

COMPRESSOR DEFINITION

Designation	FMF T408U
Nominal Voltage/Frequency	230 V 60-150 Hz
Engineering Number	513805012

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-290		
3 Nominal voltage and frequency	230 / 60-150	[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	HST - Hight 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)	Fan	103 to 140 V	103 to 140 V
8.2 LBP (43°C Ambient temperature)	Fan	103 to 140 V	103 to 140 V
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing temperature			
9.1 Operating	18.4	[kgf/cm ²] (262 psig)	/ °C - °F
9.2 Peak	20.6	[kgf/cm ²] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1/2	[hp]
2 Displacement	7.95	[cm ³] (0.485 cu.in)
2.1 Bore [mm]	22.500	
2.2 Stroke [mm]	20.000	
3 Lubricant charge	430	[ml] (14.54 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ALQUILB / ISO22	
4 Weight (with oil charge)	10.28	[kg] (22.66 lb.)
5 Nitrogen charge	-	[kgf/cm ²]

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	230 V 60-150 Hz 3 ~ (Three phase)	
2 Starting device type	Inverter	
2.1 Starting device	CF03B01 N XX XX	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	INVERTER CF03B01 N X	
6 Start winding resistance	10.55	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	10.55	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (50/60 Hz)	-	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (50/60 Hz)	-	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (50/60 Hz)	-	[A] - Measured according to UL 984
11 Approval boards certification	CE - UKCA - UL - VDE	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V1800RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°F)	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
851	214	249	141	1.80	2.53	6.04	1.52	1.77

TEST CONDITIONS: @115V2400RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°F)	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1162	293	341	189	2.37	3.46	6.14	1.55	1.80

TEST CONDITIONS: @115V3000RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°F)	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1466	369	429	239	2.95	4.36	6.13	1.54	1.80

TEST CONDITIONS: @115V3600RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°F)	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
1710	431	501	284	3.47	5.09	6.01	1.51	1.76

TEST CONDITIONS: @115V4500RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°F)	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
2165	546	634	371	4.48	6.44	5.83	1.47	1.71

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity (Qe)			Input power (We)	Electric current	Mass flow rate	Efficiency EER & COP			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	378	95	111	70	1.40	1.12	5.37	1.35	1.57	
-35 (-31)	528	133	155	88	1.48	1.56	5.96	1.50	1.75	
-30 (-22)	688	173	202	103	1.52	2.04	6.72	1.69	1.97	
-25 (-13)	867	219	254	114	1.53	2.58	7.64	1.93	2.24	
-20 (- 4)	1073	270	314	123	1.53	3.20	8.77	2.21	2.57	
-15 (+ 5)	1312	331	384	130	1.53	3.93	10.13	2.55	2.97	
-10 (+14)	1592	401	467	136	1.55	4.79	11.73	2.96	3.44	
-5 (+23)	1921	484	563	141	1.60	5.81	13.61	3.43	3.99	
0 (+32)	2307	581	676	146	1.71	7.01	15.79	3.98	4.63	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity (Qe)			Input power (We)	Electric current	Mass flow rate	Efficiency EER & COP			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	344	87	101	74	1.54	1.02	4.66	1.17	1.37	
-35 (-31)	497	125	146	95	1.62	1.47	5.21	1.31	1.53	
-30 (-22)	658	166	193	113	1.66	1.95	5.83	1.47	1.71	
-25 (-13)	837	211	245	127	1.68	2.49	6.56	1.65	1.92	
-20 (- 4)	1039	262	304	139	1.69	3.10	7.41	1.87	2.17	
-15 (+ 5)	1273	321	373	150	1.70	3.81	8.42	2.12	2.47	
-10 (+14)	1546	390	453	160	1.74	4.65	9.59	2.42	2.81	
-5 (+23)	1867	470	547	170	1.81	5.65	10.97	2.76	3.21	
0 (+32)	2241	565	657	180	1.93	6.81	12.57	3.17	3.68	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity (Qe)			Input power (We)	Electric current	Mass flow rate	Efficiency EER & COP			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	281	71	82	74	1.59	0.83	3.86	0.97	1.13	
-35 (-31)	438	110	128	98	1.69	1.30	4.49	1.13	1.32	
-30 (-22)	601	152	176	118	1.75	1.78	5.12	1.29	1.50	
-25 (-13)	780	197	229	136	1.79	2.32	5.77	1.45	1.69	
-20 (- 4)	980	247	287	151	1.83	2.92	6.48	1.63	1.90	
-15 (+ 5)	1211	305	355	166	1.87	3.63	7.26	1.83	2.13	
-10 (+14)	1478	372	433	180	1.94	4.45	8.14	2.05	2.39	
-5 (+23)	1790	451	525	194	2.04	5.41	9.15	2.31	2.68	
0 (+32)	2154	543	631	209	2.20	6.55	10.30	2.60	3.02	

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1800RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	188	47	55	70	1.55	0.56	2.70	0.68	0.79
-35	(-31)	350	88	103	96	1.69	1.04	3.54	0.89	1.04
-30	(-22)	517	130	152	119	1.79	1.53	4.30	1.08	1.26
-25	(-13)	697	176	204	140	1.87	2.07	5.01	1.26	1.47
-20	(- 4)	897	226	263	159	1.95	2.67	5.71	1.44	1.67
-15	(+ 5)	1124	283	329	178	2.04	3.37	6.40	1.61	1.87
-10	(+14)	1387	349	406	196	2.16	4.17	7.11	1.79	2.08
-5	(+23)	1692	426	496	215	2.32	5.12	7.87	1.98	2.31
0	(+32)	2047	516	600	235	2.53	6.22	8.71	2.19	2.55

TEST CONDITIONS: @115V3000RPM		ASHRAE32 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	567	143	166	120	1.68	1.67	4.75	1.20	1.39
-35	(-31)	845	213	248	150	2.06	2.50	5.57	1.40	1.63
-30	(-22)	1133	286	332	176	2.28	3.36	6.40	1.61	1.87
-25	(-13)	1443	364	423	199	2.38	4.29	7.28	1.83	2.13
-20	(- 4)	1788	451	524	218	2.43	5.34	8.26	2.08	2.42
-15	(+ 5)	2181	550	639	234	2.45	6.53	9.40	2.37	2.75
-10	(+14)	2634	664	772	247	2.51	7.93	10.73	2.70	3.15
-5	(+23)	3160	796	926	257	2.65	9.56	12.31	3.10	3.61
0	(+32)	3772	951	1105	264	2.91	11.47	14.18	3.57	4.15

TEST CONDITIONS: @115V3000RPM		ASHRAE32 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	578	146	169	133	1.95	1.71	4.39	1.11	1.29
-35	(-31)	842	212	247	163	2.34	2.49	5.12	1.29	1.50
-30	(-22)	1117	281	327	191	2.58	3.31	5.81	1.46	1.70
-25	(-13)	1415	357	415	217	2.72	4.21	6.50	1.64	1.90
-20	(- 4)	1749	441	513	241	2.79	5.22	7.25	1.83	2.12
-15	(+ 5)	2133	537	625	262	2.85	6.39	8.09	2.04	2.37
-10	(+14)	2578	650	755	283	2.95	7.76	9.09	2.29	2.66
-5	(+23)	3099	781	908	301	3.14	9.37	10.28	2.59	3.01
0	(+32)	3706	934	1086	318	3.45	11.27	11.72	2.95	3.43

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3000RPM		ASHRAE32 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-40	(-40)	549	138	161	140	2.07	1.62	3.96	1.00	1.16
-35	(-31)	801	202	235	171	2.48	2.37	4.68	1.18	1.37
-30	(-22)	1065	268	312	201	2.75	3.16	5.31	1.34	1.55
-25	(-13)	1354	341	397	230	2.92	4.02	5.89	1.49	1.73
-20	(- 4)	1680	423	492	259	3.03	5.01	6.49	1.64	1.90
-15	(+ 5)	2057	518	603	287	3.13	6.16	7.14	1.80	2.09
-10	(+14)	2498	629	732	314	3.28	7.52	7.88	1.99	2.31
-5	(+23)	3015	760	883	341	3.52	9.12	8.78	2.21	2.57
0	(+32)	3620	912	1061	369	3.89	11.00	9.86	2.49	2.89

TEST CONDITIONS: @115V3000RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-40	(-40)	480	121	141	144	2.04	1.42	3.29	0.83	0.97
-35	(-31)	722	182	212	176	2.48	2.14	4.09	1.03	1.20
-30	(-22)	978	246	286	208	2.78	2.90	4.75	1.20	1.39
-25	(-13)	1260	317	369	240	2.99	3.74	5.32	1.34	1.56
-20	(- 4)	1581	398	463	273	3.14	4.71	5.84	1.47	1.71
-15	(+ 5)	1954	492	573	307	3.30	5.85	6.38	1.61	1.87
-10	(+14)	2392	603	701	342	3.50	7.20	6.96	1.75	2.04
-5	(+23)	2908	733	852	379	3.80	8.79	7.64	1.92	2.24
0	(+32)	3514	886	1030	416	4.24	10.68	8.46	2.13	2.48

TEST CONDITIONS: @115V3600RPM		ASHRAE32 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-40	(-40)	818	206	240	173	1.95	2.42	4.71	1.19	1.38
-35	(-31)	1043	263	306	194	2.30	3.09	5.38	1.36	1.58
-30	(-22)	1337	337	392	217	2.61	3.96	6.16	1.55	1.80
-25	(-13)	1698	428	498	242	2.89	5.05	7.03	1.77	2.06
-20	(- 4)	2128	536	624	266	3.15	6.35	8.00	2.02	2.34
-15	(+ 5)	2627	662	770	291	3.38	7.87	9.07	2.28	2.66
-10	(+14)	3196	805	936	313	3.60	9.62	10.23	2.58	3.00
-5	(+23)	3835	966	1124	334	3.82	11.60	11.49	2.90	3.37
0	(+32)	4545	1145	1332	352	4.02	13.82	12.86	3.24	3.77

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3600RPM		ASHRAE32 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	787	198	231	177	2.09	2.32	4.45	1.12	1.30
-35	(-31)	1009	254	296	202	2.48	2.99	5.01	1.26	1.47
-30	(-22)	1296	327	380	229	2.84	3.84	5.64	1.42	1.65
-25	(-13)	1647	415	483	258	3.17	4.90	6.34	1.60	1.86
-20	(- 4)	2063	520	605	289	3.48	6.16	7.10	1.79	2.08
-15	(+ 5)	2546	642	746	320	3.77	7.63	7.94	2.00	2.33
-10	(+14)	3094	780	907	350	4.05	9.31	8.84	2.23	2.59
-5	(+23)	3710	935	1087	379	4.33	11.22	9.82	2.47	2.88
0	(+32)	4393	1107	1287	406	4.61	13.35	10.86	2.74	3.18

TEST CONDITIONS: @115V3600RPM		ASHRAE32 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	742	187	217	182	2.14	2.19	4.09	1.03	1.20
-35	(-31)	958	241	281	209	2.57	2.84	4.60	1.16	1.35
-30	(-22)	1235	311	362	240	2.97	3.66	5.15	1.30	1.51
-25	(-13)	1574	397	461	274	3.35	4.68	5.74	1.45	1.68
-20	(- 4)	1975	498	579	309	3.71	5.89	6.36	1.60	1.87
-15	(+ 5)	2438	614	715	345	4.06	7.30	7.03	1.77	2.06
-10	(+14)	2965	747	869	382	4.40	8.92	7.74	1.95	2.27
-5	(+23)	3555	896	1042	419	4.74	10.75	8.49	2.14	2.49
0	(+32)	4209	1061	1233	454	5.08	12.79	9.27	2.34	2.72

TEST CONDITIONS: @115V3600RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	682	172	200	189	2.10	2.01	3.57	0.90	1.05
-35	(-31)	890	224	261	218	2.57	2.63	4.09	1.03	1.20
-30	(-22)	1156	291	339	251	3.01	3.43	4.62	1.16	1.35
-25	(-13)	1480	373	434	288	3.44	4.40	5.15	1.30	1.51
-20	(- 4)	1864	470	546	327	3.84	5.56	5.70	1.44	1.67
-15	(+ 5)	2306	581	676	369	4.24	6.90	6.27	1.58	1.84
-10	(+14)	2808	708	823	412	4.63	8.45	6.84	1.72	2.00
-5	(+23)	3370	849	987	454	5.03	10.19	7.42	1.87	2.18
0	(+32)	3993	1006	1170	497	5.43	12.14	8.02	2.02	2.35

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Fan			(Condensing temperature 35°C (+95°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	1068	269	313	236	2.44	3.15	4.51	1.14	1.32
-35	(-31)	1406	354	412	268	3.10	4.16	5.28	1.33	1.55
-30	(-22)	1766	445	518	294	3.56	5.24	6.07	1.53	1.78
-25	(-13)	2163	545	634	316	3.87	6.43	6.89	1.74	2.02
-20	(- 4)	2612	658	765	336	4.08	7.79	7.76	1.95	2.27
-15	(+ 5)	3128	788	916	356	4.24	9.37	8.69	2.19	2.55
-10	(+14)	3726	939	1092	378	4.41	11.22	9.71	2.45	2.85
-5	(+23)	4421	1114	1295	405	4.64	13.37	10.84	2.73	3.18
0	(+32)	5228	1317	1532	437	4.99	15.89	12.07	3.04	3.54

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Fan			(Condensing temperature 45°C (+113°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	988	249	290	234	2.59	2.92	4.19	1.06	1.23
-35	(-31)	1351	340	396	276	3.29	4.00	4.89	1.23	1.43
-30	(-22)	1719	433	504	311	3.78	5.10	5.57	1.40	1.63
-25	(-13)	2106	531	617	339	4.13	6.26	6.27	1.58	1.84
-20	(- 4)	2529	637	741	365	4.38	7.55	6.98	1.76	2.05
-15	(+ 5)	3003	757	880	388	4.59	8.99	7.73	1.95	2.27
-10	(+14)	3541	892	1038	413	4.80	10.66	8.54	2.15	2.50
-5	(+23)	4161	1048	1219	439	5.09	12.58	9.42	2.37	2.76
0	(+32)	4875	1229	1429	470	5.48	14.82	10.39	2.62	3.04

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Fan			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	840	212	246	231	2.83	2.48	3.65	0.92	1.07
-35	(-31)	1240	313	363	283	3.54	3.67	4.34	1.09	1.27
-30	(-22)	1629	411	477	326	4.04	4.83	5.00	1.26	1.46
-25	(-13)	2022	509	592	362	4.40	6.01	5.63	1.42	1.65
-20	(- 4)	2433	613	713	392	4.66	7.26	6.26	1.58	1.83
-15	(+ 5)	2877	725	843	420	4.88	8.62	6.90	1.74	2.02
-10	(+14)	3370	849	988	446	5.12	10.14	7.56	1.91	2.22
-5	(+23)	3927	990	1151	473	5.42	11.87	8.27	2.08	2.42
0	(+32)	4563	1150	1337	503	5.84	13.87	9.05	2.28	2.65

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-40	(-40)	623	157	182	225	3.17	1.84	2.86	0.72	0.84
-35	(-31)	1075	271	315	288	3.85	3.18	3.62	0.91	1.06
-30	(-22)	1499	378	439	339	4.34	4.45	4.32	1.09	1.27
-25	(-13)	1910	481	560	382	4.67	5.68	4.96	1.25	1.45
-20	(- 4)	2322	585	680	418	4.92	6.93	5.57	1.40	1.63
-15	(+ 5)	2751	693	806	450	5.12	8.24	6.16	1.55	1.81
-10	(+14)	3213	810	941	478	5.34	9.66	6.76	1.70	1.98
-5	(+23)	3721	938	1090	506	5.63	11.25	7.37	1.86	2.16
0	(+32)	4291	1081	1257	535	6.04	13.04	8.01	2.02	2.35

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		