



Tecumseh

Performance Data Sheet

RGA5512CFZ

General Information

Model	RGA5512CFZ	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)	1070				
	Watts (Power)	392				
	Amps	1.74				
-23.3	Watts (Capacity)	1070	877			
	Watts (Power)	415	494			
	Amps	1.85	2.16			
-20	Watts (Capacity)	1110	945			
	Watts (Power)	457	538			
	Amps	2.06	2.37			
-15	Watts (Capacity)	1260	1120	942		
	Watts (Power)	511	596	677		
	Amps	2.32	2.65	3.00		
-10	Watts (Capacity)	1490	1370	1190	943	
	Watts (Power)	553	642	732	821	
	Amps	2.52	2.87	3.25	3.66	
-6.7	Watts (Capacity)	1700	1580	1390	1110	765
	Watts (Power)	573	667	763	861	962
	Amps	2.61	2.98	3.39	3.83	4.30
-5	Watts (Capacity)	1830	1710	1500	1210	837
	Watts (Power)	582	677	776	879	986
	Amps	2.64	3.03	3.45	3.90	4.40
0	Watts (Capacity)	2260	2120	1880	1540	1080
	Watts (Power)	600	701	810	927	1050
	Amps	2.70	3.13	3.60	4.11	4.65

5	Watts (Capacity)	2780	2620	2340	1920	1360
	Watts (Power)	605	713	832	965	1110
	Amps	2.70	3.18	3.70	4.27	4.88
7.2	Watts (Capacity)	3040	2870	2560	2100	1500
	Watts (Power)	604	714	839	978	1130
	Amps	2.67	3.18	3.73	4.33	4.97
10	Watts (Capacity)	3400	3210	2860	2350	1690
	Watts (Power)	599	713	844	992	1160
	Amps	2.62	3.17	3.76	4.40	5.08
15	Watts (Capacity)	4110	3870	3450	2840	2050
	Watts (Power)	581	702	845	1010	1190
	Amps	2.48	3.10	3.76	4.48	5.25

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.996217E+03	3.454503E+02	1.665347E+00	
C2	7.628272E+01	3.778066E+00	-1.949798E-02	
C3	2.499519E+01	7.253328E+00	2.860461E-02	
C4	2.703099E+00	-2.713577E-01	-1.911664E-03	
C5	1.359456E+00	-1.760813E-01	7.190330E-04	
C6	-5.444914E-01	4.071482E-02	2.012130E-04	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-2.656479E-02	1.050992E-03	1.908380E-05	
C9	-2.430000E-02	4.250000E-03	3.590000E-06	
C10	-1.000000E-16	-1.000000E-16	0.000000E+00	

$$\text{Value} = C1 + C2 * T_e + C4 * T_e^2 + C7 * T_e^3 + (C3 + C5 * T_e + C8 * T_e^2) * T_c + (C6 + C9 * T_e) * T_c^2 + C10 * T_c^3$$

T_e = Evaporator Temperature

T_c = Condensing Temperature