

General

RK5519E-NA3A

Model RK5519E-NA3A Unit of Measure Celsius
 Condition ARI(R-22) Voltage/Frequency 230V ~ 60HZ
 RETURN GAS 18.3°C (65°F) RETURN GAS MotorType PSC

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.713130E+04	-2.198579E+03	-1.006367E+01	6.682024E+02
C2	9.351755E+02	-2.885653E+01	-1.320675E-01	9.951523E+00
C3	-2.514695E+03	1.864274E+02	8.533083E-01	-2.892919E+01
C4	2.875465E+01	-1.322288E+00	-6.051652E-03	2.951946E-01
C5	-5.490381E+00	9.101395E-01	4.165436E-03	-1.013961E-02
C6	4.859219E+01	-3.220048E+00	-1.473896E-02	5.773059E-01
C7	-3.883800E-01	-3.973355E-02	-1.818493E-04	-6.213382E-03
C8	-1.129016E-01	1.656928E-02	7.583148E-05	-8.971778E-05
C9	2.316470E-02	-4.455576E-03	-2.039194E-05	7.548012E-05
C10	-3.206163E-01	2.051462E-02	9.390120E-05	-3.851732E-03

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature
 Tc = Condensing Temperature

RK5519E-NA3A

General

Performance Data Sheet

Model RK5519E-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	18700	16200	14700	14000	13600	13300	12700	11600
	Watts	1080	1320	1500	1630	1730	1820	1930	2070
	Amps	4.94	6.06	6.86	7.45	7.90	8.32	8.81	9.47
	Lb/h	245	218	204	198	196	195	191	180
-5	Btu/h	16200	13700	12300	11500	11200	11000	10400	9300
	Watts	1000	1250	1420	1550	1640	1730	1830	1970
	Amps	4.60	5.72	6.51	7.08	7.52	7.92	8.39	9.01
	Lb/h	212	185	170	164	162	162	158	146
0	Btu/h	14600	12000	10600	9870	9560	9310	8810	7710
	Watts	955	1200	1370	1500	1590	1670	1770	1910
	Amps	4.37	5.49	6.28	6.84	7.27	7.66	8.11	8.72
	Lb/h	189	161	147	141	139	138	134	123
5	Btu/h	13600	11100	9600	8890	8570	8340	7850	6770
	Watts	924	1170	1340	1470	1560	1640	1740	1870
	Amps	4.23	5.36	6.15	6.72	7.14	7.53	7.97	8.56
	Lb/h	175	148	133	127	126	125	121	109
10	Btu/h	13300	10700	9260	8540	8220	7990	7500	6430
	Watts	908	1160	1330	1460	1550	1640	1730	1860
	Amps	4.15	5.30	6.10	6.67	7.10	7.49	7.92	8.51
	Lb/h	170	143	128	122	121	120	116	105
15	Btu/h	13600	11000	9520	8780	8450	8200	7710	6640
	Watts	900	1150	1330	1460	1560	1640	1740	1870
	Amps	4.12	5.28	6.11	6.69	7.13	7.52	7.96	8.54
	Lb/h	174	146	131	125	124	123	119	108
20	Btu/h	14400	11800	10300	9560	9200	8930	8430	7340
	Watts	896	1160	1340	1470	1570	1660	1760	1890
	Amps	4.10	5.29	6.14	6.74	7.20	7.60	8.05	8.64
	Lb/h	184	157	142	136	134	133	129	118
25	Btu/h	15800	13200	11600	10800	10400	10100	9600	8500
	Watts	891	1160	1350	1490	1590	1680	1790	1920
	Amps	4.08	5.30	6.18	6.81	7.28	7.71	8.17	8.78
	Lb/h	201	174	159	152	151	150	146	135
30	Btu/h	17700	15000	13400	12500	12100	11800	11200	10100
	Watts	880	1160	1350	1500	1610	1710	1810	1950
	Amps	4.03	5.29	6.20	6.86	7.37	7.82	8.31	8.93
	Lb/h	224	196	181	175	173	172	168	157
35	Btu/h	20000	17200	15500	14600	14100	13800	13100	12000
	Watts	856	1140	1350	1500	1620	1730	1840	1980
	Amps	3.92	5.23	6.18	6.89	7.43	7.91	8.43	9.07
	Lb/h	251	224	208	202	200	200	196	184
40	Btu/h	22600	19800	18000	17000	16500	16100	15400	14200
	Watts	817	1110	1330	1500	1630	1740	1860	2010
	Amps	3.74	5.10	6.10	6.85	7.44	7.96	8.51	9.19
	Lb/h	283	255	240	233	232	231	227	215
45	Btu/h	25600	22600	20800	19800	19100	18600	17900	16600
	Watts	755	1070	1300	1470	1610	1730	1860	2020
	Amps	3.46	4.88	5.94	6.74	7.37	7.94	8.53	9.25
	Lb/h	317	290	274	268	266	265	261	250
50	Btu/h	28800	25800	23900	22700	22000	21400	20600	19300
	Watts	667	991	1240	1420	1580	1710	1850	2020
	Amps	3.05	4.54	5.66	6.52	7.21	7.83	8.47	9.23
	Lb/h	355	327	311	305	303	302	298	286

	COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.124096E+05	-6.107871E+03	-2.795745E+01	1.334764E+03	
C2	-2.343837E+02	-1.479454E+01	-6.771211E-02	-3.493382E+00	

C3	-2.483246E+03	1.703383E+02	7.796762E-01	-2.939335E+01
C4	1.588746E+01	1.550216E-01	7.095259E-04	1.938796E-01
C5	-7.097952E-01	1.479722E-01	6.772385E-04	-2.973266E-03
C6	2.014812E+01	-1.307083E+00	-5.982871E-03	2.411697E-01
C7	-6.659465E-02	-6.813022E-03	-3.118130E-05	-1.065395E-03
C8	-1.935898E-02	2.841097E-03	1.300265E-05	-1.538371E-05
C9	3.972000E-03	-7.639877E-04	-3.496560E-06	1.294241E-05
C10	-5.497536E-02	3.517596E-03	1.610103E-05	-6.604479E-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