



Tecumseh

Performance Data Sheet

AJA4492YXD

General Information

Model	AJA4492YXD	Refrigerant	R-134a
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	CSIR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)					
		100	110	120	130	140
20	Btu/h	5790	5360	4750	4030	3250
	Watts	837	863	874	871	854
	Amps	5.62	5.70	5.75	5.75	5.69
	Lb/h	82.3	80.2	75.0	67.6	58.7
25	Btu/h	6330	5930	5360	4690	3990
	Watts	884	918	939	949	949
	Amps	5.73	5.84	5.93	5.97	5.96
	Lb/h	90.4	89.3	85.3	79.4	72.3
30	Btu/h	7070	6660	6100	5460	4790
	Watts	926	966	997	1020	1030
	Amps	5.86	6.00	6.11	6.20	6.24
	Lb/h	101	101	97.7	92.8	87.1
35	Btu/h	8010	7550	6960	6300	5640
	Watts	965	1010	1050	1080	1110
	Amps	6.00	6.16	6.31	6.43	6.52
	Lb/h	115	115	112	108	103
40	Btu/h	9110	8580	7930	7220	6520
	Watts	1000	1050	1100	1140	1180
	Amps	6.15	6.33	6.50	6.66	6.80
	Lb/h	132	131	128	124	120
45	Btu/h	10400	9740	8990	8200	7430
	Watts	1040	1090	1150	1200	1260
	Amps	6.30	6.50	6.70	6.90	7.08
	Lb/h	151	149	146	142	137
50	Btu/h	11800	11000	10100	9220	8350
	Watts	1080	1140	1200	1260	1330
	Amps	6.46	6.67	6.90	7.13	7.35
	Lb/h	173	170	166	161	156
55	Btu/h	13400	12400	11300	10300	9270
	Watts	1130	1190	1250	1320	1400
	Amps	6.62	6.84	7.09	7.35	7.61
	Lb/h	197	192	187	181	175

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.228352E+04	-1.066185E+03	4.565546E+00	-2.240937E+02
C2	-3.177492E+02	2.893132E+01	2.584103E-02	-4.175370E+00
C3	5.464574E+02	3.388555E+01	-3.070777E-03	8.271614E+00
C4	1.240337E+01	-1.491063E-01	9.305224E-04	1.572454E-01
C5	6.331415E-01	-3.788216E-01	-1.049496E-03	1.481012E-03
C6	-4.709581E+00	-1.960321E-01	3.056015E-04	-6.574809E-02
C7	-1.773031E-02	3.005182E-03	-2.833545E-06	-1.492881E-04
C8	-7.016954E-02	-1.880362E-03	-4.638548E-06	-8.722998E-04
C9	1.468394E-02	2.905419E-03	8.554457E-06	2.719479E-04
C10	1.066728E-02	1.832635E-04	-1.988578E-06	1.360642E-04

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

Te = Evaporator Temperature

Tc = Condensing Temperature



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AJA4492YXD

General Information

Model	AJA4492YXD	Refrigerant	R-134a
Test Condition	ARI (R-513A)	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	CSIR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)					
		100	110	120	130	140
20	Btu/h	6240	5400	4560	3710	2840
	Watts	886	889	891	890	887
	Amps	5.95	5.95	5.95	5.93	5.91
	Lb/h	97.6	88.9	79.9	70.6	60.8
25	Btu/h	6680	5900	5120	4330	3530
	Watts	948	963	976	986	994
	Amps	6.08	6.12	6.16	6.18	6.20
	Lb/h	106	98.8	91.6	84.0	76.1
30	Btu/h	7350	6620	5890	5160	4410
	Watts	999	1020	1050	1070	1090
	Amps	6.22	6.30	6.38	6.44	6.50
	Lb/h	118	112	106	101	94.3
35	Btu/h	8280	7590	6900	6200	5500
	Watts	1040	1080	1110	1140	1170
	Amps	6.38	6.50	6.61	6.72	6.82
	Lb/h	133	129	125	121	116
40	Btu/h	9480	8820	8160	7500	6830
	Watts	1070	1120	1160	1210	1250
	Amps	6.54	6.70	6.86	7.00	7.14
	Lb/h	153	150	147	144	141
45	Btu/h	11000	10300	9700	9060	8420
	Watts	1100	1150	1210	1260	1310
	Amps	6.73	6.93	7.12	7.30	7.48
	Lb/h	177	176	174	172	170
50	Btu/h	12800	12200	11600	10900	10300
	Watts	1110	1180	1240	1310	1370
	Amps	6.93	7.16	7.39	7.62	7.84
	Lb/h	206	206	205	204	203
55	Btu/h	15000	14400	13700	13100	12500
	Watts	1120	1200	1270	1340	1410
	Amps	7.14	7.41	7.68	7.95	8.20
	Lb/h	240	241	241	241	241

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.768104E+04	9.170319E+02	7.080580E+00	2.547637E+02
C2	-2.395924E+02	-1.002589E+00	-6.861985E-02	-4.984199E+00
C3	-1.169531E+02	-4.215578E+00	-1.567427E-02	-1.665470E+00
C4	4.131381E+00	-2.127003E-01	3.230626E-04	6.550052E-02
C5	1.600472E+00	2.355729E-01	8.045104E-04	3.935049E-02
C6	7.698358E-02	8.821860E-03	2.530198E-05	1.585944E-03
C7	3.331293E-02	9.230890E-04	4.643044E-07	4.288570E-04
C8	-2.049823E-02	-6.764926E-04	-8.521477E-07	-2.748684E-04
C9	2.341593E-03	1.002765E-04	2.098683E-07	3.352161E-05
C10	-4.929305E-04	-6.432120E-05	-1.895591E-07	-1.083164E-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