![Tecumseh logo]

Performance Data Sheet

AKA9438ZXA

General Information

Model	AKA9438ZXA	Refrigerant	R-404A
Test Condition	ARI	Performance Test Voltage	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	Motor Type	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
0	Btu/h	3940	3330	2720	2120	1510	915	321
	Watts	742	673	603	533	461	389	316
	Amps	8.40	8.10	7.79	7.48	7.16	6.82	6.48
	Lb/h	81.6	69.6	57.7	45.7	33.8	21.9	9.96
5	Btu/h	4660	4010	3360	2710	2070	1440	809
	Watts	786	731	676	619	562	505	446
	Amps	8.63	8.39	8.14	7.88	7.61	7.33	7.04
	Lb/h	94.8	82.8	70.9	59.0	47.1	35.3	23.6
10	Btu/h	5400	4690	3990	3300	2610	1930	1260
	Watts	819	778	737	695	653	609	565
	Amps	8.88	8.71	8.53	8.34	8.13	7.91	7.68
	Lb/h	109	96.5	84.5	72.5	60.6	48.8	37.0
15	Btu/h	6170	5410	4650	3900	3160	2430	1700
	Watts	840	814	788	760	732	703	673
	Amps	9.12	9.03	8.92	8.80	8.67	8.53	8.36
	Lb/h	124	111	99.0	86.8	74.7	62.7	50.8
20	Btu/h	7030	6190	5370	4550	3750	2960	2170
	Watts	851	839	827	814	800	785	770
	Amps	9.30	9.30	9.28	9.25	9.20	9.13	9.05
	Lb/h	140	128	115	102	89.9	77.6	65.4
25	Btu/h	7990	7080	6180	5290	4420	3550	2700
	Watts	850	852	854	856	857	856	855
	Amps	9.39	9.49	9.57	9.63	9.67	9.70	9.70
	Lb/h	159	146	133	120	107	94.1	81.5
30	Btu/h	9090	8090	7110	6140	5190	4250	3320
	Watts	837	854	871	887	902	916	929
	Amps	9.36	9.56	9.75	9.91	10.1	10.2	10.3
	Lb/h	181	167	153	139	126	113	99.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.853253E+03	1.288619E+03	1.073671E+01	1.774179E+02
C2	2.178864E+02	-1.307275E+01	-5.906514E-02	2.663527E+00

C3	-6.090567E+01	-6.900022E+00	-3.017684E-02	-1.193291E+00
C4	9.328983E-01	-2.164997E-01	-3.341349E-04	2.433873E-02
C5	-1.034236E+00	2.854502E-01	1.390038E-03	-2.788149E-03
C6	-1.358336E-02	2.468758E-03	3.095561E-05	-9.261634E-05
C7	4.288582E-02	-2.496213E-04	-5.006832E-05	7.088428E-04
C8	-1.675596E-02	2.694436E-05	1.912958E-05	-2.769393E-04
C9	1.560092E-03	8.263338E-06	-1.718886E-06	2.578695E-05
C10	9.502368E-05	-2.017834E-05	-2.343839E-07	5.161402E-07

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