

General

RG A5512EXV

Model RGA5512EXV Unit of Measure Fahrenheit
Condition ASHRAE(R-22) Voltage/Frequency 265V ~ 60HZ
RETURN GAS 18.3°C (65°F) RETURN GAS Motor Type PSC

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)							
	80	90	100	110	120	130	140	150
-15	Btu/h 4140							
	Watts 570							
	Amps 2.26							
	Lb/h 53.7							
-10	Btu/h 4650	4340						
	Watts 581	645						
	Amps 2.32	2.47						
	Lb/h 60.0	58.0						
-5	Btu/h 5240	4930	4600					
	Watts 593	658	715					
	Amps 2.37	2.53	2.71					
	Lb/h 67.1	65.3	63.4					
0	Btu/h 5900	5580	5240	4880				
	Watts 605	671	731	785				
	Amps 2.41	2.59	2.78	2.97				
	Lb/h 75.0	73.4	71.7	69.9				
5	Btu/h 6640	6300	5940	5560	5180			
	Watts 616	685	746	804	858			
	Amps 2.45	2.65	2.85	3.06	3.28			
	Lb/h 83.8	82.4	80.7	79.0	77.1			
10	Btu/h 7460	7100	6710	6300	5880	5460		
	Watts 627	697	762	822	881	940		
	Amps 2.48	2.69	2.91	3.14	3.38	3.62		
	Lb/h 93.4	92.1	90.6	88.8	86.8	84.8		
15	Btu/h 8350	7960	7550	7100	6650	6180	5720	
	Watts 636	708	776	840	903	967	1030	
	Amps 2.51	2.73	2.97	3.21	3.47	3.73	4.00	
	Lb/h 104	103	101	99.3	97.3	95.1	92.7	
20	Btu/h 9320	8910	8450	7970	7470	6950	6440	5930
	Watts 642	717	788	856	924	994	1070	1150
	Amps 2.52	2.76	3.01	3.28	3.55	3.83	4.13	4.43
	Lb/h 115	114	113	111	108	106	103	101
25	Btu/h 10400	9920	9430	8900	8350	7780	7210	6630
	Watts 647	724	798	871	944	1020	1100	1180
	Amps 2.52	2.78	3.05	3.33	3.62	3.93	4.24	4.57
	Lb/h 127	126	125	123	120	118	115	112
30	Btu/h 11500	11000	10500	9900	9290	8660	8020	7380
	Watts 648	728	806	883	961	1040	1130	1220
	Amps 2.52	2.79	3.07	3.37	3.69	4.01	4.35	4.70
	Lb/h 140	139	138	136	133	130	127	123
35	Btu/h 12700	12200	11600	11000	10300	9600	8900	8180
	Watts 645	729	811	892	975	1060	1160	1260
	Amps 2.50	2.78	3.09	3.40	3.74	4.09	4.45	4.83
	Lb/h 154	153	151	149	146	143	139	135
40	Btu/h 14000	13400	12800	12100	11400	10600	9820	9030
	Watts 638	726	812	898	987	1080	1180	1290
	Amps 2.47	2.77	3.09	3.42	3.78	4.15	4.53	4.94
	Lb/h 169	168	166	164	160	157	153	148
45	Btu/h 15400	14800	14100	13300	12500	11700	10800	9920
	Watts 627	718	808	900	995	1090	1200	1320
	Amps 2.42	2.74	3.07	3.43	3.80	4.20	4.61	5.03
	Lb/h 185	183	181	179	175	171	167	162
50	Btu/h 16900	16200	15400	14600	13700	12800	11800	10900
	Watts 610	705	800	897	998	1100	1220	1340
	Amps 2.36	2.69	3.05	3.42	3.81	4.23	4.66	5.12
	Lb/h 201	200	198	195	191	186	181	176
55	Btu/h 18500	17700	16800	15900	15000	14000	12900	11900
	Watts 587	687	787	890	997	1110	1230	1370
	Amps 2.28	2.63	3.00	3.39	3.81	4.25	4.71	5.18
	Lb/h 219	217	215	211	207	202	197	191

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.792778E+03	-4.311627E+02	1.176585E+00	7.504706E+01
C2	1.296011E+02	4.922077E+00	-2.703305E-03	8.452771E-01
C3	1.801636E+01	2.095475E+01	1.242388E-02	2.142726E-01
C4	2.341303E+00	-5.077913E-02	-1.552829E-04	2.224187E-02
C5	4.811961E-01	-8.879316E-02	1.369301E-05	1.590399E-02
C6	-4.773360E-01	-1.269112E-01	4.267503E-05	-3.500017E-03
C7	1.823203E-03	-7.074363E-04	-1.381383E-06	9.792445E-06
C8	-1.044966E-02	5.122864E-04	4.254322E-07	-6.978394E-05
C9	-4.370848E-03	7.092056E-04	1.568986E-06	-7.042559E-05
C10	1.416476E-03	3.356687E-04	-6.391125E-08	1.022649E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature