



### Compressor Selection: Open-Type Reciprocating Compressors

#### Input Values

Compressor model	4G.2Y-K	Useful superheat	100%
Refrigerant	R404A	Motor speed	1450 /min
Reference temperature	Dew point temp.	Drive	Coupling (1:1)
Liq. subc. (in condenser)	0 K	Capacity Control	100%
Suction gas temperature	20,00 °C		

#### Result

tc [W]	Q [W]	Cooling capacity	COP [-]							
			5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Q* [W]	Q* [W]	Cooling capacity *								
P [kW]	P [kW]	Power input								
Qc [W]	Qc [W]	Condenser Capacity								
			COP* [-]							
			m [kg/h]							
			n [/min]							
			COP/EER							
			COP/EER *							
			Mass flow							
			Compr. speed							

-- No calculation possible (see message in single point selection)  
 \*According to EN12900 (20°C suction gas temp., 0K liquid subcooling)

#### Application Limits Standard



