

General

**RGA5460EXA**

Model RGA5460EXA Unit of Measure Fahrenheit  
 Condition ASHRAE(R-22) Voltage/Frequency 115V~60HZ  
 RETURN GAS 10K (18°F) SUPERHEAT Motor Type PSC

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)								
	80	90	100	110	120	130	140	150	
-15	Btu/h	2170	1840						
	Watts	269	332						
	Amps	2.90	3.05						
	Lb/h	28.1	24.7						
-10	Btu/h	2410	2080						
	Watts	265	328						
	Amps	2.91	3.08						
	Lb/h	31.0	27.8						
-5	Btu/h	2700	2360	2140					
	Watts	264	327	374					
	Amps	2.93	3.11	3.32					
	Lb/h	34.5	31.3	29.6					
0	Btu/h	3040	2690	2460	2290				
	Watts	264	328	376	411				
	Amps	2.94	3.13	3.36	3.60				
	Lb/h	38.5	35.4	33.7	32.9				
5	Btu/h	3430	3060	2810	2630	2480			
	Watts	267	331	380	417	445			
	Amps	2.96	3.16	3.40	3.67	3.94			
	Lb/h	43.1	40.0	38.3	37.5	37.0			
10	Btu/h	3870	3480	3210	3010	2840	2660		
	Watts	272	336	385	424	455	481		
	Amps	2.97	3.18	3.44	3.74	4.03	4.31		
	Lb/h	48.3	45.2	43.4	42.6	41.9	41.1		
15	Btu/h	4360	3950	3650	3430	3230	3030	2770	
	Watts	277	341	391	432	466	496	525	
	Amps	2.99	3.20	3.47	3.79	4.12	4.44	4.73	
	Lb/h	54.0	50.9	49.1	48.1	47.4	46.4	44.6	
20	Btu/h	4900	4460	4130	3880	3660	3430	3140	2750
	Watts	282	346	398	440	476	510	544	582
	Amps	3.00	3.21	3.50	3.84	4.20	4.56	4.90	5.18
	Lb/h	60.3	57.1	55.2	54.1	53.2	52.1	50.2	46.8
25	Btu/h	5490	5020	4660	4380	4130	3860	3540	3110
	Watts	288	352	404	448	487	524	563	606
	Amps	3.02	3.23	3.52	3.88	4.27	4.67	5.05	5.39
	Lb/h	67.3	63.9	61.8	60.6	59.6	58.3	56.1	52.5
30	Btu/h	6140	5630	5240	4920	4630	4320	3960	3510
	Watts	294	357	409	455	496	537	580	628
	Amps	3.04	3.24	3.54	3.92	4.33	4.76	5.19	5.58
	Lb/h	74.8	71.2	69.0	67.5	66.3	64.8	62.4	58.6
35	Btu/h	6850	6300	5860	5500	5170	4820	4420	3920
	Watts	298	361	414	460	504	548	596	649
	Amps	3.06	3.26	3.56	3.94	4.38	4.85	5.31	5.76
	Lb/h	82.9	79.1	76.7	75.0	73.6	71.8	69.2	65.1
40	Btu/h	7610	7020	6540	6130	5750	5360	4910	4370
	Watts	302	363	417	465	511	558	609	668
	Amps	3.08	3.27	3.57	3.97	4.42	4.92	5.43	5.92
	Lb/h	91.6	87.6	84.9	83.0	81.3	79.2	76.3	71.9
45	Btu/h	8430	7790	7260	6800	6370	5930	5430	4840
	Watts	303	364	417	467	515	565	621	685
	Amps	3.10	3.28	3.58	3.98	4.46	4.98	5.52	6.07
	Lb/h	101	96.7	93.8	91.5	89.5	87.1	83.8	79.1
50	Btu/h	9310	8610	8030	7520	7030	6540	5990	5340
	Watts	303	363	416	466	516	569	629	698
	Amps	3.13	3.29	3.59	4.00	4.48	5.03	5.61	6.20
	Lb/h	111	106	103	101	98.2	95.5	91.8	86.7
55	Btu/h	10300	9500	8850	8280	7740	7190	6580	5880
	Watts	299	358	412	463	515	571	634	708
	Amps	3.15	3.30	3.59	4.00	4.50	5.07	5.68	6.31
	Lb/h	122	117	113	110	107	104	100	94.6

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.506786E+04	-1.207465E+03	5.754076E+00	1.802710E+02
C2	9.516904E+01	7.082256E+00	5.710226E-02	7.133711E-01
C3	-3.040725E+02	3.288167E+01	-1.140114E-01	-3.728639E+00
C4	1.664385E+00	5.636962E-02	4.101242E-04	1.678549E-02
C5	-2.886219E-01	-1.613053E-01	-1.456269E-03	2.967855E-03
C6	2.489619E+00	-2.233065E-01	1.324137E-03	3.178409E-02
C7	1.526211E-03	-6.016069E-04	2.948911E-07	1.193140E-05
C8	-8.540392E-03	-2.354343E-04	-5.105193E-06	-7.084305E-05
C9	8.093584E-05	9.709267E-04	9.732435E-06	-1.368844E-05
C10	-7.100555E-03	5.284135E-04	-4.231175E-06	-9.151618E-05

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

Te = Evaporator Temperature

Tc = Condensing Temperature