Technical Datasheet

9/09/2020

Model: AE4430Z-FZ1A

Product Description

Type: Reciprocating Compressors

Application: HBP/CBP - High/Commercial Back Pressure

Refrigerant: R-404A

Voltage/Frequency: 220-240V ~ 50Hz

Version: N/A

Product Specifications

Performance

		Refrigeration Capacity			Input Power	(E) Efficiency							
Condition	Test Voltage	(R) Btu/h	(R) kcal/h	(R) W	(I) W	(E) Btu/Wh	(E) kcal/Wh	W/W	EVAP TEMP	Condition	AMBIENT TEMP	RETURN GAS	LIQUID TEMP
ASHRAE (R-407A)	220V ~ 50HZ	2627	662	770	324	8.12	2.05	2.38	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-449A)	220V ~ 50HZ	2704	682	793	323	8.38	2.11	2.46	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-448A)	220V ~ 50HZ	2704	682	793	323	8.38	2.11	2.46	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-452A)	220V ~ 50HZ	2647	667	776	336	7.88	1.99	2.31	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)
ASHRAE (R-404A)	220V ~ 50HZ	2800	706	821	351	7.98	2.01	2.34	7.2°C (45°F)	54°C (130°F)	35°C (95°F)	35°C (95°F)	46°C (115°F)

General

Evaporating Temp. Range: -15°C to 15°C (5°F to 59°F)
Motor Torque: High Start Torque (HST)
Compressor Cooling: Fan

Mechanical

Weight: 10
Weight Unit of Measure: KG
Displacement (cc): 5.16
Oil Type: Polyolester
Viscosity (cSt): 32
Oil Charge (cc): 285

Electrical

Voltage Range (50 Hz): 198-253
Voltage Range (60 Hz):
Locked Rotor Amps (LRA): 12
Rated Load Amps (RLA 50 Hz): 2.14
Rated Load Amps (RLA 60 Hz): 0
Max. Continuous Current (MCC in Amps): 0
Motor Resistance (Ohm) - Main: 8.32
Motor Resistance (Ohm) - Start: 21.12
MotorType: CSIR

Overload Type:
Relay Type:

Agency Approval

CCC Listed, CE Listed, GOST RUSSIA Listed, GOST UKRAINE Listed, VDE Listed

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	ASHRAE (R-404A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	35°C (95°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)					
		90	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	904					
	Watts	172					
	Amps	1.66					
	Lb/h	13.4					
-5	Btu/h	1130	1020				
	Watts	187	194				
	Amps	1.68	1.70				
	Lb/h	16.7	16.3				
0	Btu/h	1360	1240	1110			
	Watts	201	208	216			
	Amps	1.70	1.72	1.74			
	Lb/h	20.1	19.6	18.9			
5	Btu/h	1600	1460	1320	1170		
	Watts	213	222	231	239		
	Amps	1.72	1.75	1.77	1.79		
	Lb/h	23.5	22.9	22.2	21.2		
10	Btu/h	1840	1700	1540	1380	1220	
	Watts	223	234	244	254	262	
	Amps	1.74	1.77	1.80	1.83	1.85	
	Lb/h	27.1	26.4	25.5	24.5	23.4	
15	Btu/h	2100	1940	1770	1590	1410	1230
	Watts	233	245	257	268	278	286
	Amps	1.76	1.80	1.83	1.87	1.90	1.92
	Lb/h	30.9	30.1	29.1	28.0	26.8	25.5
20	Btu/h	2370	2190	2000	1810	1610	1420
	Watts	240	254	268	281	293	303
	Amps	1.78	1.82	1.86	1.91	1.94	1.97
	Lb/h	34.9	34.0	33.0	31.8	30.4	29.1
25	Btu/h	2660	2460	2250	2040	1820	1610
	Watts	247	262	278	293	307	319
	Amps	1.80	1.85	1.89	1.94	1.99	2.02
	Lb/h	39.3	38.3	37.1	35.8	34.4	32.9
30	Btu/h	2970	2740	2510	2280	2040	1810
	Watts	252	269	286	303	320	334
	Amps	1.82	1.87	1.92	1.98	2.03	2.07
	Lb/h						

	Lb/h	44.0	42.9	41.6	40.2	38.7	37.1
35	Btu/h	3300	3050	2790	2540	2280	2020
	Watts	255	274	293	313	331	348
	Amps	1.83	1.88	1.94	2.01	2.07	2.12
	Lb/h	49.2	47.9	46.5	45.0	43.4	41.7
40	Btu/h	3660	3380	3100	2810	2530	2240
	Watts	257	278	299	321	342	361
	Amps	1.84	1.90	1.97	2.04	2.11	2.17
	Lb/h	54.8	53.4	51.9	50.2	48.5	46.8
45	Btu/h	4050	3740	3430	3120	2800	2490
	Watts	258	281	304	328	351	373
	Amps	1.84	1.91	1.98	2.06	2.14	2.21
	Lb/h	61.0	59.5	57.8	56.0	54.2	52.4
50	Btu/h	4480	4140	3790	3440	3100	2750
	Watts	257	282	308	334	359	384
	Amps	1.84	1.91	2.00	2.08	2.17	2.25
	Lb/h	67.9	66.2	64.3	62.4	60.5	58.5
55	Btu/h	4940	4560	4180	3800	3420	3040
	Watts	255	282	310	338	366	393
	Amps	1.83	1.91	2.00	2.10	2.20	2.29
	Lb/h	75.4	73.5	71.5	69.5	67.4	65.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.838876E+03	2.364383E+02	2.225884E+00	8.919978E+00
C2	6.831014E+01	1.331782E+00	5.291439E-03	9.103588E-01
C3	3.861005E+00	-2.543877E+00	-1.939293E-02	3.362150E-01
C4	5.347255E-01	-4.201757E-02	-3.583244E-05	2.920150E-03
C5	-2.791501E-01	1.842720E-03	-9.171120E-05	-3.374097E-03
C6	-1.288794E-01	3.476794E-02	2.149248E-04	-2.920053E-03
C7	4.123749E-03	-5.397173E-06	-9.019126E-07	7.798421E-05
C8	-4.744789E-03	1.528992E-04	5.954594E-07	-1.378650E-05
C9	4.204900E-04	1.302042E-04	8.801700E-07	8.656560E-06
C10	3.036022E-04	-1.214002E-04	-7.146167E-07	6.251319E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	ASHRAE (R-407A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	35°C (95°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)					
		90	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	1190					
	Watts	179					
	Amps	1.59					
	Lb/h	11.4					
-5	Btu/h	1340	1200				
	Watts	186	193				
	Amps	1.60	1.63				
	Lb/h	12.8	12.2				
0	Btu/h	1500	1360	1210			
	Watts	193	202	209			
	Amps	1.60	1.64	1.66			
	Lb/h	14.5	13.9	13.3			
5	Btu/h	1690	1540	1380	1210		
	Watts	200	210	219	226		
	Amps	1.62	1.65	1.68	1.70		
	Lb/h	16.3	15.8	15.2	14.5		
10	Btu/h	1910	1740	1570	1380	1190	
	Watts	208	219	229	237	245	
	Amps	1.63	1.67	1.70	1.73	1.75	
	Lb/h	18.5	18.0	17.4	16.7	15.9	
15	Btu/h	2140	1960	1770	1570	1360	1140
	Watts	215	227	238	248	257	264
	Amps	1.65	1.69	1.73	1.76	1.78	1.81
	Lb/h	20.8	20.4	19.8	19.1	18.2	17.2
20	Btu/h	2410	2210	2000	1770	1540	1300
	Watts	221	235	247	259	270	278
	Amps	1.67	1.72	1.76	1.79	1.82	1.86
	Lb/h	23.5	23.1	22.5	21.7	20.8	19.7
25	Btu/h	2700	2470	2240	1990	1730	1460
	Watts	227	242	256	270	282	292
	Amps	1.69	1.74	1.78	1.82	1.86	1.90
	Lb/h	26.5	26.0	25.4	24.6	23.6	22.4
30	Btu/h	3010	2760	2500	2220	1940	1640
	Watts	232	248	264	280	293	306
	Amps	1.71	1.76	1.81	1.86	1.90	1.95
	Lb/h						

	Lb/h	29.8	29.3	28.6	27.7	26.6	25.3
35	Btu/h	3360	3080	2780	2470	2150	1820
	Watts	236	254	272	289	304	318
	Amps	1.72	1.78	1.84	1.89	1.94	2.00
	Lb/h	33.5	32.9	32.1	31.1	29.9	28.5
40	Btu/h	3730	3420	3090	2740	2380	2010
	Watts	238	258	278	297	315	331
	Amps	1.74	1.80	1.86	1.92	1.98	2.04
	Lb/h	37.6	36.9	36.0	34.9	33.5	32.0
45	Btu/h	4140	3780	3410	3030	2630	2210
	Watts	240	261	283	304	324	342
	Amps	1.75	1.82	1.88	1.95	2.01	2.09
	Lb/h	42.1	41.3	40.3	39.0	37.5	35.7
50	Btu/h	4580	4180	3760	3330	2890	2430
	Watts	240	263	287	309	331	352
	Amps	1.75	1.82	1.90	1.97	2.04	2.12
	Lb/h	47.1	46.1	44.9	43.5	41.8	39.8
55	Btu/h	5050	4600	4140	3660	3170	2650
	Watts	238	263	289	314	338	361
	Amps	1.75	1.83	1.91	1.99	2.07	2.16
	Lb/h	52.5	51.4	50.0	48.4	46.5	44.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.493028E+03	1.481719E+02	2.927174E-01	1.729630E+01
C2	3.975936E+01	3.564608E-01	4.880206E-03	1.107004E-01
C3	-8.082756E+00	-5.075046E-01	2.892173E-02	-2.728695E-02
C4	1.150343E+00	-1.340449E-02	3.661371E-05	8.356621E-03
C5	2.094888E-02	3.874000E-03	-1.059446E-04	3.849792E-03
C6	-3.009537E-02	1.809571E-02	-2.035752E-04	1.312588E-04
C7	1.297103E-03	-2.405351E-04	-1.462071E-06	3.345496E-05
C8	-7.748648E-03	1.636190E-04	5.969649E-07	-4.458745E-05
C9	-7.513709E-04	9.376514E-05	8.276827E-07	-1.304487E-05
C10	-2.513571E-05	-7.668587E-05	4.890368E-07	-1.958472E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	ASHRAE (R-448A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	35°C (95°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)					
		90	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	874					
	Watts	158					
	Amps	1.56					
	Lb/h	10.1					
-5	Btu/h	1090	983				
	Watts	172	178				
	Amps	1.58	1.60				
	Lb/h	12.6	12.3				
0	Btu/h	1320	1200	1070			
	Watts	184	191	198			
	Amps	1.60	1.62	1.64			
	Lb/h	15.1	14.8	14.2			
5	Btu/h	1550	1410	1280	1130		
	Watts	195	204	212	219		
	Amps	1.62	1.64	1.67	1.69		
	Lb/h	17.7	17.3	16.7	16.0		
10	Btu/h	1780	1640	1490	1330	1180	
	Watts	205	215	225	233	241	
	Amps	1.64	1.67	1.70	1.72	1.74	
	Lb/h	20.4	19.9	19.3	18.5	17.6	
15	Btu/h	2030	1870	1710	1540	1360	1190
	Watts	214	225	236	246	256	263
	Amps	1.66	1.69	1.73	1.76	1.79	1.80
	Lb/h	23.3	22.7	22.0	21.1	20.2	19.2
20	Btu/h	2290	2110	1930	1750	1560	1370
	Watts	221	233	246	258	269	279
	Amps	1.68	1.72	1.76	1.79	1.83	1.85
	Lb/h	26.3	25.7	24.9	24.0	23.0	21.9
25	Btu/h	2570	2370	2170	1970	1760	1550
	Watts	227	241	255	269	282	293
	Amps	1.70	1.74	1.78	1.83	1.87	1.90
	Lb/h	29.6	28.9	28.0	27.0	25.9	24.8
30	Btu/h	2870	2650	2430	2200	1970	1740
	Watts	231	247	263	279	294	307
	Amps	1.71	1.76	1.81	1.86	1.91	1.95
	Lb/h						

	Lb/h	33.2	32.3	31.4	30.3	29.2	28.0
35	Btu/h	3190	2950	2700	2450	2200	1950
	Watts	234	252	270	288	304	320
	Amps	1.72	1.77	1.83	1.89	1.95	2.00
	Lb/h	37.1	36.1	35.1	33.9	32.7	31.5
40	Btu/h	3540	3270	2990	2720	2440	2170
	Watts	236	255	275	295	314	332
	Amps	1.73	1.79	1.85	1.92	1.98	2.04
	Lb/h	41.4	40.3	39.1	37.9	36.6	35.3
45	Btu/h	3920	3620	3310	3010	2700	2400
	Watts	237	258	280	301	323	343
	Amps	1.73	1.80	1.87	1.94	2.02	2.08
	Lb/h	46.0	44.9	43.6	42.3	40.9	39.5
50	Btu/h	4330	3990	3660	3330	2990	2660
	Watts	236	259	283	307	330	353
	Amps	1.73	1.80	1.88	1.96	2.04	2.12
	Lb/h	51.2	49.9	48.5	47.1	45.6	44.1
55	Btu/h	4770	4410	4040	3670	3300	2940
	Watts	234	259	285	311	337	361
	Amps	1.73	1.80	1.89	1.98	2.07	2.16
	Lb/h	56.8	55.4	54.0	52.4	50.8	49.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.776048E+03	2.173273E+02	2.096090E+00	6.728234E+00
C2	6.597788E+01	1.224085E+00	4.983403E-03	6.866887E-01
C3	3.729196E+00	-2.338261E+00	-1.826204E-02	2.536071E-01
C4	5.164322E-01	-3.862023E-02	-3.375225E-05	2.202590E-03
C5	-2.696155E-01	1.693979E-03	-8.636681E-05	-2.545122E-03
C6	-1.244778E-01	3.195762E-02	2.023924E-04	-2.202590E-03
C7	3.983126E-03	-4.968173E-06	-8.492544E-07	5.882326E-05
C8	-4.582711E-03	1.405392E-04	5.607519E-07	-1.039840E-05
C9	4.061286E-04	1.196786E-04	8.288596E-07	6.529576E-06
C10	2.932338E-04	-1.115872E-04	-6.729484E-07	4.715363E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	ASHRAE (R-449A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	35°C (95°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)					
		90	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	874					
	Watts	158					
	Amps	1.56					
	Lb/h	10.1					
-5	Btu/h	1090	983				
	Watts	172	178				
	Amps	1.58	1.60				
	Lb/h	12.6	12.3				
0	Btu/h	1320	1200	1070			
	Watts	184	191	198			
	Amps	1.60	1.62	1.64			
	Lb/h	15.1	14.8	14.2			
5	Btu/h	1550	1410	1280	1130		
	Watts	195	204	212	219		
	Amps	1.62	1.64	1.67	1.69		
	Lb/h	17.7	17.3	16.7	16.0		
10	Btu/h	1780	1640	1490	1330	1180	
	Watts	205	215	225	233	241	
	Amps	1.64	1.67	1.70	1.72	1.74	
	Lb/h	20.4	19.9	19.3	18.5	17.6	
15	Btu/h	2030	1870	1710	1540	1360	1190
	Watts	214	225	236	246	256	263
	Amps	1.66	1.69	1.73	1.76	1.79	1.80
	Lb/h	23.3	22.7	22.0	21.1	20.2	19.2
20	Btu/h	2290	2110	1930	1750	1560	1370
	Watts	221	233	246	258	269	279
	Amps	1.68	1.72	1.76	1.79	1.83	1.85
	Lb/h	26.3	25.7	24.9	24.0	23.0	21.9
25	Btu/h	2570	2370	2170	1970	1760	1550
	Watts	227	241	255	269	282	293
	Amps	1.70	1.74	1.78	1.83	1.87	1.90
	Lb/h	29.6	28.9	28.0	27.0	25.9	24.8
30	Btu/h	2870	2650	2430	2200	1970	1740
	Watts	231	247	263	279	294	307
	Amps	1.71	1.76	1.81	1.86	1.91	1.95
	Lb/h						

	Lb/h	33.2	32.3	31.4	30.3	29.2	28.0
35	Btu/h	3190	2950	2700	2450	2200	1950
	Watts	234	252	270	288	304	320
	Amps	1.72	1.77	1.83	1.89	1.95	2.00
	Lb/h	37.1	36.1	35.1	33.9	32.7	31.5
40	Btu/h	3540	3270	2990	2720	2440	2170
	Watts	236	255	275	295	314	332
	Amps	1.73	1.79	1.85	1.92	1.98	2.04
	Lb/h	41.4	40.3	39.1	37.9	36.6	35.3
45	Btu/h	3920	3620	3310	3010	2700	2400
	Watts	237	258	280	301	323	343
	Amps	1.73	1.80	1.87	1.94	2.02	2.08
	Lb/h	46.0	44.9	43.6	42.3	40.9	39.5
50	Btu/h	4330	3990	3660	3330	2990	2660
	Watts	236	259	283	307	330	353
	Amps	1.73	1.80	1.88	1.96	2.04	2.12
	Lb/h	51.2	49.9	48.5	47.1	45.6	44.1
55	Btu/h	4770	4410	4040	3670	3300	2940
	Watts	234	259	285	311	337	361
	Amps	1.73	1.80	1.89	1.98	2.07	2.16
	Lb/h	56.8	55.4	54.0	52.4	50.8	49.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.776048E+03	2.173273E+02	2.096090E+00	6.728234E+00
C2	6.597788E+01	1.224085E+00	4.983403E-03	6.866887E-01
C3	3.729196E+00	-2.338261E+00	-1.826204E-02	2.536071E-01
C4	5.164322E-01	-3.862023E-02	-3.375225E-05	2.202590E-03
C5	-2.696155E-01	1.693979E-03	-8.636681E-05	-2.545122E-03
C6	-1.244778E-01	3.195762E-02	2.023924E-04	-2.202590E-03
C7	3.983126E-03	-4.968173E-06	-8.492544E-07	5.882326E-05
C8	-4.582711E-03	1.405392E-04	5.607519E-07	-1.039840E-05
C9	4.061286E-04	1.196786E-04	8.288596E-07	6.529576E-06
C10	2.932338E-04	-1.115872E-04	-6.729484E-07	4.715363E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	ASHRAE (R-452A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	35°C (95°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)					
		90	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	855					
	Watts	165					
	Amps	1.58					
	Lb/h	12.4					
-5	Btu/h	1070	962				
	Watts	179	185				
	Amps	1.60	1.62				
	Lb/h	15.5	15.1				
0	Btu/h	1290	1170	1050			
	Watts	192	199	207			
	Amps	1.62	1.64	1.66			
	Lb/h	18.6	18.1	17.5			
5	Btu/h	1510	1380	1250	1110		
	Watts	204	212	221	228		
	Amps	1.64	1.66	1.69	1.71		
	Lb/h	21.7	21.2	20.5	19.6		
10	Btu/h	1740	1600	1460	1300	1150	
	Watts	214	224	234	243	251	
	Amps	1.66	1.69	1.72	1.74	1.76	
	Lb/h	25.0	24.4	23.6	22.7	21.6	
15	Btu/h	1990	1830	1670	1500	1330	1170
	Watts	223	234	246	257	266	274
	Amps	1.68	1.71	1.75	1.78	1.81	1.82
	Lb/h	28.5	27.8	26.9	25.9	24.8	23.6
20	Btu/h	2240	2070	1890	1710	1520	1340
	Watts	230	243	256	269	281	290
	Amps	1.70	1.73	1.77	1.81	1.85	1.87
	Lb/h	32.3	31.4	30.5	29.3	28.1	26.9
25	Btu/h	2510	2320	2120	1920	1720	1520
	Watts	236	251	266	280	294	306
	Amps	1.71	1.76	1.80	1.85	1.89	1.92
	Lb/h	36.3	35.4	34.3	33.1	31.8	30.4
30	Btu/h	2810	2590	2370	2150	1930	1710
	Watts	241	257	274	290	306	320
	Amps	1.73	1.78	1.83	1.88	1.93	1.97

	Lb/h	40.7	39.6	38.4	37.1	35.7	34.3
35	Btu/h	3120	2880	2640	2400	2150	1910
	Watts	244	262	281	299	317	333
	Amps	1.74	1.79	1.85	1.91	1.97	2.02
	Lb/h	45.4	44.3	43.0	41.6	40.1	38.6
40	Btu/h	3460	3200	2930	2660	2390	2120
	Watts	246	266	287	307	327	346
	Amps	1.75	1.81	1.87	1.94	2.00	2.06
	Lb/h	50.7	49.4	48.0	46.4	44.8	43.2
45	Btu/h	3830	3540	3240	2950	2650	2350
	Watts	247	269	291	314	336	357
	Amps	1.75	1.82	1.89	1.96	2.04	2.11
	Lb/h	56.4	55.0	53.4	51.8	50.1	48.4
50	Btu/h	4230	3910	3580	3250	2930	2600
	Watts	246	270	294	319	344	367
	Amps	1.75	1.82	1.90	1.98	2.07	2.15
	Lb/h	62.7	61.2	59.5	57.7	55.9	54.1
55	Btu/h	4670	4310	3950	3590	3230	2880
	Watts	244	270	296	324	351	376
	Amps	1.74	1.82	1.91	2.00	2.09	2.18
	Lb/h	69.6	67.9	66.1	64.2	62.3	60.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.738248E+03	2.263438E+02	2.118506E+00	8.243643E+00
C2	6.457346E+01	1.274921E+00	5.036382E-03	8.413190E-01
C3	3.649782E+00	-2.435265E+00	-1.845741E-02	3.107185E-01
C4	5.054480E-01	-4.022342E-02	-3.410895E-05	2.698845E-03
C5	-2.638800E-01	1.763896E-03	-8.728744E-05	-3.118221E-03
C6	-1.218275E-01	3.328355E-02	2.045569E-04	-2.698616E-03
C7	3.898253E-03	-5.170768E-06	-8.583514E-07	7.206875E-05
C8	-4.485143E-03	1.463735E-04	5.667260E-07	-1.274053E-05
C9	3.974889E-04	1.246453E-04	8.377157E-07	7.999904E-06
C10	2.869896E-04	-1.162171E-04	-6.801442E-07	5.777284E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Celsius
Condition	EN12900	**Voltage/Frequency**	220V~50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°C)		Condensing Temperature (°C)							
		30	35	40	45	50	55	60	65
-15	Btu/h	1520	1390	1260	1130	1000	862	721	574
	Watts (Power)	216	224	232	240	247	252	255	255
	Amps	1.72	1.74	1.76	1.78	1.80	1.81	1.81	1.80
	Lb/h	24.4	23.6	22.8	21.8	20.8	19.6	18.4	17.0
-10	Btu/h	1890	1740	1590	1440	1280	1120	956	787
	Watts (Power)	228	239	250	260	270	278	284	288
	Amps	1.75	1.78	1.81	1.84	1.87	1.89	1.91	1.91
	Lb/h	30.4	29.6	28.7	27.8	26.7	25.6	24.3	23.0
-6.7	Btu/h	2160	2000	1830	1660	1480	1300	1120	929
	Watts (Power)	235	247	260	272	284	295	303	310
	Amps	1.77	1.80	1.84	1.88	1.92	1.95	1.97	1.98
	Lb/h	35.0	34.2	33.3	32.3	31.2	30.0	28.7	27.3
-5	Btu/h	2320	2140	1960	1780	1590	1400	1200	1000
	Watts (Power)	238	251	265	278	291	303	313	320
	Amps	1.78	1.82	1.86	1.90	1.94	1.97	2.00	2.02
	Lb/h	37.6	36.7	35.8	34.8	33.6	32.4	31.1	29.7
0	Btu/h	2820	2600	2390	2160	1940	1710	1480	1240
	Watts (Power)	245	261	277	294	310	325	339	351
	Amps	1.81	1.85	1.90	1.95	2.00	2.05	2.10	2.13
	Lb/h	46.3	45.3	44.2	43.0	41.8	40.4	39.0	37.5
5	Btu/h	3410	3140	2880	2610	2340	2060	1780	1490
	Watts (Power)	248	267	286	306	326	345	363	378
	Amps	1.82	1.87	1.93	1.99	2.06	2.12	2.18	2.23
	Lb/h	56.8	55.6	54.3	53.0	51.5	50.0	48.4	46.7
7.2	Btu/h	3690	3410	3120	2830	2530	2230	1930	1620
	Watts (Power)	248	268	289	310	332	352	372	389
	Amps	1.82	1.88	1.94	2.01	2.08	2.15	2.22	2.27
	Lb/h	62.1	60.8	59.4	58.0	56.4	54.8	53.1	51.2
10	Btu/h	4090	3770	3450	3130	2800	2470	2130	1790
	Watts (Power)	247	268	291	314	338	361	382	402
	Amps	1.82	1.88	1.95	2.02	2.10	2.18	2.26	2.33
	Lb/h	69.5	68.1	66.5	64.9	63.2	61.4	59.6	57.6
15	Btu/h	4880	4500	4110	3730	3330	2940	2540	2130
	Watts (Power)	240	265	291	318	345	372	398	422
	Amps	1.79	1.87	1.95	2.04	2.13	2.23	2.32	2.41

	Lb/h	84.8	83.0	81.1	79.2	77.2	75.1	72.9	70.6

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.094416E+03	1.968618E+02	1.862090E+00	5.092904E+01
C2	1.585362E+02	-1.380107E+00	-1.057028E-03	2.121453E+00
C3	-4.263413E+01	-4.552719E-01	-1.506074E-02	-1.187199E-01
C4	2.672370E+00	-9.985284E-02	-3.353627E-04	4.414549E-02
C5	-1.642979E+00	5.400131E-02	8.849990E-06	-7.245429E-03
C6	2.701543E-02	9.113925E-02	5.661250E-04	-1.024413E-03
C7	1.445846E-02	-1.000850E-03	-5.266884E-06	4.480579E-04
C8	-3.313097E-02	7.146749E-04	3.477579E-06	-2.445512E-04
C9	-7.239938E-04	8.708442E-04	5.140356E-06	8.254403E-06
C10	-7.318099E-04	-7.340517E-04	-4.173448E-06	-5.173985E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	EN12900	**Voltage/Frequency**	220V~50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)							
		80	90	100	110	120	130	140	150
5	Btu/h	1600	1460	1320	1180	1030	878	721	557
	Watts	211	219	229	237	245	251	255	255
	Amps	1.70	1.72	1.75	1.77	1.80	1.81	1.81	1.80
	Lb/h	24.9	24.1	23.2	22.1	21.0	19.7	18.4	16.9
10	Btu/h	1810	1660	1500	1350	1190	1020	850	675
	Watts	217	227	238	248	258	266	271	274
	Amps	1.72	1.75	1.77	1.81	1.83	1.86	1.87	1.86
	Lb/h	28.1	27.3	26.4	25.4	24.2	23.0	21.6	20.1
15	Btu/h	2030	1860	1700	1520	1350	1170	983	791
	Watts	223	234	247	259	270	280	288	292
	Amps	1.74	1.77	1.80	1.84	1.87	1.90	1.92	1.92
	Lb/h	31.6	30.8	29.9	28.8	27.7	26.4	25.0	23.5
20	Btu/h	2280	2090	1910	1720	1520	1320	1120	909
	Watts	228	241	255	268	282	294	304	310
	Amps	1.76	1.79	1.82	1.87	1.91	1.94	1.97	1.98
	Lb/h	35.6	34.7	33.7	32.6	31.5	30.2	28.7	27.2
25	Btu/h	2540	2340	2130	1920	1710	1490	1260	1030
	Watts	232	246	262	277	293	307	319	328
	Amps	1.77	1.80	1.85	1.90	1.94	1.99	2.02	2.05
	Lb/h	40.0	39.0	38.0	36.8	35.6	34.2	32.7	31.1
30	Btu/h	2840	2610	2380	2140	1910	1660	1410	1160
	Watts	235	251	268	286	303	319	333	345
	Amps	1.78	1.82	1.87	1.92	1.98	2.03	2.07	2.11
	Lb/h	44.8	43.8	42.7	41.5	40.1	38.7	37.1	35.5
35	Btu/h	3160	2900	2650	2380	2120	1850	1570	1290
	Watts	237	254	273	293	312	330	347	362
	Amps	1.79	1.83	1.89	1.95	2.01	2.07	2.12	2.17
	Lb/h	50.3	49.1	47.9	46.6	45.1	43.6	41.9	40.2
40	Btu/h	3510	3220	2940	2650	2350	2050	1750	1430
	Watts	237	256	277	299	320	341	360	377
	Amps	1.79	1.84	1.90	1.97	2.04	2.11	2.17	2.23
	Lb/h	56.3	55.1	53.7	52.2	50.7	49.0	47.3	45.4
45	Btu/h	3890	3570	3250	2930	2600	2270	1930	1590
	Watts	236	257	280	303	327	350	372	391
	Amps	1.79	1.84	1.91	1.99	2.06	2.14	2.22	2.28

	Lb/h	63.0	61.6	60.1	58.5	56.8	55.0	53.1	51.1
50	Btu/h	4300	3950	3590	3240	2870	2510	2130	1750
	Watts	233	256	281	307	333	358	382	405
	Amps	1.78	1.84	1.92	2.00	2.09	2.17	2.26	2.33
	Lb/h	70.5	68.9	67.2	65.5	63.6	61.6	59.6	57.4
55	Btu/h	4740	4360	3960	3570	3170	2760	2350	1930
	Watts	229	254	280	308	337	365	392	417
	Amps	1.77	1.84	1.92	2.01	2.10	2.20	2.29	2.38
	Lb/h	78.7	77.0	75.1	73.1	71.1	68.9	66.7	64.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.480905E+03	2.446432E+02	2.228978E+00	2.550263E+01
C2	4.736947E+01	5.490077E-01	5.299244E-03	5.297204E-01
C3	-1.444927E+01	-2.541922E+00	-1.941984E-02	-1.692616E-02
C4	7.685949E-01	-1.826528E-02	-3.589069E-05	7.591557E-03
C5	-1.355700E-01	-7.323148E-04	-9.184120E-05	3.568628E-04
C6	2.435688E-02	3.543426E-02	2.152237E-04	-2.762999E-04
C7	2.479159E-03	-1.716135E-04	-9.031008E-07	7.682748E-05
C8	-5.680893E-03	1.225437E-04	5.962927E-07	-4.193265E-05
C9	-1.241416E-04	1.493217E-04	8.814054E-07	1.415364E-06
C10	-1.254818E-04	-1.258662E-04	-7.156118E-07	-8.871717E-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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Celsius
Condition	EN12900	**Voltage/Frequency**	240V~50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°C)	Condensing Temperature (°C)								
		30	35	40	45	50	55	60	65
-15	Watts (Capacity)	445	408	371	332	293	253	211	168
	Watts (Power)	216	224	232	240	247	252	255	255
	Amps	1.72	1.74	1.76	1.78	1.80	1.81	1.81	1.80
	Lb/h	14.1	13.9	13.6	13.4	13.1	12.9	12.8	12.6
-10	Watts (Capacity)	553	510	466	421	375	328	280	231
	Watts (Power)	228	239	250	260	270	278	284	288
	Amps	1.75	1.78	1.81	1.84	1.87	1.89	1.91	1.91
	Lb/h	17.1	16.9	16.7	16.4	16.2	16.0	15.9	15.8
-6.7	Watts (Capacity)	634	585	536	485	434	381	328	272
	Watts (Power)	235	247	260	272	284	295	303	310
	Amps	1.77	1.80	1.84	1.88	1.92	1.95	1.97	1.98
	Lb/h	19.3	19.1	18.8	18.6	18.4	18.2	18.0	17.9
-5	Watts (Capacity)	679	627	574	520	466	410	353	294
	Watts (Power)	238	251	265	278	291	303	313	320
	Amps	1.78	1.82	1.86	1.90	1.94	1.97	2.00	2.02
	Lb/h	20.5	20.3	20.0	19.8	19.5	19.3	19.2	19.0
0	Watts (Capacity)	826	763	699	634	568	501	432	362
	Watts (Power)	245	261	277	294	310	325	339	351
	Amps	1.81	1.85	1.90	1.95	2.00	2.05	2.10	2.13
	Lb/h	24.4	24.1	23.8	23.5	23.2	22.9	22.7	22.5
5	Watts (Capacity)	998	922	844	765	685	604	522	438
	Watts (Power)	248	267	286	306	326	345	363	378
	Amps	1.82	1.87	1.93	1.99	2.06	2.12	2.18	2.23
	Lb/h	28.9	28.5	28.1	27.7	27.2	26.8	26.5	26.2
7.2	Watts (Capacity)	1080	999	915	829	743	655	565	475
	Watts (Power)	248	268	289	310	332	352	372	389
	Amps	1.82	1.88	1.94	2.01	2.08	2.15	2.22	2.27
	Lb/h	31.1	30.7	30.2	29.7	29.2	28.7	28.3	27.9
10	Watts (Capacity)	1200	1110	1010	917	821	724	625	524
	Watts (Power)	247	268	291	314	338	361	382	402
	Amps	1.82	1.88	1.95	2.02	2.10	2.18	2.26	2.33
	Lb/h	34.1	33.6	33.0	32.4	31.8	31.2	30.7	30.2
15	Watts (Capacity)	1430	1320	1210	1090	977	861	744	625
	Watts (Power)	240	265	291	318	345	372	398	422
	Amps	1.79	1.87	1.95	2.04	2.13	2.23	2.32	2.41

	Lb/h	40.1	39.3	38.5	37.7	36.9	36.1	35.4	34.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.199960E+03	1.968620E+02	1.862090E+00	2.463300E+01
C2	4.646250E+01	-1.380110E+00	-1.057090E-03	9.562950E-01
C3	-1.249520E+01	-4.552700E-01	-1.506050E-02	5.782790E-02
C4	7.831960E-01	-9.985310E-02	-3.353640E-04	1.759740E-02
C5	-4.815130E-01	5.400160E-02	8.852640E-06	-3.843440E-03
C6	7.925810E-03	9.113920E-02	5.661210E-04	-2.873200E-03
C7	4.237370E-03	-1.000850E-03	-5.266900E-06	1.150100E-04
C8	-9.709770E-03	7.146780E-04	3.477610E-06	-1.874160E-04
C9	-2.121400E-04	8.708420E-04	5.140330E-06	1.035650E-06
C10	-2.145330E-04	-7.340520E-04	-4.173420E-06	2.267780E-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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Celsius
Condition	EN12900 (R-404A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°C)		Condensing Temperature (°C)						
		30	35	40	45	50	55	60
-25	Btu/h	928	820					
	Watts (Power)	186	191					
	Amps	1.65	1.66					
	Lb/h	14.5	13.6					
-23.3	Btu/h	1020	909					
	Watts (Power)	192	196					
	Amps	1.66	1.67					
	Lb/h	16.1	15.2					
-20	Btu/h	1200	1090	975	858			
	Watts (Power)	202	208	214	219			
	Amps	1.68	1.70	1.71	1.73			
	Lb/h	19.2	18.4	17.5	16.5			
-15	Btu/h	1520	1390	1260	1130	1000	862	
	Watts (Power)	216	224	232	240	247	252	
	Amps	1.72	1.74	1.76	1.78	1.80	1.81	
	Lb/h	24.4	23.6	22.8	21.8	20.8	19.6	
-10	Btu/h	1890	1740	1590	1440	1280	1120	956
	Watts (Power)	228	239	250	260	270	278	284
	Amps	1.75	1.78	1.81	1.84	1.87	1.89	1.91
	Lb/h	30.4	29.6	28.7	27.8	26.7	25.6	24.3
-6.7	Btu/h	2160	2000	1830	1660	1480	1300	1120
	Watts (Power)	235	247	260	272	284	295	303
	Amps	1.77	1.80	1.84	1.88	1.92	1.95	1.97
	Lb/h	35.0	34.2	33.3	32.3	31.2	30.0	28.7
-5	Btu/h	2320	2140	1960	1780	1590	1400	1200
	Watts (Power)	238	251	265	278	291	303	313
	Amps	1.78	1.82	1.86	1.90	1.94	1.97	2.00
	Lb/h	37.6	36.7	35.8	34.8	33.6	32.4	31.1
0	Btu/h	2820	2600	2390	2160	1940	1710	1480
	Watts (Power)	245	261	277	294	310	325	339
	Amps	1.81	1.85	1.90	1.95	2.00	2.05	2.10
	Lb/h	46.3	45.3	44.2	43.0	41.8	40.4	39.0
5	Btu/h	3410	3140	2880	2610	2340	2060	1780
	Watts (Power)	248	267	286	306	326	345	363
	Amps	1.82	1.87	1.93	1.99	2.06	2.12	2.18

	Lb/h	56.8	55.6	54.3	53.0	51.5	50.0	48.4
7.2	Btu/h	3690	3410	3120	2830	2530	2230	1930
	Watts (Power)	248	268	289	310	332	352	372
	Amps	1.82	1.88	1.94	2.01	2.08	2.15	2.22
	Lb/h	62.1	60.8	59.4	58.0	56.4	54.8	53.1
10	Btu/h	4090	3770	3450	3130	2800	2470	2130
	Watts (Power)	247	268	291	314	338	361	382
	Amps	1.82	1.88	1.95	2.02	2.10	2.18	2.26
	Lb/h	69.5	68.1	66.5	64.9	63.2	61.4	59.6
15	Btu/h	4880	4500	4110	3730	3330	2940	2540
	Watts (Power)	240	265	291	318	345	372	398
	Amps	1.79	1.87	1.95	2.04	2.13	2.23	2.32
	Lb/h	84.8	83.0	81.1	79.2	77.2	75.1	72.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.094416E+03	1.968618E+02	1.862090E+00	5.092904E+01
C2	1.585362E+02	-1.380107E+00	-1.057028E-03	2.121453E+00
C3	-4.263413E+01	-4.552719E-01	-1.506074E-02	-1.187199E-01
C4	2.672370E+00	-9.985284E-02	-3.353627E-04	4.414549E-02
C5	-1.642979E+00	5.400131E-02	8.849990E-06	-7.245429E-03
C6	2.701543E-02	9.113925E-02	5.661250E-04	-1.024413E-03
C7	1.445846E-02	-1.000850E-03	-5.266884E-06	4.480579E-04
C8	-3.313097E-02	7.146749E-04	3.477579E-06	-2.445512E-04
C9	-7.239938E-04	8.708442E-04	5.140356E-06	8.254403E-06
C10	-7.318099E-04	-7.340517E-04	-4.173448E-06	-5.173985E-06

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

Tecumseh

Performance Data Sheet

AE4430Z-FZ1A

General

Model	AE4430Z-FZ1A	**Unit of Measure**	Fahrenheit
Condition	EN12900 (R-404A)	**Voltage/Frequency**	220V~50HZ
RETURN GAS	20°C (68°F) RETURN GAS	**MotorType**	CSIR

Performance Information

EVAP TEMP (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-10	Btu/h	1090	968					
	Watts	188	194					
	Amps	1.65	1.66					
	Lb/h	16.6	15.7					
-5	Btu/h	1250	1120	996	868			
	Watts	196	203	209	215			
	Amps	1.67	1.68	1.70	1.72			
	Lb/h	19.2	18.3	17.3	16.3			
0	Btu/h	1420	1290	1150	1020			
	Watts	204	211	219	226			
	Amps	1.69	1.70	1.72	1.74			
	Lb/h	21.9	21.1	20.2	19.1			
5	Btu/h	1600	1460	1320	1180	1030	878	
	Watts	211	219	229	237	245	251	
	Amps	1.70	1.72	1.75	1.77	1.80	1.81	
	Lb/h	24.9	24.1	23.2	22.1	21.0	19.7	
10	Btu/h	1810	1660	1500	1350	1190	1020	
	Watts	217	227	238	248	258	266	
	Amps	1.72	1.75	1.77	1.81	1.83	1.86	
	Lb/h	28.1	27.3	26.4	25.4	24.2	23.0	
15	Btu/h	2030	1860	1700	1520	1350	1170	983
	Watts	223	234	247	259	270	280	288
	Amps	1.74	1.77	1.80	1.84	1.87	1.90	1.92
	Lb/h	31.6	30.8	29.9	28.8	27.7	26.4	25.0
20	Btu/h	2280	2090	1910	1720	1520	1320	1120
	Watts	228	241	255	268	282	294	304
	Amps	1.76	1.79	1.82	1.87	1.91	1.94	1.97
	Lb/h	35.6	34.7	33.7	32.6	31.5	30.2	28.7
25	Btu/h	2540	2340	2130	1920	1710	1490	1260
	Watts	232	246	262	277	293	307	319
	Amps	1.77	1.80	1.85	1.90	1.94	1.99	2.02
	Lb/h	40.0	39.0	38.0	36.8	35.6	34.2	32.7
30	Btu/h	2840	2610	2380	2140	1910	1660	1410
	Watts	235	251	268	286	303	319	333
	Amps	1.78	1.82	1.87	1.92	1.98	2.03	2.07

	Lb/h	44.8	43.8	42.7	41.5	40.1	38.7	37.1
35	Btu/h	3160	2900	2650	2380	2120	1850	1570
	Watts	237	254	273	293	312	330	347
	Amps	1.79	1.83	1.89	1.95	2.01	2.07	2.12
	Lb/h	50.3	49.1	47.9	46.6	45.1	43.6	41.9
40	Btu/h	3510	3220	2940	2650	2350	2050	1750
	Watts	237	256	277	299	320	341	360
	Amps	1.79	1.84	1.90	1.97	2.04	2.11	2.17
	Lb/h	56.3	55.1	53.7	52.2	50.7	49.0	47.3
45	Btu/h	3890	3570	3250	2930	2600	2270	1930
	Watts	236	257	280	303	327	350	372
	Amps	1.79	1.84	1.91	1.99	2.06	2.14	2.22
	Lb/h	63.0	61.6	60.1	58.5	56.8	55.0	53.1
50	Btu/h	4300	3950	3590	3240	2870	2510	2130
	Watts	233	256	281	307	333	358	382
	Amps	1.78	1.84	1.92	2.00	2.09	2.17	2.26
	Lb/h	70.5	68.9	67.2	65.5	63.6	61.6	59.6
55	Btu/h	4740	4360	3960	3570	3170	2760	2350
	Watts	229	254	280	308	337	365	392
	Amps	1.77	1.84	1.92	2.01	2.10	2.20	2.29
	Lb/h	78.7	77.0	75.1	73.1	71.1	68.9	66.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.480905E+03	2.446432E+02	2.228978E+00	2.550263E+01
C2	4.736947E+01	5.490077E-01	5.299244E-03	5.297204E-01
C3	-1.444927E+01	-2.541922E+00	-1.941984E-02	-1.692616E-02
C4	7.685949E-01	-1.826528E-02	-3.589069E-05	7.591557E-03
C5	-1.355700E-01	-7.323148E-04	-9.184120E-05	3.568628E-04
C6	2.435688E-02	3.543426E-02	2.152237E-04	-2.762999E-04
C7	2.479159E-03	-1.716135E-04	-9.031008E-07	7.682748E-05
C8	-5.680893E-03	1.225437E-04	5.962927E-07	-4.193265E-05
C9	-1.241416E-04	1.493217E-04	8.814054E-07	1.415364E-06
C10	-1.254818E-04	-1.258662E-04	-7.156118E-07	-8.871718E-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