Performance Data Sheet

AKA9428EXA

General Information

Model	AKA9428EXA	**Refrigerant**	R-22
Test Condition	ASHRAE	**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	2620	2520	2240	1870	1530	1330	1360
	Watts	406	423	425	418	409	404	409
	Amps	6.22	6.41	6.51	6.55	6.57	6.60	6.68
	Lb/h	33.1	32.3	29.3	25.4	21.9	19.9	20.9
5	Btu/h	3080	2990	2700	2300	1910	1620	1560
	Watts	416	445	456	456	450	446	449
	Amps	6.38	6.56	6.65	6.66	6.65	6.65	6.69
	Lb/h	38.4	38.2	35.4	31.3	27.2	24.3	23.9
10	Btu/h	3570	3490	3190	2760	2310	1950	1790
	Watts	424	464	485	491	489	485	485
	Amps	6.52	6.72	6.81	6.83	6.81	6.80	6.82
	Lb/h	44.2	44.6	42.1	37.9	33.2	29.4	27.7
15	Btu/h	4110	4050	3730	3270	2770	2340	2070
	Watts	431	484	513	525	526	522	520
	Amps	6.64	6.87	6.99	7.03	7.03	7.02	7.04
	Lb/h	50.7	51.8	49.6	45.3	40.2	35.5	32.5
20	Btu/h	4730	4680	4360	3870	3310	2800	2440
	Watts	441	505	542	560	564	560	555
	Amps	6.71	7.00	7.16	7.24	7.28	7.30	7.35
	Lb/h	58.0	60.0	58.1	53.7	48.2	42.6	38.5
25	Btu/h	5450	5420	5090	4570	3960	3370	2910
	Watts	454	528	574	597	604	600	592
	Amps	6.72	7.08	7.32	7.46	7.55	7.63	7.72
	Lb/h	66.5	69.2	67.8	63.4	57.4	51.2	45.8
30	Btu/h	6300	6290	5950	5390	4730	4070	3510
	Watts	472	557	611	639	648	643	632
	Amps	6.65	7.11	7.44	7.67	7.84	7.98	8.14
	Lb/h	76.2	79.8	78.8	74.5	68.2	61.2	54.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.612958E+04	-1.010908E+03	-3.206345E+00	-1.942118E+02
C2	-9.092173E+01	-3.790682E+01	1.837250E-02	-2.736204E+00

C3	5.797857E+02	3.943959E+01	2.492636E-01	6.975223E+00
C4	6.917962E-04	-2.881730E-02	-3.365269E-03	-1.321634E-03
C5	4.068400E+00	7.295752E-01	6.822463E-04	7.835731E-02
C6	-5.742622E+00	-3.547526E-01	-2.133416E-03	-6.877469E-02
C7	3.339636E-02	2.389427E-03	-2.164649E-05	2.555544E-04
C8	8.548447E-04	-5.664822E-04	4.271231E-05	9.552226E-05
C9	-2.248098E-02	-2.841733E-03	-6.337461E-06	-3.928448E-04
C10	1.781294E-02	1.039006E-03	6.124634E-06	2.137773E-04

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