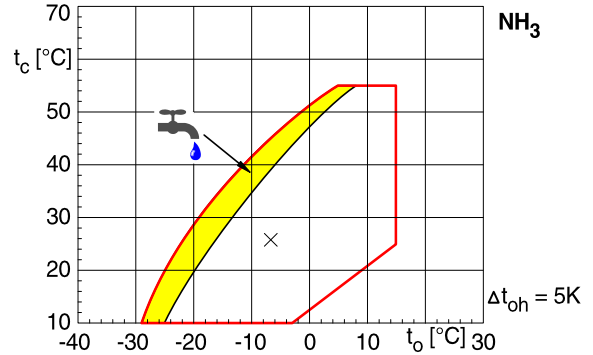


### Compressor Selection: Open-Type Reciprocating Compressors

#### Input Values

Compressor model	<b>W6FA</b>
Refrigerant	R717 [NH3]
Reference temperature	Dew point temp.
Evaporating SST	-7°C
Condensing SDT	25°C
Liquid subcooling	0K
Suct. gas superheat	5K
Compr. speed	1450 /min
Useful superheat	100%
Capacity Control	100%

#### Application Limits



#### Output

Compressor model	<b>W6FA</b>
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Cooling capacity	108.0 kW
Cooling capacity *	108.0 kW
Evaporator capacity	108.0 kW
Shaft power	20.6 kW
Condensing capacity	128.6 kW
COP/EER	5.25
COP/EER *	5.25
Mass flow	339 kg/h
Operating mode	Coupling (1:1)
Compr. speed	1450 /min
Necces. driving motor	22.0 kW
Discharge gas temp. w/o cooling	101.3 °C

Starting point for motor selection see T. Data/ Notes

\*According to EN12900 (5K suction gas superheat, 0K liquid subcooling)