Performance Data Sheet

AKA9455ZXA

General Information

Model	AKA9455ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 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	7170	5360	4120	3290	2680	2120	1440
	Watts	770	841	877	885	871	840	799
	Amps	8.32	7.83	7.63	7.57	7.53	7.37	6.94
	Lb/h	89.1	87.5	82.7	75.3	66.4	56.7	47.2
5	Btu/h	7910	6070	4790	3900	3220	2570	1780
	Watts	807	887	934	953	952	935	908
	Amps	8.68	8.25	8.12	8.15	8.20	8.14	7.82
	Lb/h	103	102	97.9	90.9	82.1	72.5	62.8
10	Btu/h	8780	6920	5600	4650	3890	3160	2270
	Watts	839	928	984	1010	1020	1020	1000
	Amps	9.05	8.68	8.62	8.73	8.86	8.89	8.68
	Lb/h	118	118	114	107	98.9	89.3	79.6
15	Btu/h	9740	7850	6490	5480	4650	3840	2850
	Watts	871	966	1030	1070	1090	1090	1090
	Amps	9.42	9.11	9.11	9.28	9.50	9.62	9.51
	Lb/h	134	135	131	125	117	107	97.7
20	Btu/h	10700	8810	7410	6350	5450	4550	3460
	Watts	904	1000	1080	1120	1150	1170	1170
	Amps	9.77	9.51	9.56	9.81	10.1	10.3	10.3
	Lb/h	151	152	150	144	136	127	117
25	Btu/h	11700	9750	8310	7190	6230	5240	4050
	Watts	943	1050	1120	1180	1210	1240	1250
	Amps	10.1	9.87	9.98	10.3	10.6	10.9	11.0
	Lb/h	169	171	169	164	156	147	138
30	Btu/h	12600	10600	9130	7960	6930	5860	4570
	Watts	990	1100	1180	1240	1280	1310	1340
	Amps	10.4	10.2	10.3	10.7	11.1	11.5	11.6
	Lb/h	188	191	190	185	178	170	160

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.340316E+04	-1.728420E+03	3.878984E+01	-1.210867E+02
C2	6.825633E+01	-1.285260E+00	2.688657E-02	8.954896E-01

C3	-1.376724E+03	5.982814E+01	-8.389424E-01	6.133322E+00
C4	3.676876E+00	5.581466E-02	1.387812E-03	5.428830E-03
C5	1.963862E+00	3.695987E-02	-1.893267E-04	3.423167E-02
C6	1.075745E+01	-4.361004E-01	7.537229E-03	-5.529470E-02
C7	-7.099667E-02	4.297218E-03	-1.938410E-05	1.060428E-04
C8	1.508617E-03	-2.580047E-03	-1.057428E-05	1.199727E-04
C9	-1.487117E-02	9.833190E-04	9.005096E-06	-1.365791E-04
C10	-2.918069E-02	9.837003E-04	-2.264013E-05	1.433694E-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