Performance Data Sheet

AVA2490ZXT

General Information

Model	AVA2490ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-40	Btu/h	4580	4410	3820	2980	2070	1290	808
	Watts	1330	1250	1170	1080	989	897	810
	Amps	4.64	4.51	4.36	4.20	4.04	3.86	3.68
	Lb/h	72.4	79.1	74.8	63.4	48.9	35.0	25.8
-35	Btu/h	5960	5690	4980	4020	2990	2090	1490
	Watts	1520	1460	1380	1290	1200	1110	1030
	Amps	5.18	5.04	4.88	4.71	4.52	4.32	4.11
	Lb/h	97.5	103	98.3	86.2	70.9	56.5	46.8
-30	Btu/h	7510	7100	6250	5150	3990	2940	2200
	Watts	1730	1670	1600	1520	1430	1350	1270
	Amps	5.71	5.57	5.41	5.23	5.04	4.83	4.60
	Lb/h	125	130	124	111	94.7	79.6	69.3
-25	Btu/h	9240	8670	7660	6400	5070	3860	2950
	Watts	1940	1890	1820	1750	1680	1600	1530
	Amps	6.21	6.09	5.94	5.78	5.59	5.38	5.14
	Lb/h	154	158	151	138	121	105	93.9
-20	Btu/h	11200	10400	9230	7790	6270	4870	3770
	Watts	2160	2110	2060	1990	1930	1860	1790
	Amps	6.69	6.60	6.48	6.34	6.17	5.97	5.75
	Lb/h	187	190	182	167	150	133	121
-15	Btu/h	13300	12400	11000	9330	7610	6000	4690
	Watts	2370	2340	2290	2240	2180	2120	2070
	Amps	7.14	7.09	7.02	6.91	6.77	6.61	6.40
	Lb/h	224	226	217	201	182	165	152
-10	Btu/h	15700	14600	12900	11100	9100	7260	5710
	Watts	2580	2560	2530	2490	2440	2390	2350
	Amps	7.55	7.57	7.55	7.49	7.40	7.27	7.11
	Lb/h	266	266	256	239	219	201	187
-5	Btu/h	18400	17000	15100	13000	10800	8670	6870
	Watts	2780	2770	2750	2730	2700	2660	2640
	Amps	7.94	8.02	8.07	8.08	8.05	7.97	7.86
	Lb/h	312	311	300	282	261	241	227

0	Btu/h	21400	19700	17500	15100	12600	10300	8190
	Watts	2960	2970	2970	2960	2950	2930	2920
	Amps	8.28	8.45	8.58	8.67	8.71	8.70	8.65
	Lb/h	364	362	349	330	308	287	272
5	Btu/h	24600	22700	20200	17500	14700	12100	9680
	Watts	3130	3160	3180	3180	3190	3190	3190
	Amps	8.59	8.86	9.08	9.25	9.38	9.46	9.48
	Lb/h	423	419	405	384	361	339	323
10	Btu/h	28200	25900	23200	20200	17100	14100	11400
	Watts	3280	3330	3370	3390	3410	3430	3460
	Amps	8.85	9.23	9.56	9.83	10.1	10.2	10.3
	Lb/h	488	483	468	446	421	398	380

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-3.395997E+03	1.902612E+03	5.474190E+00	-4.656971E+02
C2	1.060553E+03	7.290494E+00	-1.121103E-01	1.382832E+01
C3	9.573516E+02	2.899457E+01	5.047252E-02	2.450564E+01
C4	9.830367E+00	-5.894763E-01	-2.957587E-03	1.395177E-01
C5	-5.327450E+00	3.717112E-01	2.556178E-03	-4.013949E-02
C6	-1.056538E+01	-2.520990E-01	-1.831849E-04	-2.289732E-01
C7	2.896281E-02	-4.808211E-03	-4.548723E-06	8.457183E-04
C8	-4.485469E-02	3.372390E-03	2.661610E-05	-1.442059E-04
C9	-1.762605E-03	-1.864673E-04	-4.253646E-06	6.929816E-05
C10	3.084385E-02	6.909968E-04	-1.084649E-07	6.539658E-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