Performance Data Sheet

AE4430Z-FZ1A

General Information

Model	AE4430Z-FZ1A	**Refrigerant**	R404A
Test Condition	EN12900 ASERCOM	**Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)				
		30	40	50	60	70
-15	Watts (Capacity)	445	371	293	211	124
	Watts (Power)	216	232	247	255	252
	Amps	1.72	1.76	1.80	1.81	1.78
	Lb/h	14.1	13.6	13.1	12.8	12.6
-10	Watts (Capacity)	553	466	375	280	179
	Watts (Power)	228	250	270	284	289
	Amps	1.75	1.81	1.87	1.91	1.90
	Lb/h	17.1	16.7	16.2	15.9	15.8
-6.7	Watts (Capacity)	634	536	434	328	215
	Watts (Power)	235	260	284	303	313
	Amps	1.77	1.84	1.92	1.97	1.98
	Lb/h	19.3	18.8	18.4	18.0	17.9
-5	Watts (Capacity)	679	574	466	353	234
	Watts (Power)	238	265	291	313	325
	Amps	1.78	1.86	1.94	2.00	2.02
	Lb/h	20.5	20.0	19.5	19.2	19.0
0	Watts (Capacity)	826	699	568	432	291
	Watts (Power)	245	277	310	339	360
	Amps	1.81	1.90	2.00	2.10	2.15
	Lb/h	24.4	23.8	23.2	22.7	22.4
5	Watts (Capacity)	998	844	685	522	352
	Watts (Power)	248	286	326	363	392
	Amps	1.82	1.93	2.06	2.18	2.27
	Lb/h	28.9	28.1	27.2	26.5	26.0
7.2	Watts (Capacity)	1080	915	743	565	382
	Watts (Power)	248	289	332	372	405

	Amps	1.82	1.94	2.08	2.22	2.32
	Lb/h	31.1	30.2	29.2	28.3	27.6
10	Watts (Capacity)	1200	1010	821	625	422
	Watts (Power)	247	291	338	382	420
	Amps	1.82	1.95	2.10	2.26	2.38
	Lb/h	34.1	33.0	31.8	30.7	29.9
15	Watts (Capacity)	1430	1210	977	744	504
	Watts (Power)	240	291	345	398	445
	Amps	1.79	1.95	2.13	2.32	2.48
	Lb/h	40.1	38.5	36.9	35.4	34.2

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.19996E+03	1.96862E+02	1.86209E+00	2.46330E+01
C2	4.64625E+01	-1.38011E+00	-1.05709E-03	9.56295E-01
C3	-1.24952E+01	-4.55270E-01	-1.50605E-02	5.78279E-02
C4	7.83196E-01	-9.98531E-02	-3.35364E-04	1.75974E-02
C5	-4.81513E-01	5.40016E-02	8.85264E-06	-3.84344E-03
C6	7.92581E-03	9.11392E-02	5.66121E-04	-2.87320E-03
C7	4.23737E-03	-1.00085E-03	-5.26690E-06	1.15010E-04
C8	-9.70977E-03	7.14678E-04	3.47761E-06	-1.87416E-04
C9	-2.12140E-04	8.70842E-04	5.14033E-06	1.03565E-06
C10	-2.14533E-04	-7.34052E-04	-4.17342E-06	2.26778E-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