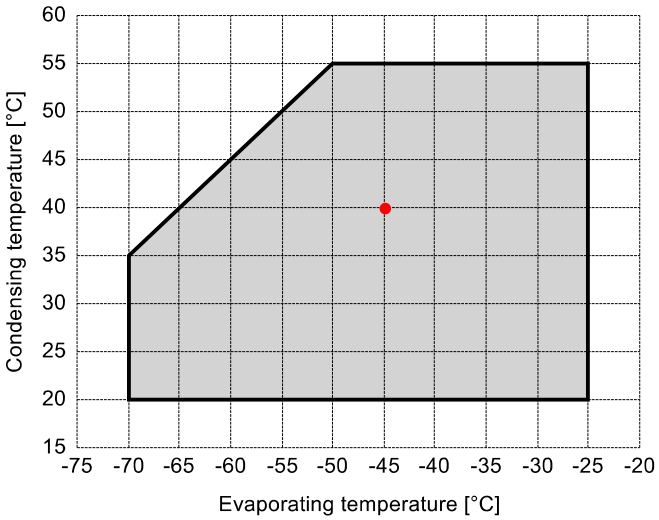
System data

Refrigerant		R404A
Reference temperature		Dew point temperature
Calculation mode		Refrigeration / Air Cond.
Operating mode		Subcritical
Power supply		400/3/50
Condensing temperature	°C	40
Condensing pressure	bar	18,17
Liquid subcooling	K	0
Liquid temperature	°C	-0,39
Eco subcooling	K	10
Evaporating temperature	°C	-45
Evaporating pressure	bar	1,05
Suction gas temperature	°C	20
Useful fraction of superheating	%	100



Output data

Compressor :		**S5-26.16Y**
Number of compressors :		FSx1
Refrigerating capacity	kW	5,238
Refrigerating capacity [*ref]	kW	3,619
Evaporator capacity	kW	5,238
Power input	W	4385
Condenser capacity, theor.	kW	9,623
Current	A	8
COP/EER	W/W	1,19
Mass flow	kg/h	97
Operating frequency	Hz	50
Connection	-	PWS
Operating mode	-	100%, ECO
Discharge temperature	°C	140,54
Liquid temperature	°C	-0,39
Sat. intermediate temp. (bubble)	°C	-10,39
Intermediate pressure	bar	4,37
Mass flow, injection	kg/h	53
Mass flow, compressor outlet	kg/h	150
Capacity, economiser heat exch.	kW	1,619
Ratio (%)	%	100,0%
Note	-	
Oil flow	l/min	-
Heat Exchanged (oil Cooler)	kW	-
Oil Temp. at Oil Cooler Outlet	°C	-
Certified by	-	Frascold

Note:

- Discharge temperature too high! Additional cooling required

Certified by:

- Frascold tentative data

Legend:

*ref: At conditions according to EN12900
- Suction gas temperature = 20 °C
- Liquid subcooling = 0 K