

Project information

Project name:
 Comments:
 Created by: www.frigotehnie.ro
 Coolselector2 version: 5.2.1. Database: 93
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 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:	<i>Custom</i>		
Required cooling capacity:	<i>10,00 kW</i>		

Selection: SY300-4, R407C

Match percentage (579,3%) is higher than maximum (110%).

Model	SY300-4
Technology	Scroll
Configuration	Single
Refrigerant	R407C
Capacity control	Fixed speed
Speed [rpm]	2900
Cooling [kW]	57,93
COP cooling [W/W]	3,19
Heating [kW]	76,09
COP heating [W/W]	4,19
Power [kW]	18,16
Current [A]	32,69
Frequency [Hz]	50
Power supply	380 - 400 V (415 V) 3 ph*
Mass flow [kg/h]	1322

Coolselector2



Selected code number and spare parts

Code number: SY300A4PBI. SY300A4PBE