

AZA0395YXA

General

Model	AZA0395YXA	Unit of Measure	Fahrenheit
Condition	ARI	Voltage/Frequency	115V ~ 60HZ
RETURN GAS	4.4°C (40°F) RETURN GAS	Motor Type	RSIR

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)					
		100	110	120	130	140
0	Btu/h	661	598	529	468	428
	Watts	173	175	177	178	177
	Amps	2.57	2.59	2.59	2.57	2.58
	Lb/h	10.0	9.59	9.01	8.52	8.36
5	Btu/h	769	706	632	560	504
	Watts	183	185	188	190	191
	Amps	2.61	2.64	2.64	2.64	2.65
	Lb/h	11.7	11.3	10.8	10.2	9.88
10	Btu/h	876	814	734	651	580
	Watts	194	198	201	205	206
	Amps	2.67	2.71	2.72	2.72	2.74
	Lb/h	13.3	13.1	12.6	11.9	11.4
15	Btu/h	986	924	839	745	658
	Watts	207	211	215	220	223
	Amps	2.73	2.79	2.81	2.82	2.84
	Lb/h	15.1	15.0	14.4	13.7	13.1
20	Btu/h	1100	1040	950	846	742
	Watts	220	225	230	235	239
	Amps	2.80	2.87	2.90	2.92	2.95
	Lb/h	17.0	16.9	16.4	15.7	14.9
25	Btu/h	1230	1170	1070	956	836
	Watts	234	239	245	251	257
	Amps	2.87	2.95	3.00	3.03	3.07
	Lb/h	19.0	19.1	18.6	17.8	16.8
30	Btu/h	1370	1310	1200	1080	943
	Watts	248	253	260	267	274
	Amps	2.93	3.03	3.09	3.13	3.18
	Lb/h	21.3	21.5	21.0	20.1	19.1

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-2.254811E+03	3.856634E+02	-3.938693E+00	-4.522210E+01
C2	-3.759046E+01	2.933993E+00	-2.588586E-02	-8.220873E-01
C3	8.778777E+01	-6.151364E+00	1.620950E-01	1.523523E+00
C4	-6.646830E-02	4.159435E-02	1.087745E-04	-1.560225E-03
C5	1.130402E+00	-3.277788E-02	4.745051E-04	2.029846E-02
C6	-8.266369E-01	5.754068E-02	-1.332573E-03	-1.361618E-02

C7	4.562425E-03	-4.055260E-04	-6.403386E-06	7.248952E-05
C8	-1.175725E-04	-7.952679E-05	2.627126E-06	7.599440E-06
C9	-5.362929E-03	2.215378E-04	-1.475003E-06	-8.742137E-05
C10	2.403327E-03	-1.733088E-04	3.623648E-06	3.905349E-05

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

AZA0395YXA

General

Model	AZA0395YXA	Unit of Measure	Fahrenheit
Condition	ARI	Voltage/Frequency	115V ~ 60HZ
RETURN GAS	18.3°C (65°F) RETURN GAS	MotorType	RSIR

Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)					
		100	110	120	130	140
20	Btu/h	1220	1110	1020	905	746
	Watts	210	213	218	222	220
	Amps	2.83	2.87	2.88	2.86	2.82
	Lb/h	17.3	16.7	16.1	15.3	13.6
25	Btu/h	1370	1260	1160	1050	896
	Watts	222	227	235	241	242
	Amps	2.93	2.98	3.00	3.01	3.00
	Lb/h	19.5	18.9	18.4	17.7	16.3
30	Btu/h	1520	1400	1300	1190	1040
	Watts	233	239	249	257	261
	Amps	3.01	3.07	3.11	3.14	3.17
	Lb/h	21.8	21.1	20.7	20.1	18.9
35	Btu/h	1690	1550	1440	1330	1180
	Watts	244	252	263	273	279
	Amps	3.08	3.14	3.20	3.26	3.32
	Lb/h	24.3	23.5	23.2	22.7	21.6
40	Btu/h	1870	1720	1600	1480	1330
	Watts	256	265	278	290	297
	Amps	3.15	3.22	3.30	3.38	3.48
	Lb/h	27.0	26.2	25.9	25.5	24.6
45	Btu/h	2080	1910	1780	1650	1500
	Watts	271	281	294	308	316
	Amps	3.22	3.30	3.39	3.50	3.64
	Lb/h	30.2	29.3	29.0	28.6	27.9
50	Btu/h	2320	2140	1990	1850	1700
	Watts	290	300	314	329	339
	Amps	3.30	3.38	3.49	3.63	3.81
	Lb/h	33.9	33.0	32.6	32.3	31.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.301398E+03	1.295408E+03	-3.582002E+00	1.025029E+02
C2	8.747901E+01	2.489508E+00	1.457696E-01	1.352869E+00
C3	-1.726741E+02	-2.972174E+01	1.189546E-01	-2.573450E+00
C4	-2.546396E-01	-8.690900E-02	-9.602501E-04	-7.067483E-03
C5	-8.401338E-01	1.442488E-02	-1.953947E-03	-1.420595E-02
C6	1.515191E+00	2.547489E-01	-7.189124E-04	2.358523E-02

C7	1.050132E-02	1.654278E-03	7.763022E-06	1.629488E-04
C8	-4.810550E-03	-5.884427E-04	7.081163E-07	-4.001586E-05
C9	4.379056E-03	2.467739E-04	9.725853E-06	7.602958E-05
C10	-4.703173E-03	-7.432848E-04	1.044491E-06	-7.442241E-05

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

Model: AZA0395YXA

Product Description

Type:	Reciprocating Compressors
Application:	CBP - Commercial Back Pressure
Refrigerant:	R-134a
Voltage/Frequency:	115V ~ 60Hz 100V ~ 50Hz
Version:	N/A



Product Specifications

Performance

Condition	Test Voltage	Refrigeration Capacity			Input Power (I) W	(E) Efficiency			EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
		(R) Btu/h	(R) kcal/h	(R) W		(E) Btu/Wh	(E) kcal/Wh	W/W					
ARI (R-134a)	115V ~ 60HZ	950	239	278	230	4.13	1.04	1.21	-6.7°C (20°F)	49°C (120°F)	35°C (95°F)	4.4°C (40°F)	49°C (120°F)

General

Evaporating Temp. Range:	-17.8°C to 10°C (0°F to 50°F)
Motor Torque:	Low Start Torque (LST)
Compressor Cooling:	Fan

Mechanical

Weight:	19
Weight Unit of Measure:	LB
Displacement (cc):	5.588
Oil Type:	Polyolester
Viscosity (cSt):	32
Oil Charge (cc):	243

Electrical

Voltage Range (50 Hz):	90-110
Voltage Range (60 Hz):	103-127
Locked Rotor Amps (LRA):	28
Rated Load Amps (RLA 50 Hz):	0
Rated Load Amps (RLA 60 Hz):	2.9
Max. Continuous Current (MCC in Amps):	0
Motor Resistance (Ohm) - Main:	2.31

Motor Resistance (Ohm) - Start: 9.75
MotorType: RSIR

Overload Type:

Relay Type:

Agency Approval

CE Listed, cURus Recognized