Tecumseh

Performance Data Sheet

AHC4522ZKZ

General

Model	AHC4522ZKZ	**Unit of Measure**	Celsius
Condition	EN12900	**Voltage/Frequency**	220V 3~ 50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	3PH

Performance Information

EVAP TEMP (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	4300	3920	3520	3110	2690	2270	1840	1430
	Watts (Power)	1430	1480	1530	1580	1640	1690	1740	1790
	Amps	5.28	5.44	5.61	5.78	5.95	6.12	6.29	6.45
-5	Watts (Capacity)	4640	4240	3820	3380	2930	2480	2030	1590
	Watts (Power)	1470	1530	1590	1650	1710	1760	1820	1880
	Amps	5.35	5.53	5.72	5.91	6.10	6.29	6.48	6.66
0	Watts (Capacity)	5770	5280	4780	4260	3720	3180	2640	2100
	Watts (Power)	1580	1660	1740	1820	1900	1980	2050	2130
	Amps	5.58	5.81	6.05	6.29	6.53	6.77	7.02	7.26
5	Watts (Capacity)	7060	6480	5880	5260	4630	3990	3340	2690
	Watts (Power)	1670	1770	1860	1960	2060	2160	2260	2360
	Amps	5.83	6.11	6.39	6.68	6.96	7.25	7.53	7.81
7.2	Watts (Capacity)	7690	7070	6420	5750	5070	4370	3680	2980
	Watts (Power)	1710	1810	1910	2020	2130	2230	2340	2440
	Amps	5.94	6.24	6.54	6.84	7.15	7.45	7.75	8.05
10	Watts (Capacity)	8540	7860	7140	6410	5660	4900	4140	3370
	Watts (Power)	1740	1860	1970	2090	2200	2320	2430	2550
	Amps	6.10	6.42	6.74	7.06	7.38	7.70	8.02	8.34
15	Watts (Capacity)	10200	9420	8580	7720	6840	5950	5050	4150
	Watts (Power)	1800	1930	2060	2190	2320	2450	2580	2710
	Amps	6.40	6.74	7.09	7.44	7.79	8.13	8.48	8.83

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.977390E+03	1.152210E+03	4.189025E+00	
C2	3.360730E+02	-4.219813E+00	-1.019377E-02	
C3	-4.728660E+01	1.286392E+01	4.444168E-02	
C4	5.116320E+00	-9.787430E-02	1.459395E-03	
C5	-2.888960E+00	7.971713E-01	1.940385E-03	
C6	-1.064930E+00	5.828130E-02	7.355620E-05	
C7	2.037170E-02	0.000000E+00	0.000000E+00	
C8	-5.656780E-02	-7.587586E-03	-3.285580E-05	
C9	-9.069260E-03	-5.370000E-05	-2.340000E-07	
C10	6.187920E-03	-3.660000E-04	-4.860000E-07	

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