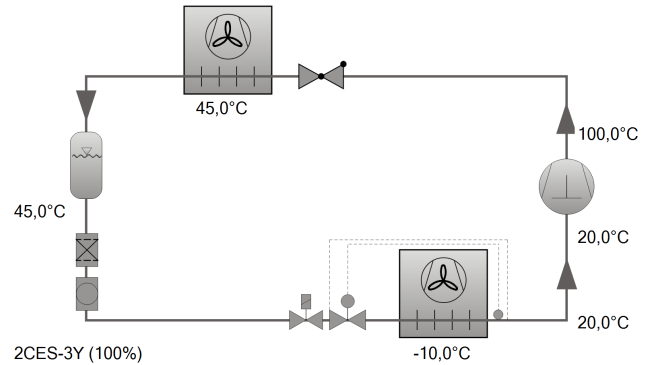




Selection: Semi-hermetic Reciprocating Compressors

Input Values

| | |
|---------------------------|------------------------------------|
| Compressor model | 2CES-3Y |
| Mode | Refrigeration and Air conditioning |
| Refrigerant | R134a |
| 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 | 2CES-3Y-40S |
| Capacity steps | 100% |
| Cooling capacity | 4,95 kW |
| Cooling capacity * | 4,95 kW |
| Evaporator capacity | 4,95 kW |
| Power input | 2,09 kW |
| Current (400V) | 4,58 A |
| Voltage range | 380-420V |
| Condenser capacity | 7,04 kW |
| COP/EER | 2,37 |
| COP/EER * | 2,37 |
| Mass flow | 115,9 kg/h |
| Operating mode | Standard |
| Discharge gas temp. w/o cooling | 100,0 °C |



Tentative Data.

*Compressor-Performance data certified by ASERCOM (see T.Data/ Notes)

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

Application Limits 100%

