



Performance Data Sheet

VSC9521ZNA

General Information

Model	VSC9521ZNA	Refrigerant	R-404A
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
20	Btu/h	29100	27100	25000	22900	20700	18400	15900
	Watts	1920	2160	2440	2750	3110	3510	3980
	Amps	9.27	10.4	11.8	13.3	15.0	17.0	19.2
	Lb/h	463	458	452	445	438	430	421
25	Btu/h	32200	29900	27600	25300	22900	20300	17600
	Watts	1930	2170	2450	2760	3110	3510	3970
	Amps	9.31	10.5	11.8	13.3	15.0	17.0	19.2
	Lb/h	513	508	502	495	488	480	471
30	Btu/h	35400	32900	30400	27800	25200	22400	19600
	Watts	1930	2180	2450	2760	3110	3510	3960
	Amps	9.32	10.5	11.8	13.3	15.0	16.9	19.1
	Lb/h	569	563	557	550	543	535	527
35	Btu/h	38900	36200	33400	30600	27700	24700	21600
	Watts	1930	2180	2450	2760	3100	3500	3940
	Amps	9.30	10.5	11.8	13.3	15.0	16.9	19.1
	Lb/h	629	623	616	610	603	595	588
40	Btu/h	42700	39700	36600	33600	30400	27200	23900
	Watts	1910	2170	2440	2750	3090	3480	3920
	Amps	9.25	10.5	11.8	13.3	14.9	16.8	18.9
	Lb/h	694	688	681	675	668	661	654
45	Btu/h	46800	43400	40100	36800	33400	29900	26300
	Watts	1890	2150	2430	2730	3070	3460	3890
	Amps	9.15	10.4	11.7	13.2	14.8	16.7	18.8
	Lb/h	765	758	752	746	740	733	727
50	Btu/h	51100	47500	43900	40200	36500	32800	28900
	Watts	1860	2120	2400	2700	3040	3420	3850
	Amps	9.00	10.2	11.6	13.1	14.7	16.5	18.6
	Lb/h	841	835	829	823	817	811	806

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.065503E+04	4.750968E+02	2.295154E+00	2.745005E+02
C2	7.192972E+02	-1.075568E+01	-5.195980E-02	9.070174E+00

C3	-1.911778E+02	1.982215E+01	9.575920E-02	8.341538E-01
C4	5.946137E+00	-1.111057E-02	-5.367425E-05	4.335784E-02
C5	-4.201736E+00	3.132252E-01	1.513165E-03	-3.824701E-02
C6	9.609730E-01	-1.235355E-01	-5.967897E-04	-6.710236E-03
C7	1.762059E-02	-1.614977E-03	-7.801821E-06	4.732554E-04
C8	-3.173767E-02	3.488048E-04	1.685047E-06	1.429381E-04
C9	6.550419E-03	-1.723669E-03	-8.326905E-06	1.448560E-04
C10	-4.656224E-03	1.152219E-03	5.566274E-06	2.303228E-07

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