



Version 5.2

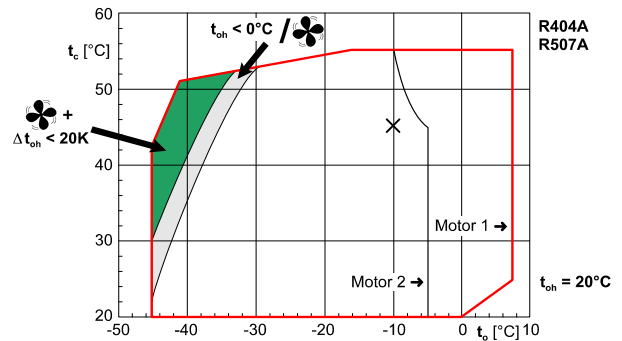
2010.04.29 / All data subject to change.

Compressor Selection: Semi-hermetic Reciprocating Compressors

Input Values

Compressor model	4TCS-12.2Y
Refrigerant	R404A
Reference temperature	Dew point temp.
Evaporating SST	-10°C
Condensing SDT	45°C
Liquid subcooling	0K
Suction gas temperature	20°C
Power supply	400V-3-50Hz
Useful superheat	100%
Capacity Control	100%

Application Limits (R404A/R507A)



Output

Compressor model	4TCS-12.2Y-40P
Cooling capacity	20.4 kW
Cooling capacity *	20.4 kW
Evaporator capacity	20.4 kW
Power input	9.09 kW
Current (400V)	16.12 A
Voltage range	380-420V
Condensing capacity	29.5 kW
COP/EER	2.24
COP/EER *	2.24
Mass flow	611 kg/h
Operating mode	Standard
Discharge gas temp. w/o cooling	92.2 °C



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

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