



Tecumseh

Performance Data Sheet

AVA9519ZXT

General Information

Model	AVA9519ZXT	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
0	Btu/h	24100	20900	17700	14500	11400	8260	5180
	Watts	2720	2660	2610	2550	2500	2440	2390
	Amps	7.56	7.57	7.57	7.57	7.56	7.54	7.51
	Lb/h	432	388	343	299	254	210	165
5	Btu/h	26300	23000	19800	16500	13300	10200	7050
	Watts	2790	2760	2740	2720	2700	2680	2660
	Amps	7.79	7.84	7.89	7.94	7.98	8.01	8.03
	Lb/h	470	428	387	346	304	263	222
10	Btu/h	28500	25100	21800	18500	15300	12100	8890
	Watts	2850	2860	2870	2880	2890	2900	2910
	Amps	8.04	8.15	8.25	8.35	8.44	8.52	8.59
	Lb/h	509	470	432	394	356	317	279
15	Btu/h	30700	27300	24000	20600	17300	14000	10700
	Watts	2920	2960	3000	3040	3080	3130	3170
	Amps	8.30	8.47	8.62	8.77	8.92	9.05	9.18
	Lb/h	551	515	480	444	409	373	338
20	Btu/h	33200	29700	26200	22800	19400	16000	12700
	Watts	3000	3070	3140	3210	3280	3350	3420
	Amps	8.56	8.78	8.99	9.20	9.40	9.59	9.78
	Lb/h	597	564	531	498	465	432	399
25	Btu/h	35900	32300	28700	25200	21700	18200	14800
	Watts	3090	3190	3290	3390	3490	3590	3690
	Amps	8.80	9.08	9.35	9.61	9.87	10.1	10.4
	Lb/h	649	618	587	556	526	495	465
30	Btu/h	38800	35100	31500	27800	24200	20600	17100
	Watts	3200	3320	3450	3580	3710	3830	3960
	Amps	9.00	9.34	9.67	10.0	10.3	10.6	10.9
	Lb/h	706	678	649	620	592	563	535

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.021493E+04	3.169365E+03	7.418950E+00	7.908124E+02
C2	5.011754E+02	-3.894650E+01	-3.325787E-02	2.135337E+00

C3	-3.255592E+02	-5.796558E+00	1.561327E-03	-4.515049E+00
C4	1.279380E+00	5.162080E-03	3.638413E-04	4.813209E-02
C5	-8.817183E-01	6.635566E-01	9.471494E-04	6.495874E-02
C6	-5.745859E-02	1.971517E-03	1.343843E-05	5.224632E-04
C7	8.466091E-02	7.157338E-03	-2.006928E-05	1.559526E-03
C8	-2.368181E-02	-2.052310E-03	5.394228E-06	-4.554472E-04
C9	2.295982E-04	2.842456E-05	-2.948545E-08	8.078620E-06
C10	6.098094E-04	-2.761686E-06	-1.407619E-07	-1.337935E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature



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Performance Data Sheet

AVA9519ZXT

General Information

Model	AVA9519ZXT	Refrigerant	R-404A
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
20	Btu/h	34000	30800	27500	24300	21000	17600	14000
	Watts	2820	2910	3000	3090	3180	3270	3360
	Amps	8.38	8.59	8.80	9.00	9.21	9.41	9.61
	Lb/h	552	524	496	468	438	406	373
25	Btu/h	38400	34800	31200	27600	24100	20500	16800
	Watts	2900	3020	3140	3260	3380	3500	3610
	Amps	8.54	8.83	9.11	9.39	9.67	9.94	10.2
	Lb/h	623	594	565	536	507	477	445
30	Btu/h	43100	39000	35000	31000	27100	23200	19300
	Watts	2960	3120	3270	3420	3570	3720	3860
	Amps	8.65	9.03	9.40	9.76	10.1	10.5	10.8
	Lb/h	702	670	638	608	578	547	517
35	Btu/h	48200	43500	39000	34500	30200	25900	21700
	Watts	3000	3190	3380	3570	3750	3920	4090
	Amps	8.71	9.18	9.64	10.1	10.5	11.0	11.4
	Lb/h	791	754	719	685	653	621	590
40	Btu/h	53900	48600	43400	38400	33500	28700	24100
	Watts	3010	3240	3470	3690	3910	4110	4320
	Amps	8.71	9.28	9.84	10.4	10.9	11.4	11.9
	Lb/h	892	849	808	770	734	699	666
45	Btu/h	60400	54200	48300	42600	37100	31800	26700
	Watts	2980	3260	3530	3790	4040	4290	4520
	Amps	8.64	9.31	9.97	10.6	11.2	11.8	12.4
	Lb/h	1010	956	909	865	824	785	749
50	Btu/h	67700	60700	54000	47500	41300	35400	29600
	Watts	2920	3240	3550	3850	4150	4430	4710
	Amps	8.48	9.27	10.0	10.8	11.5	12.2	12.9
	Lb/h	1140	1080	1020	973	925	881	839

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.074577E+04	2.562086E+03	8.278703E+00	4.850953E+02
C2	1.370651E+03	-1.898294E+01	-6.665257E-02	1.179889E+01

C3	-1.549418E+02	-3.136808E+00	-1.136430E-02	-1.931829E+00
C4	4.952107E+00	-3.505021E-01	-7.580550E-04	1.440818E-01
C5	-8.573675E+00	6.299950E-01	1.633206E-03	-4.555361E-02
C6	-6.584047E-02	8.065420E-03	1.576301E-05	-3.840096E-04
C7	2.022237E-01	-6.036515E-03	-1.354039E-05	3.064035E-03
C8	-1.830346E-01	5.121761E-03	1.160036E-05	-2.809912E-03
C9	5.133210E-02	-1.345541E-03	-3.078726E-06	7.978245E-04
C10	-3.864928E-03	4.497913E-05	1.263942E-07	-6.580078E-05

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature