

General

RK5513E-AA3A

Model RK5513E-AA3A Unit of Measure Fahrenheit
Condition ASHRAE(R-22) Voltage/Frequency 115V ~ 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	12700	10900	9930	9420	9170	8970	8590
	Watts	729	895	1010	1100	1170	1230	1400
	Amps	6.97	8.56	9.70	10.5	11.2	11.8	13.4
	Lb/h	75.8	67.3	62.6	60.7	60.2	59.9	58.6
-5	Btu/h	11000	9270	8270	7770	7540	7360	7000
	Watts	679	845	962	1050	1110	1170	1240
	Amps	6.49	8.07	9.20	10.0	10.6	11.2	12.7
	Lb/h	65.3	56.8	52.2	50.2	49.8	49.5	48.2
0	Btu/h	9820	8110	7120	6630	6410	6240	5890
	Watts	646	811	928	1010	1070	1130	1290
	Amps	6.17	7.75	8.87	9.67	10.3	10.8	12.3
	Lb/h	58.1	49.6	44.9	43.0	42.5	42.3	41.0
5	Btu/h	9160	7440	6450	5960	5740	5580	5240
	Watts	625	792	909	992	1060	1110	1180
	Amps	5.98	7.57	8.69	9.49	10.1	10.6	11.3
	Lb/h	53.9	45.3	40.7	38.8	38.3	38.0	36.7
10	Btu/h	8940	7210	6210	5720	5500	5340	5000
	Watts	614	782	902	986	1050	1110	1260
	Amps	5.87	7.48	8.62	9.42	10.0	10.6	11.2
	Lb/h	52.4	43.8	39.2	37.3	36.8	36.5	35.2
15	Btu/h	9150	7410	6390	5880	5650	5480	5140
	Watts	609	780	902	988	1050	1110	1180
	Amps	5.82	7.46	8.62	9.45	10.1	10.6	11.2
	Lb/h	53.5	44.9	40.2	38.2	37.7	37.5	36.2
20	Btu/h	9750	7980	6940	6410	6170	5980	5640
	Watts	606	782	907	996	1060	1120	1190
	Amps	5.79	7.47	8.67	9.52	10.2	10.7	11.4
	Lb/h	56.8	48.1	43.4	41.5	41.0	40.7	39.4
25	Btu/h	10700	8900	7830	7270	7010	6800	6440
	Watts	603	783	913	1010	1080	1140	1210
	Amps	5.76	7.49	8.73	9.61	10.3	10.9	11.5
	Lb/h	62.0	53.4	48.7	46.7	46.2	45.9	44.6
30	Btu/h	12000	10100	9020	8440	8140	7910	7520
	Watts	595	781	916	1010	1090	1160	1230
	Amps	5.69	7.47	8.76	9.69	10.4	11.0	11.7
	Lb/h	69.1	60.4	55.7	53.7	53.1	52.9	51.6
35	Btu/h	13500	11600	10500	9860	9530	9270	8850
	Watts	579	772	914	1020	1100	1170	1240
	Amps	5.54	7.38	8.74	9.73	10.5	11.2	11.9
	Lb/h	77.6	68.9	64.2	62.1	61.6	61.3	60.0
40	Btu/h	15300	13400	12200	11500	11100	10800	10400
	Watts	552	753	902	1010	1100	1180	1260
	Amps	5.28	7.20	8.62	9.68	10.5	11.2	12.0
	Lb/h	87.4	78.7	73.9	71.9	71.3	71.0	69.7
45	Btu/h	17300	15300	14100	13400	13000	12600	12100
	Watts	511	720	877	996	1090	1170	1260
	Amps	4.88	6.89	8.39	9.52	10.4	11.2	12.1
	Lb/h	98.2	89.5	84.6	82.6	82.0	81.7	80.4
50	Btu/h	19600	17500	16200	15400	14900	14500	14000
	Watts	451	670	837	963	1070	1160	1250
	Amps	4.31	6.41	8.00	9.21	10.2	11.1	12.0
	Lb/h	110	101	96.1	94.0	93.4	93.1	91.8

	COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.650328E+04	-4.131281E+03	-3.948989E+01	4.168498E+02	
C2	-1.580381E+02	-1.000444E+01	-9.564337E-02	-1.085933E+00	
C3	-1.691919E+03	1.152112E+02	1.101292E+00	-9.195505E+00	
C4	1.085921E+01	1.048340E-01	1.002205E-03	6.032624E-02	
C5	-5.219539E-01	1.000612E-01	9.565996E-04	-9.371518E-04	
C6	1.372684E+01	-8.840846E-01	-8.450804E-03	7.541171E-02	

C7	-4.548016E-02	-4.606975E-03	-4.404358E-05	-3.312272E-04
C8	-1.334129E-02	1.921091E-03	1.836625E-05	-5.043318E-06
C9	2.882268E-03	-5.166051E-04	-4.938892E-06	4.088459E-06
C10	-3.745845E-02	2.379242E-03	2.274270E-05	-2.064799E-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