



Tecumseh

Performance Data Sheet

AJE4517ZHZ

General Information

Model	AJE4517ZHZ	Refrigerant	R-404A
Test Condition	Tecumseh Europe	Performance Test Voltage	220V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	Motor Type	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-6.7	Watts (Capacity)	4100	3770	3440	3110	2780	2450	2120	1790
	Watts (Power)	1300	1350	1390	1440	1490	1530	1580	1620
	Amps	6.51	6.72	6.92	7.13	7.34	7.55	7.76	7.97
-5	Watts (Capacity)	4410	4060	3710	3360	3010	2660	2310	1950
	Watts (Power)	1330	1380	1430	1480	1540	1590	1640	1700
	Amps	6.67	6.90	7.14	7.37	7.61	7.84	8.08	8.31
0	Watts (Capacity)	5420	5000	4590	4170	3750	3330	2920	2500
	Watts (Power)	1410	1470	1540	1620	1690	1760	1830	1900
	Amps	7.14	7.45	7.75	8.06	8.37	8.67	8.98	9.29
5	Watts (Capacity)	6570	6080	5590	5090	4600	4110	3620	3130
	Watts (Power)	1480	1570	1660	1740	1830	1920	2010	2090
	Amps	7.62	7.99	8.36	8.73	9.10	9.47	9.84	10.2
7.2	Watts (Capacity)	7120	6590	6070	5540	5010	4490	3960	3430
	Watts (Power)	1520	1610	1700	1800	1890	1990	2080	2180
	Amps	7.84	8.23	8.62	9.02	9.42	9.81	10.2	10.6
10	Watts (Capacity)	7850	7280	6710	6140	5560	4990	4420	3850
	Watts (Power)	1560	1660	1760	1870	1970	2070	2170	2280
	Amps	8.11	8.53	8.96	9.39	9.81	10.2	10.7	11.1
15	Watts (Capacity)	9280	8620	7960	7300	6630	5970	5310	4650
	Watts (Power)	1640	1750	1870	1990	2100	2220	2330	2450
	Amps	8.60	9.07	9.55	10.0	10.5	11.0	11.4	11.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.880992E+03	1.023866E+03	5.365639E+00	
C2	2.999444E+02	-5.720510E+00	1.343362E-02	
C3	-8.086835E+01	1.141724E+01	5.722255E-02	

C4	3.658888E+00	2.132508E-01	1.068001E-03	
C5	-2.799578E+00	7.021155E-01	2.736894E-03	
C6	-5.136007E-02	5.365947E-02	8.382920E-05	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-2.980033E-02	-6.392953E-03	-3.127650E-05	
C9	-1.170000E-04	-4.460000E-05	-3.120000E-07	
C10	3.340000E-04	-3.370000E-04	-5.560000E-07	

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

T_e = Evaporator Temperature

T_c = Condensing Temperature

