Tecumseh

Performance Data Sheet

AZA0370YXA

General

Model	AZA0370YXA	**Unit of Measure**	Fahrenheit
Condition	ARI	**Voltage/Frequency**	115V~60HZ
RETURN GAS	4.4°C (40°F) RETURN GAS	**MotorType**	RSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)				
		100	**110**	**120**	**130**	**140**
0	Btu/h	492	442	396	354	317
	Watts	126	128	129	130	130
	Amps	1.93	1.93	1.94	1.95	1.95
	Lb/h	7.46	7.07	6.74	6.45	6.20
5	Btu/h	584	527	474	425	379
	Watts	136	139	141	142	143
	Amps	2.01	2.01	2.02	2.03	2.04
	Lb/h	8.88	8.46	8.08	7.73	7.41
10	Btu/h	669	606	546	490	436
	Watts	145	148	151	153	156
	Amps	2.06	2.07	2.09	2.10	2.11
	Lb/h	10.2	9.77	9.36	8.96	8.58
15	Btu/h	755	686	620	556	494
	Watts	154	157	160	164	167
	Amps	2.10	2.12	2.14	2.16	2.18
	Lb/h	11.6	11.1	10.7	10.2	9.80
20	Btu/h	848	773	700	629	559
	Watts	162	166	170	174	178
	Amps	2.14	2.17	2.20	2.23	2.25
	Lb/h	13.0	12.6	12.1	11.6	11.2
25	Btu/h	953	872	793	715	636
	Watts	172	176	180	185	190
	Amps	2.19	2.23	2.27	2.31	2.34
	Lb/h	14.7	14.3	13.8	13.3	12.8
30	Btu/h	1080	990	905	819	733
	Watts	183	187	192	197	203
	Amps	2.26	2.31	2.36	2.41	2.46
	Lb/h	16.7	16.3	15.8	15.3	14.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.399991E+03	-1.861534E+01	1.949784E+00	1.595405E+01
C2	2.410376E+01	3.155764E+00	6.846500E-03	2.547566E-01
C3	-1.373718E+01	3.092405E+00	-5.844609E-04	-1.416830E-01
C4	-2.597084E-01	-2.436286E-02	-1.061722E-03	-5.865645E-03
C5	2.168482E-02	-2.808170E-02	1.844711E-04	1.617571E-03
C6	5.598874E-02	-2.146552E-02	2.161007E-06	6.998141E-04

C7	8.010868E-03	9.653805E-04	1.384060E-05	1.359877E-04
C8	2.808677E-04	-1.559319E-04	3.966544E-06	2.074118E-05
C9	-7.066871E-04	1.897630E-04	-6.764441E-07	-1.161790E-05
C10	-9.377632E-05	4.963323E-05	1.617943E-08	-1.324065E-06

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

AZA0370YXA

General

Model	AZA0370YXA	**Unit of Measure**	Fahrenheit
Condition	ARI	**Voltage/Frequency**	115V~60HZ
RETURN GAS	18.3°C (65°F) RETURN GAS	**MotorType**	RSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)				
		100	**110**	**120**	**130**	**140**
20	Btu/h	891	822	761	695	611
	Watts	161	164	167	170	171
	Amps	2.08	2.11	2.14	2.18	2.24
	Lb/h	12.7	12.3	12.1	11.7	11.0
25	Btu/h	1030	955	883	805	709
	Watts	168	173	178	183	186
	Amps	2.13	2.17	2.21	2.25	2.32
	Lb/h	14.7	14.3	14.0	13.6	12.8
30	Btu/h	1180	1090	1010	917	809
	Watts	175	181	188	194	199
	Amps	2.17	2.23	2.28	2.33	2.39
	Lb/h	16.9	16.4	16.1	15.6	14.7
35	Btu/h	1330	1230	1130	1030	914
	Watts	182	190	198	205	211
	Amps	2.22	2.29	2.34	2.39	2.46
	Lb/h	19.1	18.6	18.2	17.7	16.7
40	Btu/h	1480	1370	1270	1160	1020
	Watts	190	198	207	215	223
	Amps	2.27	2.35	2.41	2.47	2.54
	Lb/h	21.4	20.9	20.5	19.9	18.9
45	Btu/h	1640	1520	1410	1290	1140
	Watts	199	208	217	226	234
	Amps	2.33	2.42	2.49	2.55	2.62
	Lb/h	23.9	23.4	22.9	22.3	21.2
50	Btu/h	1820	1690	1560	1430	1270
	Watts	210	219	228	237	245
	Amps	2.42	2.51	2.58	2.65	2.71
	Lb/h	26.6	26.0	25.6	24.9	23.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.856196E+03	4.476054E+02	-8.054732E-01	6.317648E+01
C2	4.522295E+01	-3.825513E+00	-3.999695E-02	4.770578E-01
C3	-8.825103E+01	-7.307050E+00	7.740255E-02	-1.527304E+00
C4	-1.851194E-01	6.868201E-03	-4.765404E-04	-4.737658E-03
C5	-6.327884E-02	7.033410E-02	1.000927E-03	1.527112E-03
C6	7.337831E-01	5.599463E-02	-7.667697E-04	1.302663E-02

C7	2.911264E-03	7.711528E-04	7.334008E-06	5.242687E-05
C8	2.894684E-05	-7.360133E-04	-1.696486E-06	1.595823E-05
C9	-6.640683E-04	8.834288E-06	-3.212483E-06	-1.508721E-05
C10	-2.073566E-03	-1.613449E-04	2.449221E-06	-3.679270E-05

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