Performance Data Sheet

RGA5480CFZ

General Information

Model	RGA5480CFZ	**Refrigerant**	R407C
Test Condition	Tecumseh Europe	**Performance Test Voltage**	230V ~ 50HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)				
		30	40	50	60	70
-25	Watts (Capacity)	862				
	Watts (Power)	302				
	Amps	1.35				
-23.3	Watts (Capacity)	854	701			
	Watts (Power)	316	376			
	Amps	1.42	1.65			
-20	Watts (Capacity)	862	732			
	Watts (Power)	341	402			
	Amps	1.54	1.77			
-15	Watts (Capacity)	937	832	701		
	Watts (Power)	373	436	495		
	Amps	1.70	1.93	2.19		
-10	Watts (Capacity)	1090	998	863	686	
	Watts (Power)	398	463	528	592	
	Amps	1.81	2.06	2.34	2.63	
-6.7	Watts (Capacity)	1230	1140	1000	803	552
	Watts (Power)	411	478	546	617	689
	Amps	1.86	2.13	2.42	2.73	3.07
-5	Watts (Capacity)	1320	1230	1080	871	602
	Watts (Power)	416	484	555	628	705
	Amps	1.88	2.16	2.46	2.78	3.13
0	Watts (Capacity)	1620	1520	1350	1100	773
	Watts (Power)	426	498	576	659	748
	Amps	1.92	2.22	2.55	2.91	3.30

5	Watts (Capacity)	2000	1880	1680	1380	977
	Watts (Power)	430	506	591	685	787
	Amps	1.91	2.25	2.63	3.03	3.46
7.2	Watts (Capacity)	2190	2060	1840	1510	1080
	Watts (Power)	429	507	596	694	803
	Amps	1.90	2.26	2.65	3.07	3.53
10	Watts (Capacity)	2450	2310	2060	1690	1220
	Watts (Power)	426	507	600	705	822
	Amps	1.87	2.25	2.67	3.13	3.62
15	Watts (Capacity)	2980	2800	2490	2060	1490
	Watts (Power)	415	502	603	720	851
	Amps	1.78	2.22	2.70	3.21	3.76

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.431457E+03	2.456550E+02	1.181446E+00	
C2	5.442444E+01	2.588382E+00	-1.440226E-02	
C3	1.793457E+01	5.156679E+00	2.027951E-02	
C4	2.147157E+00	-1.800950E-01	-1.296255E-03	
C5	9.768388E-01	-1.314181E-01	5.007020E-04	
C6	-3.905759E-01	2.893666E-02	1.426960E-04	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-2.111884E-02	1.219288E-03	1.657500E-05	
C9	-1.740000E-02	3.040000E-03	2.520000E-06	
C10	-1.000000E-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