



# Tecumseh

## Performance Data Sheet

### AZA0395YXA

### General Information

<b>Model</b>	AZA0395YXA	<b>Refrigerant</b>	R-134a
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	115V ~ 60HZ
<b>Return Gas</b>	4.4°C (40°F) RETURN GAS	<b>Motor Type</b>	N/A

### Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
0	Btu/h	708	702	661	598	529	468	428
	Watts	173	172	173	175	177	178	177
	Amps	2.36	2.50	2.57	2.59	2.59	2.57	2.58
	Lb/h	9.51	10.1	10.0	9.59	9.01	8.52	8.36
5	Btu/h	800	805	769	706	632	560	504
	Watts	183	181	183	185	188	190	191
	Amps	2.38	2.53	2.61	2.64	2.64	2.64	2.65
	Lb/h	10.7	11.5	11.7	11.3	10.8	10.2	9.88
10	Btu/h	890	906	876	814	734	651	580
	Watts	193	193	194	198	201	205	206
	Amps	2.41	2.57	2.67	2.71	2.72	2.72	2.74
	Lb/h	11.9	13.0	13.3	13.1	12.6	11.9	11.4
15	Btu/h	984	1010	986	924	839	745	658
	Watts	206	205	207	211	215	220	223
	Amps	2.45	2.63	2.73	2.79	2.81	2.82	2.84
	Lb/h	13.2	14.6	15.1	15.0	14.4	13.7	13.1
20	Btu/h	1080	1120	1100	1040	950	846	742
	Watts	219	218	220	225	230	235	239
	Amps	2.48	2.68	2.80	2.87	2.90	2.92	2.95
	Lb/h	14.6	16.2	17.0	16.9	16.4	15.7	14.9
25	Btu/h	1200	1240	1230	1170	1070	956	836
	Watts	232	231	234	239	245	251	257
	Amps	2.52	2.74	2.87	2.95	3.00	3.03	3.07
	Lb/h	16.1	18.1	19.0	19.1	18.6	17.8	16.8
30	Btu/h	1320	1380	1370	1310	1200	1080	943
	Watts	246	245	248	253	260	267	274
	Amps	2.55	2.78	2.93	3.03	3.09	3.13	3.18
	Lb/h	17.9	20.1	21.3	21.5	21.0	20.1	19.1

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-2.254811E+03	3.856634E+02	-3.938693E+00	-4.522210E+01
C2	-3.759046E+01	2.933993E+00	-2.588586E-02	-8.220873E-01

C3	8.778777E+01	-6.151364E+00	1.620950E-01	1.523523E+00
C4	-6.646830E-02	4.159435E-02	1.087745E-04	-1.560225E-03
C5	1.130402E+00	-3.277788E-02	4.745051E-04	2.029846E-02
C6	-8.266369E-01	5.754068E-02	-1.332573E-03	-1.361618E-02
C7	4.562425E-03	-4.055260E-04	-6.403386E-06	7.248952E-05
C8	-1.175725E-04	-7.952679E-05	2.627126E-06	7.599440E-06
C9	-5.362929E-03	2.215378E-04	-1.475003E-06	-8.742137E-05
C10	2.403327E-03	-1.733088E-04	3.623648E-06	3.905349E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature



# Tecumseh

## Performance Data Sheet

### AZA0395YXA

### General Information

<b>Model</b>	AZA0395YXA	<b>Refrigerant</b>	R-134a
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	115V ~ 60HZ
<b>Return Gas</b>	18.3°C (65°F) RETURN GAS	<b>Motor Type</b>	N/A

### Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
20	Btu/h	1570	1360	1220	1110	1020	905	746
	Watts	232	215	210	213	218	222	220
	Amps	2.60	2.74	2.83	2.87	2.88	2.86	2.82
	Lb/h	20.7	18.5	17.3	16.7	16.1	15.3	13.6
25	Btu/h	1750	1520	1370	1260	1160	1050	896
	Watts	240	225	222	227	235	241	242
	Amps	2.72	2.84	2.93	2.98	3.00	3.01	3.00
	Lb/h	23.2	20.8	19.5	18.9	18.4	17.7	16.3
30	Btu/h	1930	1690	1520	1400	1300	1190	1040
	Watts	248	234	233	239	249	257	261
	Amps	2.82	2.93	3.01	3.07	3.11	3.14	3.17
	Lb/h	25.7	23.2	21.8	21.1	20.7	20.1	18.9
35	Btu/h	2130	1870	1690	1550	1440	1330	1180
	Watts	257	244	244	252	263	273	279
	Amps	2.90	3.00	3.08	3.14	3.20	3.26	3.32
	Lb/h	28.5	25.8	24.3	23.5	23.2	22.7	21.6
40	Btu/h	2360	2070	1870	1720	1600	1480	1330
	Watts	268	256	256	265	278	290	297
	Amps	2.99	3.07	3.15	3.22	3.30	3.38	3.48
	Lb/h	31.6	28.6	27.0	26.2	25.9	25.5	24.6
45	Btu/h	2610	2300	2080	1910	1780	1650	1500
	Watts	282	270	271	281	294	308	316
	Amps	3.07	3.15	3.22	3.30	3.39	3.50	3.64
	Lb/h	35.2	32.0	30.2	29.3	29.0	28.6	27.9
50	Btu/h	2910	2570	2320	2140	1990	1850	1700
	Watts	300	289	290	300	314	329	339
	Amps	3.16	3.23	3.30	3.38	3.49	3.63	3.81
	Lb/h	39.3	35.9	33.9	33.0	32.6	32.3	31.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.301398E+03	1.295408E+03	-3.582002E+00	1.025029E+02
C2	8.747901E+01	2.489508E+00	1.457696E-01	1.352869E+00

C3	-1.726741E+02	-2.972174E+01	1.189546E-01	-2.573450E+00
C4	-2.546396E-01	-8.690900E-02	-9.602501E-04	-7.067483E-03
C5	-8.401338E-01	1.442488E-02	-1.953947E-03	-1.420595E-02
C6	1.515191E+00	2.547489E-01	-7.189124E-04	2.358523E-02
C7	1.050132E-02	1.654278E-03	7.763022E-06	1.629488E-04
C8	-4.810550E-03	-5.884427E-04	7.081163E-07	-4.001586E-05
C9	4.379056E-03	2.467739E-04	9.725853E-06	7.602958E-05
C10	-4.703173E-03	-7.432848E-04	1.044491E-06	-7.442241E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature