



Tecumseh

Performance Data Sheet

AJE2433ZGZ

General Information

Model	AJE2433ZGZ	Refrigerant	R-404A
Test Condition	EN12900	Performance Test Voltage	220V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-40	Watts (Capacity)	569	498	429	363	298	237	178	123
	Watts (Power)	525	522	515	503	488	469	448	425
	Amps	2.88	2.83	2.78	2.74	2.70	2.66	2.63	2.61
-35	Watts (Capacity)	786	700	616	534	454	378	304	233
	Watts (Power)	610	615	615	611	603	592	579	563
	Amps	3.22	3.21	3.20	3.19	3.19	3.19	3.20	3.22
-30	Watts (Capacity)	1050	943	840	739	640	544	451	361
	Watts (Power)	694	708	716	721	722	719	714	706
	Amps	3.59	3.62	3.64	3.68	3.71	3.75	3.80	3.85
-25	Watts (Capacity)	1360	1230	1110	981	860	740	624	511
	Watts (Power)	778	801	819	833	844	850	854	856
	Amps	3.99	4.05	4.12	4.19	4.26	4.34	4.43	4.52
-23.3	Watts (Capacity)	1480	1340	1210	1070	943	815	690	568
	Watts (Power)	806	833	854	872	886	896	903	908
	Amps	4.13	4.21	4.28	4.37	4.46	4.55	4.65	4.75
-20	Watts (Capacity)	1720	1570	1420	1270	1120	972	828	688
	Watts (Power)	861	894	923	948	969	986	1000	1010
	Amps	4.42	4.52	4.62	4.73	4.84	4.96	5.08	5.21
-15	Watts (Capacity)	2150	1960	1780	1600	1420	1240	1070	897
	Watts (Power)	943	989	1030	1060	1100	1130	1150	1170
	Amps	4.87	5.01	5.15	5.30	5.45	5.61	5.77	5.93
-10	Watts (Capacity)	2640	2420	2200	1980	1770	1560	1350	1140
	Watts (Power)	1030	1080	1140	1180	1230	1270	1310	1340
	Amps	5.36	5.53	5.71	5.90	6.09	6.28	6.48	6.68

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.622607E+03	5.381398E+02	5.005432E+00	
C2	1.857793E+02	-1.908189E+00	6.549188E-02	
C3	-5.990372E+01	2.622589E+01	4.396891E-02	
C4	2.017221E+00	-1.125123E-01	5.768191E-04	
C5	-1.734506E+00	6.215159E-01	1.524929E-03	
C6	-1.709458E-02	-1.690614E-01	9.661803E-05	
C7	6.301567E-03	1.671609E-04	0.000000E+00	
C8	-1.537702E-02	3.816378E-03	0.000000E+00	
C9	-3.245639E-04	-3.574635E-04	0.000000E+00	
C10	3.934189E-04	6.180284E-04	0.000000E+00	

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

Te = Evaporator Temperature

Tc = Condensing Temperature

