Performance Data Sheet

AGA5568EXT

General Information

Model	AGA5568EXT	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	22900	21900					
	Watts	3530	3400					
	Amps	10.6	10.0					
	Lb/h	313	289					
-10	Btu/h	24800	23300	21800				
	Watts	3660	3560	3470				
	Amps	11.2	10.7	10.3				
	Lb/h	335	310	285				
-5	Btu/h	27400	25500	23600	21700			
	Watts	3810	3740	3680	3610			
	Amps	11.7	11.4	11.0	10.7			
	Lb/h	366	339	313	287			
0	Btu/h	30900	28600	26200	23900	21600		
	Watts	3960	3930	3900	3870	3840		
	Amps	12.2	12.0	11.8	11.6	11.4		
	Lb/h	407	379	351	323	296		
5	Btu/h	35200	32400	29600	26900	24200		
	Watts	4120	4120	4130	4130	4140		
	Amps	12.7	12.6	12.5	12.4	12.3		
	Lb/h	456	427	398	369	340		
10	Btu/h	40200	37100	33900	30700	27500	24400	21200
	Watts	4290	4330	4370	4410	4440	4480	4520
	Amps	13.2	13.2	13.2	13.3	13.3	13.3	13.3
	Lb/h	514	484	454	424	394	364	334
15	Btu/h	46100	42500	38900	35300	31700	28100	24500
	Watts	4470	4540	4610	4690	4760	4840	4910
	Amps	13.7	13.8	13.9	14.1	14.2	14.4	14.5
	Lb/h	581	550	519	488	457	426	395
20	Btu/h	52600	48600	44600	40700	36700	32700	28700
	Watts	4650	4760	4870	4980	5090	5200	5310
	Amps	14.1	14.4	14.6	14.9	15.1	15.4	15.7
	Lb/h	657	625	593	561	529	497	465

25	Btu/h	59900	55600	51200	46800	42400	38000	33600
	Watts	4840	4980	5130	5280	5420	5570	5710
	Amps	14.5	14.9	15.3	15.6	16.0	16.4	16.8
	Lb/h	740	708	675	643	610	577	544
30	Btu/h	68000	63200	58400	53700	48900	44100	39300
	Watts	5030	5210	5400	5580	5760	5940	6120
	Amps	14.9	15.4	15.9	16.4	16.9	17.4	17.9
	Lb/h	832	799	766	733	699	665	632
35	Btu/h	76700	71600	66400	61300	56100	50900	45700
	Watts	5220	5440	5660	5890	6100	6320	6540
	Amps	15.2	15.8	16.5	17.1	17.7	18.4	19.0
	Lb/h	931	898	865	831	797	762	728
40	Btu/h	86100	80600	75200	69600	64100	58500	52900
	Watts	5410	5680	5940	6200	6450	6710	6960
	Amps	15.5	16.3	17.0	17.8	18.5	19.3	20.0
	Lb/h	1040	1010	971	937	903	868	833
45	Btu/h	96200	90400	84600	78700	72800	66800	60900
	Watts	5610	5910	6210	6510	6810	7100	7390
	Amps	15.8	16.7	17.5	18.4	19.3	20.2	21.1
	Lb/h	1150	1120	1090	1050	1020	981	946
50	Btu/h			94700	88400	82200	75900	69600
	Watts	5800	6140	6480	6820	7160	7490	7820
	Amps	16.0	17.0	18.0	19.0	20.1	21.1	22.1
	Lb/h	1270	1240	1210	1170	1140	1100	1070
55	Btu/h				98900	92300	85600	78900
	Watts	5990	6380	6760	7140	7510	7890	8260
	Amps	16.1	17.3	18.5	19.6	20.8	21.9	23.0
	Lb/h	1400	1370	1340	1300	1270	1230	1200

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.018628E+04	4.249457E+03	1.404744E+01	6.377886E+02
C2	1.419799E+03	-2.588507E+01	-9.078637E-02	1.036915E+01
C3	-2.435660E+02	-3.824736E+00	-2.337717E-02	-2.928261E+00
C4	1.436458E+01	6.240587E-02	-6.567843E-04	1.594138E-01
C5	-7.627215E+00	7.501991E-01	2.497919E-03	-1.108747E-02
C6	1.415535E-02	1.059165E-03	2.533160E-06	2.021826E-04
C7	-1.906671E-02	-1.426654E-03	-3.412067E-06	-2.723321E-04
C8	1.886372E-02	1.411465E-03	3.375741E-06	2.694328E-04
C9	-5.341734E-03	-3.996918E-04	-9.559257E-07	-7.629664E-05
C10	2.558063E-04	1.914054E-05	4.577761E-08	3.653713E-06

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