

RK5516E-NA3A

General

Model	RK5516E-NA3A	Unit of Measure	Fahrenheit
Condition	ASHRAE (R-22)	Voltage/Frequency	230V ~ 60HZ
RETURN GAS	35°C (95°F) RETURN GAS	Motor Type	PSC

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)								
		80	90	100	110	120	130	140	150
-10	Btu/h	15800	13700	12400	11800	11500	11300	10800	9810
	Watts	895	1100	1240	1350	1430	1510	1600	1720
	Amps	3.95	4.85	5.49	5.96	6.32	6.66	7.05	7.57
	Lb/h	207	184	172	167	166	165	162	152
-5	Btu/h	13700	11600	10400	9780	9500	9270	8830	7880
	Watts	833	1040	1180	1280	1360	1440	1520	1630
	Amps	3.68	4.57	5.21	5.66	6.01	6.34	6.71	7.21
	Lb/h	179	156	144	138	137	137	133	124
0	Btu/h	12300	10200	8970	8360	8100	7890	7460	6540
	Watts	792	995	1140	1240	1320	1390	1470	1580
	Amps	3.50	4.39	5.03	5.48	5.82	6.13	6.49	6.98
	Lb/h	159	136	124	119	118	117	114	104
5	Btu/h	11500	9360	8130	7530	7270	7070	6650	5740
	Watts	767	971	1120	1220	1290	1360	1440	1550
	Amps	3.38	4.29	4.92	5.37	5.71	6.02	6.37	6.85
	Lb/h	148	125	113	107	106	106	102	92.8
10	Btu/h	11200	9080	7850	7240	6970	6770	6360	5460
	Watts	753	960	1110	1210	1290	1360	1440	1540
	Amps	3.32	4.24	4.88	5.34	5.68	5.99	6.34	6.81
	Lb/h	144	121	108	103	102	102	98.2	88.8
15	Btu/h	11500	9320	8060	7440	7160	6950	6540	5630
	Watts	747	957	1110	1210	1290	1360	1440	1550
	Amps	3.30	4.23	4.88	5.35	5.70	6.01	6.37	6.83
	Lb/h	147	124	111	106	105	104	101	91.5
20	Btu/h	12200	10000	8740	8090	7800	7570	7140	6230
	Watts	744	959	1110	1220	1300	1380	1460	1570
	Amps	3.28	4.23	4.91	5.39	5.76	6.08	6.44	6.91
	Lb/h	155	132	120	115	114	113	110	100
25	Btu/h	13400	11200	9840	9160	8830	8590	8140	7200
	Watts	739	961	1120	1230	1320	1400	1480	1590
	Amps	3.26	4.24	4.94	5.45	5.83	6.17	6.54	7.02
	Lb/h	170	147	134	129	128	127	124	114
30	Btu/h	15000	12700	11300	10600	10200	9950	9470	8510
	Watts	730	958	1120	1240	1340	1420	1510	1620
	Amps	3.22	4.23	4.96	5.49	5.90	6.26	6.64	7.14

	Lb/h	189	166	153	148	146	146	142	133
35	Btu/h	16900	14500	13100	12400	12000	11600	11100	10100
	Watts	710	948	1120	1250	1350	1430	1530	1640
	Amps	3.14	4.18	4.95	5.51	5.94	6.33	6.74	7.26
	Lb/h	212	189	176	171	169	169	165	156
40	Btu/h	19100	16700	15200	14400	13900	13600	13000	12000
	Watts	677	924	1110	1240	1350	1440	1540	1670
	Amps	2.99	4.08	4.88	5.48	5.95	6.37	6.81	7.35
	Lb/h	238	215	202	197	196	195	191	182
45	Btu/h	21600	19100	17600	16700	16200	15800	15100	14000
	Watts	626	884	1080	1220	1340	1440	1550	1680
	Amps	2.76	3.90	4.75	5.39	5.90	6.35	6.83	7.40
	Lb/h	268	244	231	226	225	224	220	211
50	Btu/h	24300	21800	20200	19200	18600	18100	17400	16300
	Watts	553	822	1030	1180	1310	1420	1540	1670
	Amps	2.44	3.63	4.53	5.22	5.77	6.26	6.78	7.39
	Lb/h	299	275	263	257	256	255	251	242

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.515643E+04	-5.067234E+03	-2.236596E+01	1.122087E+03
C2	-1.960447E+02	-1.227452E+01	-5.416969E-02	-2.940062E+00
C3	-2.102927E+03	1.413154E+02	6.237409E-01	-2.469733E+01
C4	1.340861E+01	1.286174E-01	5.676207E-04	1.631325E-01
C5	-6.309953E-01	1.227710E-01	5.417908E-04	-2.492683E-03
C6	1.706945E+01	-1.084391E+00	-4.786296E-03	2.026658E-01
C7	-5.629283E-02	-5.651749E-03	-2.494504E-05	-8.965232E-04
C8	-1.634997E-02	2.356697E-03	1.040212E-05	-1.270347E-05
C9	3.491623E-03	-6.338315E-04	-2.797249E-06	1.083512E-05
C10	-4.659049E-02	2.918306E-03	1.288082E-05	-5.550267E-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