



Tecumseh

Performance Data Sheet

AGA4534AXN

General Information

Model	AGA4534AXN	Refrigerant	R-12
Test Condition	ASHRAE	Performance Test Voltage	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
20	Btu/h	31800	27700	24600	22000	19900	18000	16000
	Watts	2290	2390	2470	2530	2570	2600	2620
	Amps	12.3	12.3	12.3	12.4	12.5	12.6	12.7
	Lb/h	473	423	388	362	341	322	298
25	Btu/h	36000	31700	28300	25500	23000	20800	18300
	Watts	2350	2490	2610	2700	2770	2820	2860
	Amps	12.8	12.9	13.1	13.2	13.3	13.5	13.8
	Lb/h	536	485	447	419	395	371	343
30	Btu/h	40200	35700	32000	28900	26200	23600	20800
	Watts	2400	2580	2730	2860	2950	3030	3090
	Amps	13.3	13.5	13.7	13.9	14.2	14.5	14.8
	Lb/h	600	547	508	477	450	423	390
35	Btu/h	44600	39800	35900	32500	29500	26600	23500
	Watts	2450	2670	2860	3010	3130	3230	3300
	Amps	13.7	14.0	14.3	14.6	15.0	15.3	15.8
	Lb/h	665	612	571	538	508	478	442
40	Btu/h	49200	44200	40000	36400	33100	29900	26400
	Watts	2490	2760	2970	3150	3300	3420	3500
	Amps	14.1	14.5	14.9	15.3	15.7	16.2	16.7
	Lb/h	734	680	638	604	572	539	499
45	Btu/h	54100	48900	44500	40700	37100	33500	29700
	Watts	2540	2840	3090	3300	3470	3600	3700
	Amps	14.4	14.9	15.4	15.9	16.4	17.0	17.7
	Lb/h	808	754	712	676	643	607	564
50	Btu/h	59400	54100	49500	45400	41500	37600	33500
	Watts	2580	2920	3200	3440	3630	3780	3890
	Amps	14.6	15.2	15.8	16.5	17.1	17.8	18.6
	Lb/h	890	836	793	757	722	684	639
55	Btu/h	65400	59800	55000	50700	46500	42400	37900
	Watts	2630	3000	3320	3580	3790	3960	4080
	Amps	14.8	15.5	16.2	17.0	17.8	18.6	19.5
	Lb/h	980	928	885	848	812	772	725

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.042490E+05	2.005716E+03	8.390603E+00	1.646455E+03
C2	1.305165E+03	-8.723377E+01	9.512375E-02	1.802668E+01
C3	-2.177437E+03	1.028455E+01	6.352193E-02	-3.643727E+01
C4	-1.114167E+01	-1.578705E-01	-2.537660E-03	-2.417735E-01
C5	-7.537323E-01	1.760238E+00	1.006160E-03	3.704379E-02
C6	1.632826E+01	-1.874838E-01	-8.980298E-04	2.871528E-01
C7	1.380952E-01	2.780959E-03	1.809468E-06	2.402640E-03
C8	1.665682E-02	-2.312990E-03	1.286151E-05	7.751382E-04
C9	-2.736977E-02	-4.793055E-03	1.334713E-07	-6.071516E-04
C10	-4.166618E-02	6.250012E-04	3.125002E-06	-7.534493E-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