



Tecumseh

Performance Data Sheet

AKA9462EXD

General Information

Model	AKA9462EXD	Refrigerant	R-22
Test Condition	ASHRAE	Performance Test Voltage	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
0	Btu/h	4290	4940	4960	4620	4200	3970	4220
	Watts	703	766	830	889	937	968	978
	Amps	3.67	3.97	4.21	4.39	4.50	4.54	4.48
	Lb/h	48.5	61.4	65.1	63.5	60.5	59.9	65.6
5	Btu/h	5170	5780	5740	5320	4800	4460	4570
	Watts	753	796	843	889	927	951	957
	Amps	3.87	4.11	4.31	4.47	4.58	4.63	4.61
	Lb/h	59.8	72.4	75.5	73.1	69.0	67.0	71.0
10	Btu/h	5960	6540	6450	5970	5360	4910	4890
	Watts	815	846	884	923	958	982	991
	Amps	4.04	4.24	4.43	4.59	4.71	4.79	4.82
	Lb/h	69.9	82.4	85.3	82.2	77.2	74.0	76.5
15	Btu/h	6800	7360	7230	6690	6000	5450	5310
	Watts	870	895	930	970	1010	1040	1060
	Amps	4.20	4.38	4.56	4.73	4.88	5.01	5.10
	Lb/h	80.5	93.2	95.9	92.5	86.7	82.6	83.8
20	Btu/h	7800	8350	8190	7600	6840	6200	5950
	Watts	895	920	960	1010	1060	1100	1140
	Amps	4.34	4.52	4.71	4.91	5.11	5.30	5.47
	Lb/h	93.2	106	109	106	99.3	94.4	94.7
25	Btu/h	9100	9650	9470	8830	8010	7290	6940
	Watts	867	901	951	1010	1080	1140	1200
	Amps	4.47	4.66	4.88	5.13	5.39	5.67	5.94
	Lb/h	110	123	127	123	117	111	111
30	Btu/h	10800	11400	11200	10500	9640	8840	8390
	Watts	766	814	882	964	1050	1150	1230
	Amps	4.60	4.82	5.09	5.40	5.74	6.11	6.50
	Lb/h	132	146	150	147	140	135	134

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-5.670905E+04	9.269107E+02	4.253172E-01	-8.464723E+02
C2	1.141948E+02	6.619130E+01	2.656911E-01	1.092294E+00

C3	1.713365E+03	-1.779277E+01	4.033336E-02	2.461490E+01
C4	-5.536304E+00	-3.750988E-01	-3.218268E-03	-9.393870E-02
C5	2.564036E+00	-9.915569E-01	-4.167446E-03	4.023293E-02
C6	-1.555987E+01	2.645878E-01	1.148195E-04	-2.192686E-01
C7	1.651526E-01	-2.917178E-02	6.482372E-06	2.231110E-03
C8	1.818042E-02	1.359177E-02	3.323953E-05	4.551951E-04
C9	-2.004469E-02	3.143976E-03	1.713896E-05	-2.836527E-04
C10	4.592921E-02	-9.636707E-04	-1.398973E-06	6.427418E-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