

**THA0370YXA**
**General**

Model	THA0370YXA	Unit of Measure	Fahrenheit
Condition	ARI(R-134a)	Voltage/Frequency	115V~60HZ
RETURN GAS	4.4°C (40°F) RETURN GAS	MotorType	CSIR

**Performance Information**

EVAP TEMP (°F)	Condensing Temperature (°F)					
		100	110	120	130	140
0	Btu/h	483	447	412	378	345
	Watts	110	112	114	116	118
	Amps	1.68	1.68	1.69	1.69	1.70
	Lb/h	7.51	7.29	7.09	6.90	6.73
5	Btu/h	561	515	470	426	382
	Watts	115	117	119	121	123
	Amps	1.71	1.72	1.73	1.74	1.75
	Lb/h	8.63	8.33	8.04	7.77	7.50
10	Btu/h	650	595	541	486	433
	Watts	121	123	125	128	130
	Amps	1.75	1.76	1.78	1.79	1.81
	Lb/h	9.98	9.61	9.26	8.90	8.56
15	Btu/h	748	685	621	558	495
	Watts	127	130	133	135	138
	Amps	1.78	1.80	1.82	1.85	1.87
	Lb/h	11.5	11.1	10.7	10.3	9.86
20	Btu/h	853	782	710	638	567
	Watts	132	136	140	144	147
	Amps	1.81	1.84	1.87	1.90	1.93
	Lb/h	13.2	12.7	12.3	11.8	11.4
25	Btu/h	963	884	805	726	646
	Watts	138	143	147	152	156
	Amps	1.85	1.88	1.92	1.95	1.98
	Lb/h	14.9	14.5	14.0	13.5	13.0
30	Btu/h	1080	990	904	818	731
	Watts	142	148	154	159	165
	Amps	1.89	1.93	1.97	2.00	2.04
	Lb/h	16.7	16.3	15.8	15.3	14.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.608732E+02	9.866642E+01	1.635415E+00	1.013447E+01
C2	3.282144E+01	-1.552859E-01	-5.116138E-03	3.218803E-01
C3	-3.877493E+00	9.247249E-02	4.346573E-04	-2.833811E-02
C4	1.213769E-01	-4.979406E-03	1.246311E-05	2.433806E-03
C5	-1.626531E-01	1.470895E-02	1.166626E-04	-7.779295E-04
C6	-2.125462E-04	5.201250E-05	-2.606312E-07	1.752320E-06

C7	-2.763439E-03	-6.930459E-04	-4.303097E-08	-6.180751E-05
C8	1.403595E-03	3.460152E-04	4.089333E-08	3.084224E-05
C9	-2.162551E-04	-5.220278E-05	-9.613775E-09	-4.654699E-06
C10	1.151100E-05	1.883072E-06	2.706158E-09	1.917581E-07

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

Te = Evaporator Temperature

Tc = Condensing Temperature



## Performance Data Sheet

THA0370YXA

### General

Model	THA0370YXA	Unit of Measure	Fahrenheit
Condition	ARI(R-134a)	Voltage/Frequency	115V ~ 60HZ
RETURN GAS	18.3°C (65°F) RETURN GAS	MotorType	CSIR

### Performance Information

EVAP TEMP (°F)	Condensing Temperature (°F)					
		110	120	130	140	
20	Btu/h	827	760	693	627	562
	Watts	136	139	143	147	150
	Amps	1.85	1.87	1.90	1.92	1.95
	Lb/h	12.5	12.1	11.7	11.3	10.9
25	Btu/h	934	857	782	708	634
	Watts	141	146	151	155	160
	Amps	1.88	1.92	1.95	1.98	2.01
	Lb/h	14.1	13.7	13.2	12.8	12.5
30	Btu/h	1050	963	878	795	712
	Watts	146	152	158	164	170
	Amps	1.92	1.96	2.00	2.04	2.08
	Lb/h	15.9	15.4	15.0	14.6	14.2
35	Btu/h	1170	1080	983	890	
	Watts	151	158	165	172	
	Amps	1.95	2.00	2.05	2.10	
	Lb/h	17.8	17.3	16.9	16.4	
40	Btu/h	1310	1200	1100	994	
	Watts	156	164	173	181	
	Amps	1.99	2.05	2.11	2.16	
	Lb/h	20.0	19.5	19.0	18.5	
45	Btu/h	1460	1340	1220	1110	
	Watts	161	170	180	189	
	Amps	2.03	2.09	2.16	2.22	
	Lb/h	22.4	21.8	21.3	20.8	
50	Btu/h	1620	1490	1360	1230	
	Watts	166	176	187	198	
	Amps	2.07	2.14	2.21	2.29	
	Lb/h	25.0	24.4	23.8	23.3	

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	8.530887E+02	1.267428E+02	1.795117E+00	1.214273E+01
C2	3.407932E+01	-1.491915E+00	-1.166310E-02	1.968659E-01
C3	-3.436143E+00	-1.153904E-01	-6.250552E-04	-4.044097E-02
C4	1.727615E-01	-1.747278E-03	2.337995E-05	3.518939E-03
C5	-1.817508E-01	2.372279E-02	1.576859E-04	-2.605938E-04
C6	-1.765116E-03	-3.220503E-06	3.269653E-07	-1.920985E-05

C7	1.513989E-03	1.800893E-05	-2.459140E-07	2.113231E-05
C8	-1.079091E-03	-1.265544E-05	1.744261E-07	-1.505890E-05
C9	2.121319E-04	2.412164E-06	-3.409343E-08	2.952656E-06
C10	4.784788E-06	-7.226065E-08	-1.124955E-09	2.497379E-08

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

Te = Evaporator Temperature

Tc = Condensing Temperature