

COMPRESSOR DEFINITION

Designation	FMF T411Z
Nominal Voltage/Frequency	230 V 53-167 Hz
Engineering Number	513805014

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-134a		
3 Nominal voltage and frequency	230 / 53-167	[V / Hz]	
4 Application type	Low-Medium Back Pressure (Light Commercial - Curves until T.Evap -		
4.1 Evaporating temperature range	-40°C to 0°C	(-40°F to 32°F)	
5 Motor type	BPM		
6 Starting torque	LST/HST - Low/High starting torque		
7 Expansion device	Capillary tube or Expansion valve		
8 Compressor cooling	Operating voltage range		
		50 Hz	60 Hz
8.1 LBP (32°C Ambient temperature)	-	-	-
8.2 LBP (43°C Ambient temperature)	-	-	-
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing temperature			
9.1 Operating	14.2	[kgf/cm ²] (202 psig)	/ °C - °F
9.2 Peak	15.9	[kgf/cm ²] (226 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1/2	[hp]
2 Displacement	10.85	[cm ³] (0.662 cu.in)
2.1 Bore [mm]	24.000	
2.2 Stroke [mm]	24.000	
3 Lubricant charge	430	[ml] (14.54 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO10	
4 Weight (with oil charge)	10.87	[kg] (23.96 lb.)
5 Nitrogen charge	0.2 to 0.3	[kgf/cm ²] (2.84 to 4.27 psig)

C - ELETRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	230 V 53-167Hz 3 ~ (Three phase)	
2 Starting device type	Inverter	
2.1 Starting device	CF05D01 N XX XX	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	INVERTER CF05D01 N X	
6 Start winding resistance	4.30	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	4.30	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (50/60 Hz)	6.50	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (50/60 Hz)	2.80	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (50/60 Hz)	2.80	[A] - Measured according to UL 984
11 Approval boards certification		

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V1600RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
512	129	150	100	1.35	3.94	5.13	1.29	1.50

TEST CONDITIONS: @115V2400RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
763	192	224	150	1.94	5.87	5.10	1.29	1.49

TEST CONDITIONS: @115V3000RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
932	235	273	188	2.39	7.17	4.97	1.25	1.46

TEST CONDITIONS: @115V3600RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1102	278	323	228	2.88	8.47	4.84	1.22	1.42

TEST CONDITIONS: @115V5000RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1419	358	416	327	4.00	10.91	4.34	1.09	1.27

TEST CONDITIONS: @115V1600RPM			ARIMBP Fan		Evaporating temperature (Condensing temperature)		-6.7°C (19.94°F) 48.9°C (120.02°F)	
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1162	293	340	150	1.96		7.74	1.95	2.27

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V2400RPM			ARIMBP Fan		Evaporating temperature (Condensing temperature)		-6.7°C (19.94°F) 48.9°C (120.02°F)		
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%			
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
1750	441	513	231	2.89		7.57	1.91	2.22	

TEST CONDITIONS: @115V3000RPM			ARIMBP Fan		Evaporating temperature (Condensing temperature)		-6.7°C (19.94°F) 48.9°C (120.02°F)		
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%			
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
2162	545	634	296	3.61		7.32	1.84	2.14	

TEST CONDITIONS: @115V3600RPM			ARIMBP Fan		Evaporating temperature (Condensing temperature)		-6.7°C (19.94°F) 48.9°C (120.02°F)		
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%			
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
2540	640	744	366	4.37		6.95	1.75	2.04	

TEST CONDITIONS: @115V5000RPM			ARIMBP Fan		Evaporating temperature (Condensing temperature)		-6.7°C (19.94°F) 48.9°C (120.02°F)		
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%			
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
3075	775	901	494	5.81		6.23	1.57	1.83	

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1600RPM		ARI4 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature	Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%			
	°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]
-40	(-40)	265	67	78	58	0.87	1.77	4.34	1.09	1.27
-35	(-31)	325	82	95	72	0.98	2.15	4.61	1.16	1.35
-30	(-22)	439	111	129	85	1.13	2.90	5.27	1.33	1.54
-25	(-13)	603	152	177	97	1.28	4.01	6.25	1.58	1.83
-20	(- 4)	814	205	239	109	1.44	5.45	7.47	1.88	2.19
-15	(+ 5)	1069	269	313	121	1.60	7.20	8.85	2.23	2.59
-10	(+14)	1363	343	399	132	1.75	9.25	10.31	2.60	3.02
-5	(+23)	1693	427	496	144	1.88	11.56	11.77	2.97	3.45
0	(+32)	2056	518	603	156	1.98	14.11	13.14	3.31	3.85

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1600RPM		ARI4 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	204	51	60	65	0.92	1.51	3.07	0.77	0.90
-35	(-31)	237	60	69	80	1.05	1.73	3.10	0.78	0.91
-30	(-22)	325	82	95	94	1.20	2.36	3.54	0.89	1.04
-25	(-13)	464	117	136	108	1.38	3.39	4.29	1.08	1.26
-20	(- 4)	650	164	191	122	1.57	4.79	5.28	1.33	1.55
-15	(+ 5)	881	222	258	136	1.76	6.55	6.42	1.62	1.88
-10	(+14)	1152	290	338	150	1.95	8.63	7.65	1.93	2.24
-5	(+23)	1460	368	428	165	2.12	11.02	8.87	2.24	2.60
0	(+32)	1801	454	528	180	2.28	13.71	10.01	2.52	2.93

TEST CONDITIONS: @115V1600RPM		ARI4 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	145	37	42	70	0.98	1.18	2.02	0.51	0.59
-35	(-31)	151	38	44	86	1.11	1.24	1.90	0.48	0.56
-30	(-22)	213	54	62	102	1.28	1.75	2.17	0.55	0.64
-25	(-13)	327	82	96	117	1.48	2.70	2.76	0.70	0.81
-20	(- 4)	489	123	143	133	1.69	4.07	3.59	0.91	1.05
-15	(+ 5)	696	175	204	149	1.91	5.83	4.58	1.15	1.34
-10	(+14)	944	238	277	166	2.13	7.96	5.65	1.42	1.65
-5	(+23)	1229	310	360	184	2.35	10.44	6.71	1.69	1.97
0	(+32)	1548	390	454	202	2.54	13.25	7.69	1.94	2.25

TEST CONDITIONS: @115V2400RPM		ARI4 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	318	80	93	79	1.11	2.09	4.00	1.01	1.17
-35	(-31)	455	115	133	95	1.28	3.04	4.80	1.21	1.41
-30	(-22)	628	158	184	112	1.47	4.20	5.63	1.42	1.65
-25	(-13)	843	212	247	130	1.69	5.63	6.51	1.64	1.91
-20	(- 4)	1105	278	324	148	1.91	7.39	7.47	1.88	2.19
-15	(+ 5)	1421	358	416	167	2.14	9.54	8.53	2.15	2.50
-10	(+14)	1797	453	527	185	2.37	12.15	9.70	2.44	2.84
-5	(+23)	2240	564	656	204	2.58	15.26	11.00	2.77	3.22
0	(+32)	2755	694	807	221	2.77	18.94	12.46	3.14	3.65

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V2400RPM		ARI4 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	259	65	76	80	1.12	1.89	3.28	0.83	0.96
-35	(-31)	381	96	112	97	1.31	2.80	3.91	0.99	1.15
-30	(-22)	533	134	156	117	1.53	3.92	4.56	1.15	1.33
-25	(-13)	721	182	211	138	1.78	5.31	5.22	1.32	1.53
-20	(- 4)	951	240	279	160	2.04	7.02	5.94	1.50	1.74
-15	(+ 5)	1229	310	360	182	2.31	9.13	6.72	1.69	1.97
-10	(+14)	1561	393	457	205	2.58	11.68	7.59	1.91	2.22
-5	(+23)	1954	492	573	228	2.84	14.75	8.56	2.16	2.51
0	(+32)	2414	608	707	250	3.08	18.37	9.66	2.44	2.83

TEST CONDITIONS: @115V2400RPM		ARI4 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	200	50	58	78	1.09	1.64	2.55	0.64	0.75
-35	(-31)	305	77	89	98	1.31	2.50	3.10	0.78	0.91
-30	(-22)	434	109	127	120	1.56	3.56	3.62	0.91	1.06
-25	(-13)	594	150	174	144	1.84	4.89	4.14	1.04	1.21
-20	(- 4)	789	199	231	169	2.14	6.55	4.69	1.18	1.37
-15	(+ 5)	1027	259	301	195	2.45	8.59	5.27	1.33	1.54
-10	(+14)	1314	331	385	222	2.76	11.08	5.91	1.49	1.73
-5	(+23)	1656	417	485	250	3.07	14.07	6.62	1.67	1.94
0	(+32)	2059	519	603	277	3.37	17.63	7.43	1.87	2.18

TEST CONDITIONS: @115V3000RPM		ARI4 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	395	100	116	96	1.34	2.59	4.07	1.03	1.19
-35	(-31)	562	142	165	123	1.57	3.75	4.62	1.16	1.35
-30	(-22)	772	195	226	147	1.82	5.17	5.35	1.35	1.57
-25	(-13)	1035	261	303	168	2.09	6.92	6.23	1.57	1.82
-20	(- 4)	1357	342	398	188	2.38	9.08	7.21	1.82	2.11
-15	(+ 5)	1746	440	512	209	2.68	11.73	8.27	2.08	2.42
-10	(+14)	2211	557	648	234	2.98	14.94	9.35	2.36	2.74
-5	(+23)	2758	695	808	263	3.29	18.78	10.43	2.63	3.06
0	(+32)	3395	856	995	298	3.60	23.34	11.45	2.89	3.36

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3000RPM		ARI4 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	331	83	97	95	1.34	2.41	3.42	0.86	1.00
-35	(-31)	478	121	140	126	1.61	3.51	3.80	0.96	1.11
-30	(-22)	662	167	194	153	1.90	4.87	4.35	1.10	1.28
-25	(-13)	891	224	261	178	2.21	6.56	5.04	1.27	1.48
-20	(- 4)	1172	295	343	202	2.53	8.66	5.82	1.47	1.71
-15	(+ 5)	1513	381	443	227	2.87	11.24	6.66	1.68	1.95
-10	(+14)	1921	484	563	255	3.21	14.37	7.50	1.89	2.20
-5	(+23)	2405	606	705	288	3.56	18.15	8.33	2.10	2.44
0	(+32)	2973	749	871	328	3.90	22.63	9.09	2.29	2.66

TEST CONDITIONS: @115V3000RPM		ARI4 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	239	60	70	94	1.26	1.97	2.57	0.65	0.75
-35	(-31)	375	94	110	125	1.59	3.07	2.96	0.75	0.87
-30	(-22)	540	136	158	153	1.93	4.42	3.51	0.89	1.03
-25	(-13)	742	187	217	178	2.29	6.11	4.18	1.05	1.23
-20	(- 4)	989	249	290	203	2.67	8.20	4.93	1.24	1.44
-15	(+ 5)	1289	325	378	229	3.06	10.77	5.72	1.44	1.67
-10	(+14)	1649	416	483	257	3.45	13.90	6.50	1.64	1.91
-5	(+23)	2078	524	609	291	3.85	17.65	7.25	1.83	2.12
0	(+32)	2582	651	757	330	4.25	22.12	7.92	2.00	2.32

TEST CONDITIONS: @115V3600RPM		ARI4 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	453	114	133	117	1.56	2.97	3.89	0.98	1.14
-35	(-31)	656	165	192	142	1.85	4.38	4.62	1.16	1.35
-30	(-22)	910	229	267	169	2.17	6.09	5.36	1.35	1.57
-25	(-13)	1223	308	358	199	2.52	8.18	6.13	1.54	1.80
-20	(- 4)	1602	404	469	231	2.89	10.72	6.92	1.74	2.03
-15	(+ 5)	2055	518	602	264	3.28	13.80	7.76	1.96	2.27
-10	(+14)	2590	653	759	299	3.68	17.50	8.64	2.18	2.53
-5	(+23)	3215	810	942	335	4.09	21.89	9.58	2.41	2.81
0	(+32)	3937	992	1154	373	4.51	27.07	10.58	2.67	3.10

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3600RPM		ARI4 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	379	95	111	117	1.56	2.76	3.25	0.82	0.95
-35	(-31)	556	140	163	145	1.88	4.09	3.84	0.97	1.12
-30	(-22)	779	196	228	176	2.23	5.73	4.43	1.12	1.30
-25	(-13)	1056	266	309	210	2.62	7.77	5.04	1.27	1.48
-20	(- 4)	1394	351	409	246	3.03	10.29	5.68	1.43	1.66
-15	(+ 5)	1802	454	528	284	3.47	13.37	6.34	1.60	1.86
-10	(+14)	2286	576	670	324	3.92	17.09	7.05	1.78	2.06
-5	(+23)	2855	719	837	366	4.39	21.54	7.80	1.96	2.28
0	(+32)	3517	886	1030	409	4.86	26.78	8.61	2.17	2.52

TEST CONDITIONS: @115V3600RPM		ARI4 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	288	73	84	110	1.49	2.35	2.57	0.65	0.75
-35	(-31)	435	110	128	142	1.85	3.57	3.06	0.77	0.90
-30	(-22)	624	157	183	177	2.25	5.13	3.54	0.89	1.04
-25	(-13)	861	217	252	215	2.69	7.11	4.04	1.02	1.18
-20	(- 4)	1155	291	338	256	3.15	9.58	4.54	1.15	1.33
-15	(+ 5)	1513	381	443	299	3.64	12.64	5.08	1.28	1.49
-10	(+14)	1943	490	569	345	4.16	16.36	5.64	1.42	1.65
-5	(+23)	2453	618	719	392	4.69	20.83	6.25	1.57	1.83
0	(+32)	3050	769	894	442	5.23	26.12	6.90	1.74	2.02

TEST CONDITIONS: @115V5000RPM		ARI4 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	594	150	174	163	2.16	3.98	3.52	0.89	1.03
-35	(-31)	776	196	227	187	2.29	5.11	4.21	1.06	1.23
-30	(-22)	1085	273	318	226	2.86	7.14	4.86	1.22	1.42
-25	(-13)	1506	379	441	276	3.70	9.98	5.48	1.38	1.61
-20	(- 4)	2022	510	592	333	4.65	13.52	6.09	1.54	1.79
-15	(+ 5)	2618	660	767	392	5.53	17.64	6.71	1.69	1.96
-10	(+14)	3279	826	961	450	6.18	22.25	7.34	1.85	2.15
-5	(+23)	3988	1005	1169	501	6.42	27.23	8.00	2.02	2.35
0	(+32)	4731	1192	1386	542	6.10	32.48	8.72	2.20	2.56

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V5000RPM		ARI4 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	450	113	132	143	2.19	3.30	3.13	0.79	0.92
-35	(-31)	618	156	181	174	2.33	4.50	3.67	0.92	1.07
-30	(-22)	899	226	263	219	2.91	6.57	4.18	1.05	1.23
-25	(-13)	1278	322	374	275	3.75	9.40	4.68	1.18	1.37
-20	(- 4)	1740	438	510	336	4.70	12.88	5.18	1.30	1.52
-15	(+ 5)	2268	572	665	398	5.57	16.90	5.69	1.43	1.67
-10	(+14)	2848	718	835	457	6.21	21.36	6.23	1.57	1.83
-5	(+23)	3464	873	1015	508	6.45	26.15	6.82	1.72	2.00
0	(+32)	4099	1033	1201	548	6.11	31.17	7.47	1.88	2.19

TEST CONDITIONS: @115V5000RPM		ARI4 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas flow rate +/- 5%	EFFICIENCY RATE +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	346	87	101	144	2.20	2.82	2.34	0.59	0.68
-35	(-31)	476	120	139	179	2.36	3.91	2.77	0.70	0.81
-30	(-22)	707	178	207	227	2.95	5.83	3.19	0.80	0.93
-25	(-13)	1023	258	300	284	3.80	8.46	3.60	0.91	1.06
-20	(- 4)	1409	355	413	345	4.75	11.70	4.03	1.02	1.18
-15	(+ 5)	1848	466	542	406	5.63	15.43	4.48	1.13	1.31
-10	(+14)	2326	586	682	463	6.27	19.56	4.98	1.25	1.46
-5	(+23)	2826	712	828	511	6.50	23.97	5.53	1.39	1.62
0	(+32)	3333	840	977	545	6.16	28.56	6.15	1.55	1.80

F - EXTERNAL CHARACTERISTICS

1 Base plate	Universal EG/F/AMEM version 2		
2 Tray holder	No		
3 Connectors			
3.1 SUCTION	8.2 +0.12/-0.08	[mm]	(0.323" +0.005"/-0.003")
3.1.1 Material	Copper		
3.1.2 Shape	Straight		
3.2 DISCHARGE	6.5 +0.12/-0.08	[mm]	(0.256" +0.005"/-0.003")
3.2.1 Material	Copper		
3.2.2 Shape	Straight		
3.3 PROCESS	6.5 +0.12/-0.08	[mm]	(0.256" +0.005"/-0.003")
3.3.1 Material	Copper		
3.3.2 Shape	Straight		
3.4 Oil cooler (Copper)	No	[mm]	
3.5 Connector sealing	Rubber Plugs		