

Rating Conditions
 11.1 K Superheat
 8.3 K Subcooling
 35 °C Ambient Air Over

Compressor Information			
Compressor Model:	CR42K6-PFZ	Phase:	1
Refrigerant:	R-22	Frequency (Hz):	50
Volts:	220-240	RApplication	Air Conditioning
RLA (MCC/1.4) (Amps):	17.7	MCC (Amps):	24.8
RLA (MCC/1.56) (Amps):	15.9	LRA (Amps)	104.0
HP:	NA		

Inputs			
Condensing Temperature (°C):	54.4	Evaporator Superheat (K):	11.1
Evaporator Temperature (°C):	7.2	Compressor Superheat (K):	11.1
Return Gas Temperature (°C):	18.3	Total Subcooling (K):	8.3

Results			
Compressor Capacity (W):	10,300	Refrigerant Flow Rate (gm/s):	65.0
Net Refrigeration Effect (W):	10,300	Current (Amps):	15.4
Power (W):	3,240	Isentropic Efficiency (%):	65.7
Compressor COP:	3.18	Liquid Temp. (°C):	46.1
Evaporator COP:	3.18	Discharge Temp. (°C):	95.0
Refrigerant Flow Rate (lb/hr):	13,540		-

Note: Net Refrigeration Capacity is the amount of useful cooling delivered to refrigerated space
 Accuracy: Discharge Temperature Estimation +/- 10 °F.