Performance Data Sheet

RKA5518CFZ

General Information

Model	RKA5518CFZ	**Refrigerant**	R407C
Test Condition	Tecumseh Europe	**Performance Test Voltage**	230V ~ 50HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)				
		30	40	50	60	70
-25	Watts (Capacity)	1830				
	Watts (Power)	629				
	Amps	3.00				
-23.3	Watts (Capacity)	1850	1540			
	Watts (Power)	656	783			
	Amps	3.16	3.69			
-20	Watts (Capacity)	1930	1660			
	Watts (Power)	705	832			
	Amps	3.43	3.96			
-15	Watts (Capacity)	2170	1940	1640		
	Watts (Power)	768	898	1020		
	Amps	3.78	4.31	4.89		
-10	Watts (Capacity)	2530	2320	2010	1600	
	Watts (Power)	819	953	1090	1220	
	Amps	4.03	4.60	5.21	5.87	
-6.7	Watts (Capacity)	2840	2640	2310	1860	1280
	Watts (Power)	846	984	1130	1270	1420
	Amps	4.16	4.75	5.39	6.10	6.86
-5	Watts (Capacity)	3020	2830	2490	2010	1390
	Watts (Power)	858	998	1140	1300	1450
	Amps	4.21	4.82	5.48	6.21	6.99
0	Watts (Capacity)	3650	3440	3050	2490	1740
	Watts (Power)	884	1030	1190	1370	1550
	Amps	4.29	4.97	5.71	6.51	7.38

5	Watts (Capacity)	4410	4160	3710	3040	2160
	Watts (Power)	897	1060	1230	1430	1650
	Amps	4.29	5.06	5.89	6.79	7.77
7.2	Watts (Capacity)	4780	4520	4030	3310	2360
	Watts (Power)	899	1060	1250	1460	1690
	Amps	4.26	5.07	5.95	6.91	7.93
10	Watts (Capacity)	5300	5000	4460	3670	2630
	Watts (Power)	898	1070	1270	1490	1730
	Amps	4.20	5.07	6.02	7.04	8.14
15	Watts (Capacity)	6320	5950	5300	4370	3150
	Watts (Power)	887	1070	1290	1540	1820
	Amps	4.03	5.03	6.11	7.27	8.51

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.229604E+03	5.094698E+02	2.643526E+00	
C2	1.083646E+02	5.791405E+00	-3.131596E-02	
C3	4.047365E+01	1.067593E+01	4.535075E-02	
C4	3.766318E+00	-3.724010E-01	-2.898729E-03	
C5	2.082790E+00	-2.514556E-01	1.153257E-03	
C6	-8.812872E-01	6.008770E-02	3.194350E-04	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-3.798247E-02	4.087087E-03	3.907750E-05	
C9	-3.610000E-02	6.330000E-03	5.720000E-06	
C10	-2.000000E-16	-1.000000E-16	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature