Performance Data Sheet

AWG5528EXN

General Information

Model	AWG5528EXN	**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	7340	6290					
	Watts	1340	1350					
	Amps	7.36	7.36					
	Lb/h	94.2	84.4					
-10	Btu/h	9070	7970	6930				
	Watts	1430	1450	1460				
	Amps	7.58	7.64	7.68				
	Lb/h	116	106	96.7				
-5	Btu/h	10900	9740	8640	7590			
	Watts	1510	1540	1570	1590			
	Amps	7.82	7.92	8.02	8.10			
	Lb/h	139	129	119	110			
0	Btu/h	12800	11600	10400	9310	8250		
	Watts	1590	1640	1680	1710	1730		
	Amps	8.05	8.21	8.37	8.50	8.58		
	Lb/h	162	153	143	133	124		
5	Btu/h	14900	13600	12400	11100	9970		
	Watts	1670	1720	1770	1820	1860		
	Amps	8.28	8.50	8.71	8.90	9.05		
	Lb/h	187	178	168	158	148		
10	Btu/h	17100	15800	14400	13100	11800	10600	9450
	Watts	1730	1800	1870	1930	1980	2020	2050
	Amps	8.51	8.78	9.04	9.30	9.51	9.65	9.72
	Lb/h	214	205	195	185	174	164	154
15	Btu/h	19500	18100	16600	15200	13800	12500	11200
	Watts	1790	1870	1950	2030	2100	2150	2200
	Amps	8.73	9.05	9.37	9.69	9.96	10.2	10.3
	Lb/h	242	233	223	213	202	191	180
20	Btu/h	22100	20600	19000	17500	16000	14500	13000
	Watts	1850	1940	2030	2120	2210	2280	2340
	Amps	8.94	9.31	9.69	10.1	10.4	10.7	10.9
	Lb/h	273	263	253	243	232	220	209

25	Btu/h	24900	23300	21600	20000	18300	16700	15100
	Watts	1900	2000	2110	2210	2310	2400	2480
	Amps	9.14	9.56	10.0	10.4	10.8	11.2	11.5
	Lb/h	305	296	286	275	264	252	239
30	Btu/h	28000	26200	24400	22600	20800	19000	17300
	Watts	1940	2060	2180	2290	2410	2520	2610
	Amps	9.32	9.80	10.3	10.8	11.3	11.7	12.0
	Lb/h	340	331	321	310	298	285	272
35	Btu/h	31200	29400	27500	25500	23600	21600	19700
	Watts	1980	2110	2240	2370	2500	2630	2740
	Amps	9.48	10.0	10.6	11.1	11.6	12.1	12.6
	Lb/h	378	369	359	347	335	322	308
40	Btu/h	34800	32800	30800	28700	26600	24400	22300
	Watts	2010	2150	2300	2450	2590	2730	2860
	Amps	9.62	10.2	10.8	11.4	12.0	12.6	13.1
	Lb/h	419	410	399	388	375	361	347
45	Btu/h	38700	36500	34300	32100	29800	27500	25200
	Watts	2040	2190	2350	2510	2670	2830	2980
	Amps	9.74	10.4	11.0	11.7	12.4	13.0	13.6
	Lb/h	463	454	443	431	418	404	389
50	Btu/h	42800	40600	38200	35800	33300	30800	28300
	Watts	2060	2220	2400	2570	2750	2920	3090
	Amps	9.82	10.5	11.2	12.0	12.7	13.4	14.0
	Lb/h	510	501	490	478	465	450	434
55	Btu/h	47300	44900	42400	39800	37200	34500	31800
	Watts	2070	2250	2440	2630	2820	3010	3200
	Amps	9.88	10.6	11.4	12.2	13.0	13.8	14.5
	Lb/h	561	552	541	529	515	500	483

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.172983E+04	1.687872E+03	9.385094E+00	2.199442E+02
C2	4.226473E+02	3.737315E+00	-9.659693E-03	3.739032E+00
C3	-8.352317E+01	-1.096178E+01	-7.264148E-02	-3.562882E-01
C4	4.008876E+00	-1.388065E-01	-5.532004E-05	2.670665E-02
C5	6.159860E-01	6.300910E-02	4.039018E-04	2.567356E-02
C6	-5.601326E-01	1.776073E-01	9.998007E-04	-6.189906E-03
C7	2.649190E-02	-3.644402E-05	-3.925570E-06	3.087812E-04
C8	-1.656681E-02	2.738007E-04	3.011580E-07	-6.606507E-06
C9	-1.125089E-02	1.001375E-03	3.770800E-06	-1.437705E-04
C10	2.666017E-03	-6.920374E-04	-3.752255E-06	2.067543E-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