

SELCMP20.EXE - 5 X

09:35:14

File Options Information

Data Input 1

Reference Compressor Unit	SUB07
Frequency	50 Hz
Refrigerant	NH3
Capacity	kW
Evaporating Temp	-40 °C
Condensing Temp	-10 °C

ABB Stal Refrigeration

Stal-Select Compressors 2.0A

Calculated Results 3

Compressor	SUB07
Refrigerant	NH3
Frequency	50 Hz
Operation Mode	vi=2.6
T2 Evaporating State	-40.0 °C
T1 Condensing State	-10.0 °C
Te Economizer State	°C
Subcooling	0.0 °C
Total Superheating	0.0 °C
Useful Superheating	0.0 °C
P-drop Suction Line	0.0 °C
P-drop Discharge Line	0.0 °C
Q2 Refrigerating Capacity	539.0 kW
Q1 Heating Capacity	656.8 kW
Assumed Oil Temperatur	30.0 °C
Q3 Oil Cooling Demand	43.5 kW
Ns Shaft Power	117.8 kW
COP	4.58

Selections 2

Nr	Compressor	T2	T1	Q2	Ns/*Nc
A001	SUB07	-40	-10	539	118

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