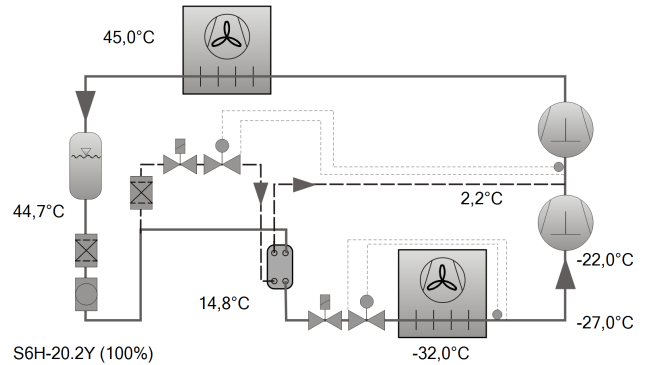




Selection: 2-stage Semi-hermetic Reciprocating Compressors

Input Values

Compressor model	S6H-20.2Y
Refrigerant	R404A
Reference temperature	Dew point temp.
Evaporating SST	-32,00 °C
Condensing SDT	45,0 °C
Operating mode	with sub cooler
Suct. gas superheat	10,00 K
Useful superheat	5,00 K
Power supply	400V-3-50Hz

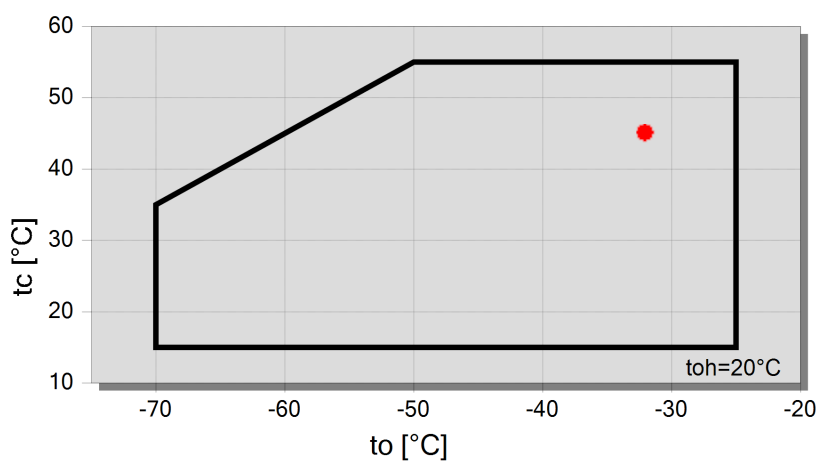


Result

Compressor	S6H-20.2Y-40P
Capacity steps	100%
Cooling capacity	22,5 kW
Cooling capacity *	17,52 kW
Evaporator capacity	21,8 kW
Power input	17,17 kW
Current (400V)	28,3 A
Voltage range	380-420V
Condenser Capacity	39,7 kW
COP/EER	1,27
COP/EER *	1,02
Mass flow LP	599 kg/h
Mass flow HP	871 kg/h
Intermed. pressure	6,48 bar(a)
Mean temperature	2,22 °C
Liquid temp.	14,82 °C

*According to EN12900 (20°C suction gas temp., 0K liquid subcooling)

Application Limits



Legend

● A