



Tecumseh

Performance Data Sheet

AJA4461AXA

General Information

Model	AJA4461AXA	Refrigerant	R-12
Test Condition	ASHRAE	Performance Test Voltage	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	Motor Type	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
20	Btu/h	8040	6120	4910	4230	3860	3620	3310
	Watts	610	617	628	643	659	675	690
	Amps							
	Lb/h	97.2	82.9	74.3	69.7	67.1	65.0	61.6
25	Btu/h	8490	6590	5400	4720	4350	4090	3750
	Watts	623	637	654	674	695	716	735
	Amps							
	Lb/h	105	90.9	82.6	78.0	75.5	73.3	69.7
30	Btu/h	8940	7070	5890	5210	4830	4560	4200
	Watts	635	656	680	705	731	756	779
	Amps							
	Lb/h	112	98.8	90.8	86.5	84.1	81.9	78.2
35	Btu/h	9410	7550	6390	5710	5330	5040	4660
	Watts	647	674	705	736	767	796	823
	Amps							
	Lb/h	120	107	99.2	95.2	93.0	90.9	87.1
40	Btu/h	9900	8070	6910	6240	5850	5550	5130
	Watts	658	693	729	766	802	836	866
	Amps							
	Lb/h	128	115	108	104	102	100	96.7
45	Btu/h	10400	8610	7470	6800	6400	6080	5640
	Watts	669	710	753	796	837	875	908
	Amps							
	Lb/h	136	124	117	114	112	111	107
50	Btu/h	11000	9200	8070	7400	6990	6650	6190
	Watts	679	728	777	825	871	913	950
	Amps							
	Lb/h	144	133	127	124	123	122	118
55	Btu/h	11600	9850	8720	8050	7630	7280	6790
	Watts	689	745	800	853	904	950	991
	Amps							
	Lb/h	154	143	138	136	135	134	131

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.293506E+04	1.149448E+03	0.000000E+00	6.084473E+02
C2	4.095363E+00	-1.322965E+01	0.000000E+00	1.252199E+00
C3	-1.635657E+03	-1.380068E+01	0.000000E+00	-1.366325E+01
C4	-8.368450E-01	-4.219407E-03	0.000000E+00	-2.896068E-02
C5	2.085153E+00	2.543146E-01	0.000000E+00	1.751294E-02
C6	1.262433E+01	9.830524E-02	0.000000E+00	1.087236E-01
C7	1.374970E-02	-5.424499E-09	0.000000E+00	2.041653E-04
C8	-1.501987E-03	-5.612790E-05	0.000000E+00	1.433998E-04
C9	-9.196202E-03	-6.564829E-04	0.000000E+00	-1.014504E-04
C10	-3.282825E-02	-2.330246E-04	0.000000E+00	-2.905823E-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