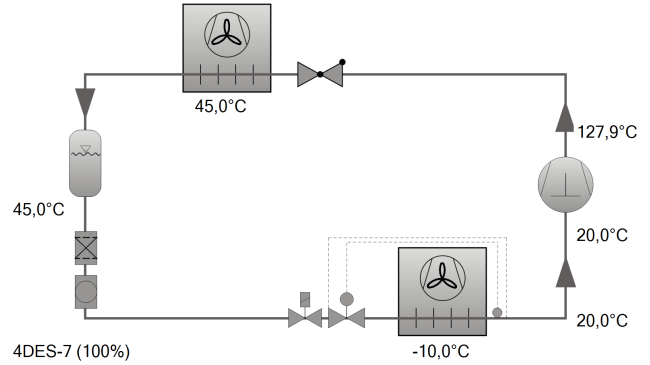




Selection: Semi-hermetic Reciprocating Compressors

Input Values

Compressor model	4DES-7
Mode	Refrigeration and Air conditioning
Refrigerant	R22
Reference temperature	Dew point temp.
Evaporating SST	-10,00 °C
Condensing SDT	45,0 °C
Liq. subc. (in condenser)	0 K
Suction gas temperature	20,00 °C
Operating mode	Auto
Power supply	400V-3-50Hz
Capacity control	100%
Useful superheat	100%



Result

Compressor	4DES-7-40S
Capacity steps	100%
Cooling capacity	12,64 kW
Cooling capacity *	12,64 kW
Evaporator capacity	12,64 kW
Power input	5,24 kW
Current (400V)	9,82 A
Voltage range	380-420V
Condenser capacity	17,87 kW
COP/EER	2,41
COP/EER *	2,41
Mass flow	274 kg/h
Operating mode	Standard
Discharge gas temp. w/o cooling	127,9 °C

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

Application Limits 100%

