Performance Data Sheet

AVB5558EXT

General Information

Model	AVB5558EXT	**Refrigerant**	R-22
Test Condition	ARI	**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	16100	15600					
	Watts	2180	2190					
	Amps	8.71	8.64					
	Lb/h	208	209					
-10	Btu/h	19100	18400	17000				
	Watts	2440	2450	2500				
	Amps	9.12	9.09	9.15				
	Lb/h	245	246	236				
-5	Btu/h	22500	21600	20000	18000			
	Watts	2680	2690	2750	2830			
	Amps	9.50	9.51	9.62	9.76			
	Lb/h	287	286	276	259			
0	Btu/h	26300	25200	23400	21200	18700		
	Watts	2890	2920	2990	3090	3180		
	Amps	9.85	9.91	10.1	10.3	10.4		
	Lb/h	333	332	321	302	279		
5	Btu/h	30600	29200	27200	24700	22000		
	Watts	3090	3120	3210	3320	3440		
	Amps	10.2	10.3	10.5	10.8	11.0		
	Lb/h	384	382	370	350	326		
10	Btu/h	35200	33700	31400	28600	25600	22600	19800
	Watts	3260	3310	3420	3550	3690	3800	3870
	Amps	10.5	10.6	10.9	11.2	11.6	11.8	11.9
	Lb/h	440	437	424	403	378	350	323
15	Btu/h	40400	38500	36000	33000	29700	26400	23300
	Watts	3410	3480	3600	3760	3920	4070	4170
	Amps	10.7	10.9	11.3	11.7	12.1	12.4	12.6
	Lb/h	501	497	483	461	434	405	377
20	Btu/h	45900	43800	41000	37700	34100	30500	27100
	Watts	3530	3620	3770	3950	4150	4330	4460
	Amps	10.9	11.2	11.6	12.1	12.6	13.0	13.3
	Lb/h	567	562	546	523	495	465	435

25	Btu/h	52000	49600	46500	42800	38900	35000	31300
	Watts	3630	3740	3910	4130	4350	4570	4750
	Amps	11.1	11.5	11.9	12.5	13.1	13.6	14.0
	Lb/h	637	631	615	590	561	529	498
30	Btu/h	58500	55800	52400	48400	44200	39900	35800
	Watts	3690	3830	4030	4280	4550	4800	5020
	Amps	11.3	11.7	12.2	12.9	13.5	14.2	14.7
	Lb/h	712	706	688	663	632	599	566
35	Btu/h	65500	62500	58700	54400	49800	45200	40700
	Watts	3730	3900	4130	4420	4720	5020	5280
	Amps	11.4	11.9	12.5	13.2	14.0	14.7	15.3
	Lb/h	793	785	767	740	708	673	638
40	Btu/h	73000	69600	65500	60800	55900	50900	46000
	Watts	3740	3930	4210	4530	4870	5220	5530
	Amps	11.5	12.0	12.7	13.5	14.4	15.2	16.0
	Lb/h	878	870	850	822	789	753	716
45	Btu/h	80900	77200	72700	67700	62400	57000	51700
	Watts	3710	3940	4250	4620	5010	5400	5770
	Amps	11.5	12.1	12.9	13.8	14.7	15.7	16.6
	Lb/h	969	959	939	910	875	837	799
50	Btu/h	89400	85300	80500	75100	69300	63500	57900
	Watts	3660	3920	4270	4680	5120	5560	5990
	Amps	11.5	12.2	13.0	14.0	15.1	16.2	17.2
	Lb/h	1060	1050	1030	1000	966	927	888
55	Btu/h	98400	94000	88700	82900	76700	70500	64400
	Watts	3560	3870	4270	4720	5210	5710	6190
	Amps	11.4	12.2	13.1	14.2	15.4	16.6	17.7
	Lb/h	1170	1150	1130	1100	1060	1020	981

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.630857E+04	7.538609E+03	2.113688E+01	-3.298120E+02
C2	1.081095E+03	5.111989E+01	6.344696E-02	1.007424E+01
C3	1.377771E+03	-1.430822E+02	-3.512685E-01	1.902204E+01
C4	1.124136E+01	-9.062840E-01	-1.148696E-03	9.476403E-02
C5	-2.739848E+00	-4.031600E-01	-6.954544E-04	7.620234E-03
C6	-1.357364E+01	1.409225E+00	3.514857E-03	-1.700175E-01
C7	1.216778E-02	-1.623424E-03	-1.745800E-06	5.906147E-05
C8	-3.383916E-02	5.821961E-03	6.697311E-06	-1.980106E-06
C9	-8.895362E-03	3.513476E-03	9.363475E-06	-1.474168E-04
C10	3.767516E-02	-4.331911E-03	-1.108719E-05	4.483913E-04

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