

### COMPRESSOR DEFINITION

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

### 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 <sup>2</sup> ] (262 psig)	/ °C - °F
9.2 Peak	20.6	[kgf/cm <sup>2</sup> ] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[ °C ]	

### B - MECHANICAL DATA

1 Commercial designation	1/2	[hp]
2 Displacement	7.95	[cm <sup>3</sup> ] (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	ESTER / ISO22	
4 Weight (with oil charge)	10.28	[kg] (22.66 lb.)
5 Nitrogen charge	-	[kgf/cm <sup>2</sup> ]

### C - ELETRICAL 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	CF05D01 X 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	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 - TUV - UKCA - UL - VDE	

### D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: <b>@115V1800RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
877	221	257	138	1.87	2.61	6.35	1.60	1.86

TEST CONDITIONS: <b>@115V2400RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1181	298	346	185	2.44	3.52	6.39	1.61	1.87

TEST CONDITIONS: <b>@115V3000RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1505	379	441	238	3.07	4.48	6.34	1.60	1.86

TEST CONDITIONS: <b>@115V3600RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1764	445	517	284	3.60	5.25	6.22	1.57	1.82

TEST CONDITIONS: <b>@115V4500RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
2235	563	655	372	4.63	6.65	6.01	1.51	1.76

### E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity			Power consumption	Current consumption	Gas flow rate	EFFICIENCY RATE			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	390	98	114	69	1.45	1.15	5.63	1.42	1.65	
-35 (-31)	543	137	159	87	1.53	1.61	6.26	1.58	1.83	
-30 (-22)	708	179	208	101	1.57	2.10	7.04	1.77	2.06	
-25 (-13)	893	225	262	112	1.58	2.66	8.02	2.02	2.35	
-20 (- 4)	1105	278	324	121	1.58	3.30	9.21	2.32	2.70	
-15 (+ 5)	1351	340	396	128	1.58	4.05	10.63	2.68	3.11	
-10 (+14)	1640	413	481	133	1.60	4.94	12.32	3.10	3.61	
-5 (+23)	1979	499	580	138	1.66	5.99	14.29	3.60	4.19	
0 (+32)	2376	599	696	143	1.77	7.22	16.57	4.18	4.86	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity			Power consumption	Current consumption	Gas flow rate	EFFICIENCY RATE			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	355	89	104	73	1.59	1.05	4.90	1.23	1.43	
-35 (-31)	512	129	150	93	1.68	1.51	5.46	1.38	1.60	
-30 (-22)	678	171	199	110	1.72	2.01	6.12	1.54	1.79	
-25 (-13)	862	217	252	125	1.74	2.56	6.88	1.73	2.02	
-20 (- 4)	1070	270	314	137	1.75	3.19	7.78	1.96	2.28	
-15 (+ 5)	1311	330	384	147	1.76	3.93	8.83	2.23	2.59	
-10 (+14)	1593	401	467	157	1.80	4.79	10.07	2.54	2.95	
-5 (+23)	1923	484	563	167	1.87	5.81	11.51	2.90	3.37	
0 (+32)	2308	582	676	177	2.00	7.02	13.19	3.32	3.86	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V1800RPM		Fan								
Evaporating temperature	Cooling capacity			Power consumption	Current consumption	Gas flow rate	EFFICIENCY RATE			
	+/- 5%						+/- 7%			
°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]	
-40 (-40)	290	73	85	73	1.65	0.86	4.06	1.02	1.19	
-35 (-31)	451	114	132	96	1.75	1.33	4.71	1.19	1.38	
-30 (-22)	619	156	182	116	1.82	1.84	5.37	1.35	1.57	
-25 (-13)	803	202	235	133	1.86	2.39	6.06	1.53	1.78	
-20 (- 4)	1010	254	296	149	1.90	3.01	6.80	1.71	1.99	
-15 (+ 5)	1247	314	365	163	1.94	3.73	7.62	1.92	2.23	
-10 (+14)	1523	384	446	177	2.01	4.58	8.55	2.15	2.50	
-5 (+23)	1844	465	540	191	2.12	5.58	9.60	2.42	2.81	
0 (+32)	2219	559	650	206	2.28	6.74	10.81	2.72	3.17	

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1800RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°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)	194	49	57	69	1.60	0.57	2.84	0.72	0.83
-35	(-31)	361	91	106	94	1.75	1.07	3.71	0.94	1.09
-30	(-22)	533	134	156	117	1.85	1.58	4.51	1.14	1.32
-25	(-13)	718	181	210	137	1.94	2.13	5.26	1.33	1.54
-20	(- 4)	924	233	271	156	2.03	2.75	5.99	1.51	1.75
-15	(+ 5)	1158	292	339	174	2.12	3.47	6.71	1.69	1.97
-10	(+14)	1429	360	419	192	2.24	4.30	7.47	1.88	2.19
-5	(+23)	1743	439	511	211	2.40	5.27	8.26	2.08	2.42
0	(+32)	2109	531	618	230	2.62	6.41	9.14	2.30	2.68

TEST CONDITIONS: @115V3000RPM		ASHRAE32 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)	580	146	170	119	1.72	1.71	4.90	1.24	1.44
-35	(-31)	867	218	254	149	2.12	2.57	5.75	1.45	1.69
-30	(-22)	1162	293	341	175	2.34	3.45	6.61	1.67	1.94
-25	(-13)	1481	373	434	197	2.45	4.40	7.52	1.90	2.20
-20	(- 4)	1834	462	538	216	2.50	5.47	8.54	2.15	2.50
-15	(+ 5)	2237	564	656	232	2.52	6.70	9.71	2.45	2.85
-10	(+14)	2702	681	792	245	2.58	8.13	11.09	2.79	3.25
-5	(+23)	3242	817	950	255	2.72	9.81	12.72	3.21	3.73
0	(+32)	3870	975	1134	262	2.99	11.77	14.65	3.69	4.29

TEST CONDITIONS: @115V3000RPM		ASHRAE32 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)	593	149	174	132	2.00	1.75	4.54	1.14	1.33
-35	(-31)	864	218	253	162	2.41	2.56	5.29	1.33	1.55
-30	(-22)	1146	289	336	190	2.66	3.40	6.00	1.51	1.76
-25	(-13)	1452	366	425	215	2.79	4.32	6.72	1.69	1.97
-20	(- 4)	1795	452	526	239	2.87	5.35	7.49	1.89	2.19
-15	(+ 5)	2188	551	641	261	2.93	6.55	8.36	2.11	2.45
-10	(+14)	2645	667	775	281	3.03	7.96	9.39	2.37	2.75
-5	(+23)	3179	801	932	299	3.22	9.61	10.63	2.68	3.11
0	(+32)	3803	958	1114	316	3.54	11.56	12.11	3.05	3.55

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3000RPM		ASHRAE32 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)	563	142	165	139	2.12	1.66	4.09	1.03	1.20	
-35 (-31)	822	207	241	170	2.55	2.43	4.83	1.22	1.42	
-30 (-22)	1093	275	320	200	2.83	3.24	5.48	1.38	1.61	
-25 (-13)	1389	350	407	229	3.00	4.13	6.09	1.54	1.79	
-20 (- 4)	1724	434	505	257	3.11	5.14	6.71	1.69	1.96	
-15 (+ 5)	2111	532	619	285	3.22	6.32	7.37	1.86	2.16	
-10 (+14)	2563	646	751	312	3.37	7.71	8.14	2.05	2.39	
-5 (+23)	3093	779	906	339	3.61	9.35	9.07	2.28	2.66	
0 (+32)	3714	936	1088	366	4.00	11.29	10.19	2.57	2.99	

TEST CONDITIONS: @115V3000RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°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)	492	124	144	143	2.10	1.45	3.40	0.86	1.00	
-35 (-31)	741	187	217	174	2.55	2.19	4.23	1.07	1.24	
-30 (-22)	1003	253	294	206	2.86	2.97	4.91	1.24	1.44	
-25 (-13)	1292	326	379	238	3.07	3.84	5.50	1.38	1.61	
-20 (- 4)	1622	409	475	271	3.23	4.84	6.04	1.52	1.77	
-15 (+ 5)	2005	505	587	305	3.39	6.00	6.59	1.66	1.93	
-10 (+14)	2454	618	719	340	3.60	7.38	7.19	1.81	2.11	
-5 (+23)	2983	752	874	376	3.90	9.02	7.89	1.99	2.31	
0 (+32)	3605	908	1056	413	4.36	10.95	8.74	2.20	2.56	

TEST CONDITIONS: @115V3600RPM		ASHRAE32 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)	844	213	247	173	2.03	2.49	4.86	1.23	1.43	
-35 (-31)	1077	271	315	194	2.39	3.19	5.57	1.40	1.63	
-30 (-22)	1379	348	404	217	2.71	4.09	6.37	1.61	1.87	
-25 (-13)	1752	441	513	241	3.00	5.21	7.27	1.83	2.13	
-20 (- 4)	2196	553	643	266	3.27	6.55	8.28	2.09	2.42	
-15 (+ 5)	2711	683	794	290	3.51	8.12	9.38	2.36	2.75	
-10 (+14)	3298	831	966	313	3.74	9.93	10.58	2.67	3.10	
-5 (+23)	3957	997	1160	333	3.97	11.97	11.89	3.00	3.48	
0 (+32)	4690	1182	1374	351	4.18	14.26	13.30	3.35	3.90	

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V3600RPM		ASHRAE32 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)	812	205	238	177	2.17	2.40	4.60	1.16	1.35
-35	(-31)	1042	262	305	201	2.57	3.08	5.18	1.31	1.52
-30	(-22)	1337	337	392	229	2.95	3.96	5.83	1.47	1.71
-25	(-13)	1699	428	498	258	3.29	5.05	6.56	1.65	1.92
-20	(- 4)	2129	537	624	288	3.61	6.35	7.35	1.85	2.15
-15	(+ 5)	2627	662	770	319	3.92	7.87	8.21	2.07	2.41
-10	(+14)	3193	805	936	349	4.21	9.61	9.15	2.31	2.68
-5	(+23)	3828	965	1122	378	4.50	11.58	10.15	2.56	2.98
0	(+32)	4533	1142	1328	405	4.79	13.78	11.23	2.83	3.29

TEST CONDITIONS: @115V3600RPM		ASHRAE32 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)	765	193	224	182	2.22	2.26	4.23	1.07	1.24
-35	(-31)	989	249	290	209	2.67	2.93	4.76	1.20	1.40
-30	(-22)	1275	321	374	239	3.09	3.78	5.33	1.34	1.56
-25	(-13)	1625	409	476	273	3.48	4.83	5.94	1.50	1.74
-20	(- 4)	2038	514	597	308	3.86	6.08	6.58	1.66	1.93
-15	(+ 5)	2516	634	737	345	4.22	7.54	7.27	1.83	2.13
-10	(+14)	3059	771	896	381	4.57	9.20	8.00	2.02	2.35
-5	(+23)	3668	924	1075	418	4.92	11.09	8.78	2.21	2.57
0	(+32)	4343	1094	1273	453	5.27	13.20	9.59	2.42	2.81

TEST CONDITIONS: @115V3600RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°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)	703	177	206	189	2.18	2.07	3.69	0.93	1.08
-35	(-31)	918	231	269	218	2.67	2.72	4.23	1.06	1.24
-30	(-22)	1193	301	350	251	3.13	3.54	4.77	1.20	1.40
-25	(-13)	1528	385	448	287	3.57	4.54	5.33	1.34	1.56
-20	(- 4)	1923	485	564	327	3.99	5.74	5.90	1.49	1.73
-15	(+ 5)	2379	600	697	368	4.41	7.12	6.48	1.63	1.90
-10	(+14)	2897	730	849	411	4.82	8.71	7.07	1.78	2.07
-5	(+23)	3477	876	1019	453	5.22	10.51	7.68	1.93	2.25
0	(+32)	4120	1038	1207	496	5.64	12.52	8.29	2.09	2.43

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4500RPM		ASHRAE32 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)	1100	277	322	237	2.52	3.25	4.63	1.17	1.36
-35	(-31)	1448	365	424	269	3.20	4.29	5.42	1.37	1.59
-30	(-22)	1820	459	533	295	3.67	5.39	6.23	1.57	1.83
-25	(-13)	2229	562	653	317	3.99	6.63	7.08	1.78	2.07
-20	(- 4)	2691	678	789	337	4.20	8.03	7.97	2.01	2.34
-15	(+ 5)	3222	812	944	357	4.37	9.66	8.94	2.25	2.62
-10	(+14)	3838	967	1125	379	4.55	11.56	9.99	2.52	2.93
-5	(+23)	4555	1148	1335	406	4.79	13.78	11.14	2.81	3.26
0	(+32)	5386	1357	1578	438	5.15	16.37	12.41	3.13	3.64

TEST CONDITIONS: @115V4500RPM		ASHRAE32 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)	1018	257	298	235	2.67	3.01	4.30	1.08	1.26
-35	(-31)	1392	351	408	277	3.39	4.12	5.02	1.27	1.47
-30	(-22)	1771	446	519	311	3.90	5.25	5.73	1.44	1.68
-25	(-13)	2170	547	636	340	4.26	6.45	6.44	1.62	1.89
-20	(- 4)	2606	657	764	366	4.52	7.77	7.17	1.81	2.10
-15	(+ 5)	3094	780	907	389	4.74	9.27	7.95	2.00	2.33
-10	(+14)	3649	919	1069	414	4.96	10.98	8.78	2.21	2.57
-5	(+23)	4287	1080	1256	440	5.25	12.96	9.68	2.44	2.84
0	(+32)	5023	1266	1472	472	5.66	15.27	10.68	2.69	3.13

TEST CONDITIONS: @115V4500RPM		ASHRAE32 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)	865	218	254	231	2.92	2.55	3.75	0.95	1.10
-35	(-31)	1278	322	374	283	3.65	3.78	4.47	1.13	1.31
-30	(-22)	1679	423	492	326	4.17	4.98	5.14	1.30	1.51
-25	(-13)	2083	525	610	362	4.54	6.19	5.79	1.46	1.70
-20	(- 4)	2506	632	734	393	4.81	7.48	6.43	1.62	1.89
-15	(+ 5)	2964	747	869	421	5.04	8.88	7.09	1.79	2.08
-10	(+14)	3472	875	1017	447	5.28	10.45	7.77	1.96	2.28
-5	(+23)	4046	1020	1186	474	5.59	12.23	8.50	2.14	2.49
0	(+32)	4701	1185	1377	504	6.02	14.29	9.30	2.34	2.72

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Fan			(Condensing temperature 65°C (+149°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)	642	162	188	226	3.28	1.89	2.94	0.74	0.86
-35	(-31)	1108	279	325	289	3.98	3.28	3.73	0.94	1.09
-30	(-22)	1544	389	453	340	4.48	4.58	4.44	1.12	1.30
-25	(-13)	1967	496	577	383	4.82	5.85	5.10	1.29	1.49
-20	(- 4)	2392	603	701	419	5.08	7.14	5.73	1.44	1.68
-15	(+ 5)	2834	714	831	451	5.29	8.49	6.34	1.60	1.86
-10	(+14)	3310	834	970	479	5.52	9.95	6.95	1.75	2.04
-5	(+23)	3833	966	1123	507	5.81	11.59	7.57	1.91	2.22
0	(+32)	4421	1114	1295	536	6.23	13.44	8.23	2.07	2.41

### 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		