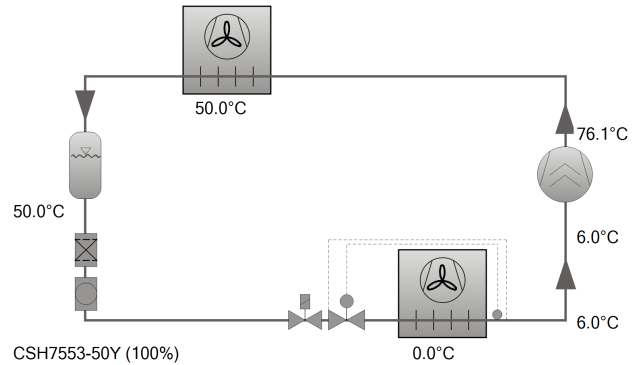




Selection: Compact Screw Compressors CS // CSV

Input Values

Compressor model	CSH7553-50Y
Refrigerant	R134a
Reference temperature	Dew point temp.
Evaporating SST	0 °C
Condensing SDT	50.0 °C
Liq. subc. (in condenser)	0 K
Suct. gas superheat	6.00 K
Useful superheat	100%
Operating mode	Standard
Power supply	400V-3-50Hz
Capacity control	100%
Additional cooling	Automatic
Max. discharge gas temp.	110.0 °C



Result

Compressor	CSH7553-50Y-40P
Capacity steps	100%
Cooling capacity	84.8 kW
Cooling capacity *	85.4 kW
Evaporator capacity	84.8 kW
Power input	32.8 kW
Current (400V)	56.8 A
Voltage range	380-415V
Condenser capacity	117.5 kW
COP/EER	2.59
COP/EER *	2.61
Mass flow LP	2321 kg/h
Mass flow HP	2321 kg/h
Operating mode	Standard
Liquid temp.	50.0 °C
Oil volume flow	1.08 m³/h
Cooling method	--
Discharge gas temp. w/o cooling	76.1 °C

*According to EN12900 (10K suction gas superheat, 0K liquid subcooling, see tech. data/ notes)

Application Limits Standard CSH7553-50

