Performance Data Sheet

HGA5510CFZ

General Information

Model	HGA5510CFZ	**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)	1000				
	Watts (Power)	367				
	Amps	1.74				
-23.3	Watts (Capacity)	1000	817			
	Watts (Power)	389	462			
	Amps	1.83	2.13			
-20	Watts (Capacity)	1020	867			
	Watts (Power)	427	503			
	Amps	1.98	2.28			
-15	Watts (Capacity)	1140	1010	851		
	Watts (Power)	476	556	631		
	Amps	2.18	2.48	2.82		
-10	Watts (Capacity)	1350	1230	1070	849	
	Watts (Power)	514	598	681	764	
	Amps	2.32	2.64	3.00	3.38	
-6.7	Watts (Capacity)	1530	1430	1250	1000	689
	Watts (Power)	532	619	708	800	893
	Amps	2.38	2.72	3.10	3.50	3.94
-5	Watts (Capacity)	1650	1540	1350	1090	754
	Watts (Power)	540	629	721	816	915
	Amps	2.41	2.76	3.14	3.56	4.01
0	Watts (Capacity)	2040	1920	1700	1390	974
	Watts (Power)	555	648	749	858	974
	Amps	2.44	2.83	3.25	3.71	4.21

5	Watts (Capacity)	2530	2390	2120	1740	1240
	Watts (Power)	558	657	767	889	1020
	Amps	2.43	2.86	3.33	3.84	4.39
7.2	Watts (Capacity)	2770	2620	2330	1910	1360
	Watts (Power)	556	657	772	900	1040
	Amps	2.40	2.86	3.35	3.89	4.47
10	Watts (Capacity)	3110	2930	2610	2150	1540
	Watts (Power)	550	655	775	910	1060
	Amps	2.36	2.84	3.37	3.95	4.56
15	Watts (Capacity)	3780	3560	3170	2610	1880
	Watts (Power)	530	641	772	921	1090
	Amps	2.23	2.79	3.39	4.03	4.72

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.805756E+03	3.194493E+02	1.504725E+00	
C2	7.089894E+01	3.345341E+00	-1.917158E-02	
C3	2.262404E+01	6.717957E+00	2.585225E-02	
C4	2.640000E+00	-2.510000E-01	-1.640000E-03	
C5	1.250000E+00	-1.690000E-01	6.050000E-04	
C6	-4.930000E-01	3.760000E-02	1.820000E-04	
C7	-1.470000E-16	1.290000E-18	-4.370000E-21	
C8	-2.580000E-02	7.530000E-04	1.940000E-05	
C9	-2.250000E-02	3.920000E-03	3.140000E-06	
C10	-2.710000E-16	-1.460000E-16	-3.810000E-19	

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