology	Reciprocating
Configuration	Single
Refrigerant	R449A
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	2,627
COP cooling [W/W]	1,92
Heating [kW]	3,970
COP heating [W/W]	2,90
Power [kW]	1,369
Current [A]	2,860
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	67,10

### Selected code number and spare parts

**Code number:** MTZ22-4VI. MTZ22JC4BVE