



Performance Data Sheet

AJE4511YHZ

General Information

Model	AJE4511YHZ	Refrigerant	R-134a
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	40	50	60
-6.7	Watts (Capacity)	2850	2410	1980	1540
	Watts (Power)	955	993	1030	1070
	Amps	5.14	5.24	5.35	5.45
-5	Watts (Capacity)	3090	2630	2170	1710
	Watts (Power)	987	1030	1080	1130
	Amps	5.32	5.45	5.58	5.72
0	Watts (Capacity)	3890	3350	2800	2250
	Watts (Power)	1070	1140	1220	1290
	Amps	5.80	6.04	6.27	6.51
5	Watts (Capacity)	4800	4160	3520	2880
	Watts (Power)	1130	1240	1350	1460
	Amps	6.20	6.57	6.95	7.32
7.2	Watts (Capacity)	5230	4550	3860	3180
	Watts (Power)	1150	1270	1400	1530
	Amps	6.35	6.79	7.24	7.68
10	Watts (Capacity)	5810	5070	4330	3590
	Watts (Power)	1170	1320	1470	1620
	Amps	6.52	7.06	7.60	8.14
15	Watts (Capacity)	6930	6080	5240	4390
	Watts (Power)	1190	1390	1590	1780
	Amps	6.77	7.50	8.23	8.97

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.538266E+03	8.441764E+02	5.073427E+00	
C2	2.238165E+02	-5.259495E+00	1.577770E-02	
C3	-5.479186E+01	7.311116E+00	2.438851E-02	

C4	2.559008E+00	-7.386904E-01	-3.338850E-03	
C5	-1.777838E+00	6.419631E-01	2.409777E-03	
C6	-7.386250E-04	4.285997E-03	-1.176630E-05	
C7	-1.000000E-16	0.000000E+00	0.000000E+00	
C8	-1.436735E-02	1.173508E-02	5.928540E-05	
C9	4.110000E-11	4.410000E-06	-8.160000E-09	
C10	4.920000E-06	-2.760000E-05	9.100000E-08	

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