Performance Data Sheet

AWG5524EXN

General Information

Model	AWG5524EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 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
-15	Btu/h	5970	5120					
	Watts	1100	1070					
	Amps	5.02	4.87					
	Lb/h	76.5	68.8					
-10	Btu/h	7600	6690	5770				
	Watts	1210	1190	1170				
	Amps	5.50	5.40	5.34				
	Lb/h	97.1	89.1	80.4				
-5	Btu/h	9320	8340	7340	6350			
	Watts	1300	1300	1290	1290			
	Amps	5.92	5.88	5.87	5.87			
	Lb/h	119	110	101	91.8			
0	Btu/h	11200	10100	9000	7920	6870		
	Watts	1390	1390	1410	1420	1420		
	Amps	6.28	6.30	6.36	6.42	6.44		
	Lb/h	141	133	123	113	103		
5	Btu/h	13100	12000	10800	9600	8440		
	Watts	1460	1480	1510	1530	1550		
	Amps	6.60	6.68	6.80	6.93	7.02		
	Lb/h	165	156	147	136	125		
10	Btu/h	15200	14000	12700	11400	10100	8910	7740
	Watts	1520	1560	1600	1640	1680	1700	1710
	Amps	6.87	7.01	7.20	7.39	7.56	7.65	7.64
	Lb/h	191	181	171	160	149	138	126
15	Btu/h	17500	16100	14700	13300	12000	10600	9310
	Watts	1580	1630	1690	1740	1790	1840	1860
	Amps	7.10	7.30	7.55	7.82	8.06	8.23	8.30
	Lb/h	218	208	198	186	175	163	150
20	Btu/h	20000	18500	17000	15400	13900	12400	11000
	Watts	1620	1690	1760	1830	1900	1960	2010
	Amps	7.28	7.54	7.86	8.20	8.52	8.77	8.92
	Lb/h	246	237	226	214	202	189	176

25	Btu/h	22600	21000	19300	17700	16000	14400	12900
	Watts	1650	1740	1830	1920	2000	2080	2140
	Amps	7.42	7.75	8.14	8.55	8.94	9.27	9.51
	Lb/h	277	267	256	244	231	218	204
30	Btu/h	25500	23700	21900	20100	18300	16600	14900
	Watts	1680	1780	1890	1990	2100	2190	2270
	Amps	7.53	7.92	8.38	8.86	9.33	9.75	10.1
	Lb/h	310	300	288	276	262	249	234
35	Btu/h	28500	26600	24700	22800	20800	18900	17000
	Watts	1700	1810	1940	2060	2180	2290	2390
	Amps	7.60	8.05	8.58	9.14	9.69	10.2	10.6
	Lb/h	345	335	323	310	296	282	267
40	Btu/h	31900	29800	27700	25600	23500	21400	19400
	Watts	1710	1840	1980	2120	2260	2390	2510
	Amps	7.64	8.16	8.76	9.39	10.0	10.6	11.1
	Lb/h	383	372	360	346	332	317	302
45	Btu/h	35400	33200	31000	28700	26500	24200	22000
	Watts	1710	1860	2020	2180	2330	2480	2610
	Amps	7.64	8.23	8.91	9.62	10.3	11.0	11.6
	Lb/h	424	413	400	386	371	356	340
50	Btu/h	39300	36900	34500	32100	29600	27200	24800
	Watts	1700	1870	2050	2220	2400	2560	2720
	Amps	7.62	8.28	9.03	9.82	10.6	11.4	12.1
	Lb/h	467	456	443	428	413	397	380
55	Btu/h	43400	40900	38300	35700	33000	30400	27800
	Watts	1690	1880	2070	2260	2460	2640	2820
	Amps	7.57	8.31	9.13	10.0	10.9	11.7	12.5
	Lb/h	514	502	488	473	458	441	424

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.663832E+04	2.081080E+03	1.241054E+01	1.578772E+02
C2	4.957828E+02	-4.880789E+00	6.098508E-03	4.670086E+00
C3	-8.352456E+00	-2.326519E+01	-1.942870E-01	6.172996E-01
C4	3.846113E+00	-2.526668E-01	-1.192043E-03	2.643917E-02
C5	-1.151694E+00	2.255676E-01	4.367246E-04	4.614401E-03
C6	-1.035891E+00	2.508152E-01	2.004604E-03	-1.302262E-02
C7	2.116586E-02	4.490398E-04	3.239920E-06	2.403226E-04
C8	-1.586475E-02	5.669953E-04	2.425469E-06	-1.154547E-05
C9	-3.652229E-03	3.803918E-04	4.294613E-06	-6.129108E-05
C10	3.558507E-03	-8.571396E-04	-6.666467E-06	3.393745E-05

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