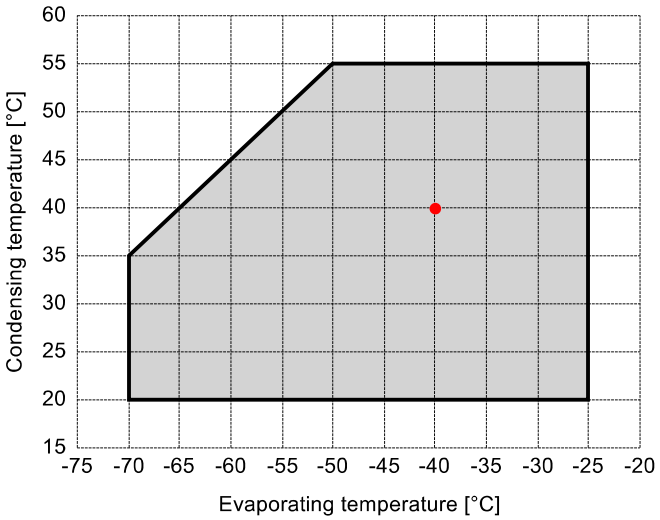
Customer: General
Project: General
Note: MBF10-Small

Frascold Selection Software 3 v1.10 - 26.12.2018

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	-1,94
Eco subcooling	K	5
Evaporating temperature	°C	-40
Evaporating pressure	bar	1,33
Suction gas temperature	°C	20
Evaporator superheating	K	10



Output data

Compressor :		**S7-27.19Y**
Number of compressors :		FSx1
Refrigerating capacity	kW	7,198
Refrigerating capacity [*ref]	kW	4,913
Evaporator capacity	kW	5,655
Power input	W	5580
Condenser capacity, theor.	kW	12,777
Current	A	10,98
COP/EER	W/W	1,01
Mass flow	kg/h	132
Operating frequency	Hz	50
Connection	-	PWS
Operating mode	-	100%, ECO
Discharge temperature	°C	133,5
Liquid temperature	°C	-1,94
Sat. intermediate temp. (bubble)	°C	-6,94
Intermediate pressure	bar	4,91
Mass flow, injection	kg/h	74
Mass flow, compressor outlet	kg/h	206
Capacity, economiser heat exch.	kW	2,284
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

All data subject to change without notice