Performance Data Sheet

AKA9462ZXD

General Information

Model	AKA9462ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**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	6130	5510	4830	4100	3370	2650	1990
	Watts	1120	1060	1050	1060	1070	1060	1020
	Amps	4.85	5.32	5.58	5.66	5.64	5.55	5.47
	Lb/h	104	101	96.0	89.6	82.0	73.8	65.4
5	Btu/h	7110	6430	5680	4880	4060	3260	2500
	Watts	1170	1120	1120	1130	1160	1160	1130
	Amps	5.05	5.54	5.82	5.93	5.95	5.91	5.87
	Lb/h	122	119	114	107	99.2	90.8	82.4
10	Btu/h	8120	7370	6540	5660	4750	3860	3000
	Watts	1210	1170	1170	1200	1230	1240	1230
	Amps	5.24	5.74	6.04	6.19	6.24	6.25	6.26
	Lb/h	140	137	131	125	117	108	100
15	Btu/h	9160	8340	7430	6470	5480	4480	3530
	Watts	1250	1210	1220	1260	1300	1320	1320
	Amps	5.41	5.93	6.26	6.43	6.52	6.58	6.65
	Lb/h	160	156	150	143	135	127	119
20	Btu/h	10300	9380	8390	7340	6250	5160	4090
	Watts	1280	1250	1270	1310	1360	1400	1400
	Amps	5.58	6.12	6.46	6.67	6.80	6.90	7.02
	Lb/h	180	176	170	164	156	148	140
25	Btu/h	11500	10500	9440	8290	7100	5910	4730
	Watts	1320	1290	1320	1370	1430	1480	1500
	Amps	5.74	6.29	6.66	6.91	7.07	7.22	7.39
	Lb/h	202	198	193	186	179	171	163
30	Btu/h	12800	11800	10600	9350	8060	6750	5460
	Watts	1370	1340	1370	1430	1500	1560	1590
	Amps	5.90	6.47	6.86	7.13	7.34	7.53	7.76
	Lb/h	227	224	218	212	205	197	190

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.897665E+03	5.380642E+03	-1.338386E+01	-4.055015E+00
C2	2.490823E+02	1.398987E+01	7.021463E-02	5.003159E+00

C3	1.206489E+02	-1.195072E+02	4.532975E-01	3.356218E+00
C4	5.652158E-01	-3.379059E-01	-3.192644E-04	-2.873222E-02
C5	-1.621071E-01	-1.324720E-01	-9.588662E-04	-2.215529E-02
C6	-1.722122E+00	1.089269E+00	-3.538655E-03	-3.137185E-02
C7	3.303178E-02	6.948864E-03	2.999447E-06	8.710646E-04
C8	-8.348548E-03	-2.109627E-04	2.418968E-07	2.026835E-04
C9	-6.245556E-03	1.458587E-03	7.466456E-06	7.570056E-05
C10	5.086542E-03	-3.274013E-03	9.018255E-06	7.815784E-05

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