

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: @220V1800RPM			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	0.90	2.53	6.03	1.52	1.77

TEST CONDITIONS: @220V2400RPM			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]
1161	293	340	189	1.18	3.46	6.13	1.54	1.80

TEST CONDITIONS: @220V3000RPM			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]
1464	369	429	240	1.48	4.36	6.10	1.54	1.79

TEST CONDITIONS: @220V3600RPM			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]
1709	431	501	288	1.75	5.09	5.93	1.49	1.74

TEST CONDITIONS: @220V4500RPM			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]
1947	491	571	332	2.00	5.80	5.87	1.48	1.72

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1800RPM		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)	378	95	111	70	0.70	1.12	5.36	1.35	1.57
-35	(-31)	527	133	155	89	0.74	1.56	5.95	1.50	1.74
-30	(-22)	688	173	202	103	0.75	2.04	6.70	1.69	1.96
-25	(-13)	867	218	254	115	0.76	2.58	7.63	1.92	2.23
-20	(- 4)	1072	270	314	123	0.76	3.20	8.75	2.21	2.57
-15	(+ 5)	1311	330	384	130	0.76	3.93	10.11	2.55	2.96
-10	(+14)	1591	401	466	136	0.77	4.79	11.71	2.95	3.43
-5	(+23)	1920	484	563	141	0.80	5.81	13.58	3.42	3.98
0	(+32)	2306	581	676	146	0.85	7.01	15.75	3.97	4.62

TEST CONDITIONS: @220V1800RPM		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]	[Btu/Wh]	[kcal/Wh]
-40	(-40)	344	87	101	74	0.77	1.02	4.65	1.17	1.36
-35	(-31)	497	125	146	95	0.81	1.47	5.20	1.31	1.52
-30	(-22)	658	166	193	113	0.83	1.95	5.82	1.47	1.70
-25	(-13)	836	211	245	127	0.84	2.49	6.54	1.65	1.92
-20	(- 4)	1039	262	304	140	0.85	3.10	7.40	1.86	2.17
-15	(+ 5)	1273	321	373	150	0.85	3.81	8.40	2.12	2.46
-10	(+14)	1546	390	453	160	0.87	4.65	9.57	2.41	2.80
-5	(+23)	1866	470	547	170	0.91	5.64	10.95	2.76	3.21
0	(+32)	2240	564	656	180	0.97	6.81	12.54	3.16	3.67

TEST CONDITIONS: @220V1800RPM		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)	281	71	82	74	0.79	0.83	3.86	0.97	1.13
-35	(-31)	438	110	128	98	0.84	1.30	4.48	1.13	1.31
-30	(-22)	601	152	176	118	0.87	1.78	5.10	1.29	1.50
-25	(-13)	780	196	228	136	0.89	2.32	5.76	1.45	1.69
-20	(- 4)	980	247	287	152	0.91	2.92	6.46	1.63	1.89
-15	(+ 5)	1210	305	355	166	0.94	3.62	7.25	1.83	2.12
-10	(+14)	1477	372	433	180	0.97	4.45	8.13	2.05	2.38
-5	(+23)	1789	451	524	195	1.02	5.41	9.13	2.30	2.67
0	(+32)	2154	543	631	210	1.10	6.55	10.28	2.59	3.01

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1800RPM		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	0.77	0.56	2.70	0.68	0.79
-35	(-31)	350	88	103	96	0.84	1.04	3.53	0.89	1.03
-30	(-22)	517	130	152	119	0.89	1.53	4.29	1.08	1.26
-25	(-13)	697	176	204	140	0.94	2.07	5.00	1.26	1.47
-20	(- 4)	896	226	263	160	0.98	2.67	5.69	1.43	1.67
-15	(+ 5)	1124	283	329	178	1.02	3.36	6.38	1.61	1.87
-10	(+14)	1386	349	406	196	1.08	4.17	7.09	1.79	2.08
-5	(+23)	1691	426	496	215	1.16	5.11	7.85	1.98	2.30
0	(+32)	2047	516	600	235	1.26	6.22	8.69	2.19	2.55

TEST CONDITIONS: @220V3000RPM		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)	565	142	166	120	0.84	1.67	4.72	1.19	1.38
-35	(-31)	844	213	247	150	1.03	2.50	5.54	1.40	1.62
-30	(-22)	1131	285	332	177	1.14	3.36	6.36	1.60	1.86
-25	(-13)	1441	363	422	199	1.19	4.28	7.24	1.82	2.12
-20	(- 4)	1785	450	523	219	1.21	5.33	8.22	2.07	2.41
-15	(+ 5)	2177	549	638	235	1.23	6.52	9.35	2.36	2.74
-10	(+14)	2629	663	770	248	1.26	7.91	10.68	2.69	3.13
-5	(+23)	3155	795	924	258	1.33	9.54	12.25	3.09	3.59
0	(+32)	3766	949	1104	265	1.46	11.45	14.11	3.55	4.13

TEST CONDITIONS: @220V3000RPM		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)	577	145	169	133	0.98	1.70	4.37	1.10	1.28
-35	(-31)	840	212	246	164	1.18	2.49	5.09	1.28	1.49
-30	(-22)	1115	281	327	192	1.30	3.31	5.78	1.46	1.69
-25	(-13)	1413	356	414	218	1.36	4.20	6.47	1.63	1.89
-20	(- 4)	1746	440	512	241	1.40	5.21	7.21	1.82	2.11
-15	(+ 5)	2129	537	624	263	1.43	6.38	8.05	2.03	2.36
-10	(+14)	2574	649	754	284	1.48	7.75	9.04	2.28	2.65
-5	(+23)	3093	779	906	302	1.57	9.36	10.23	2.58	3.00
0	(+32)	3700	932	1084	319	1.73	11.25	11.66	2.94	3.42

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3000RPM		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)	548	138	161	141	1.04	1.62	3.94	0.99	1.15
-35	(-31)	800	201	234	172	1.24	2.37	4.65	1.17	1.36
-30	(-22)	1063	268	312	202	1.38	3.15	5.28	1.33	1.55
-25	(-13)	1351	341	396	231	1.46	4.02	5.86	1.48	1.72
-20	(- 4)	1677	423	492	260	1.52	5.00	6.45	1.63	1.89
-15	(+ 5)	2054	518	602	288	1.57	6.15	7.10	1.79	2.08
-10	(+14)	2494	628	731	315	1.64	7.50	7.84	1.98	2.30
-5	(+23)	3009	758	882	343	1.76	9.10	8.73	2.20	2.56
0	(+32)	3614	911	1059	370	1.95	10.98	9.81	2.47	2.87

TEST CONDITIONS: @220V3000RPM		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)	479	121	140	144	1.02	1.41	3.28	0.83	0.96
-35	(-31)	721	182	211	176	1.24	2.13	4.07	1.03	1.19
-30	(-22)	976	246	286	208	1.39	2.89	4.73	1.19	1.38
-25	(-13)	1258	317	368	241	1.50	3.74	5.29	1.33	1.55
-20	(- 4)	1578	398	462	274	1.57	4.71	5.81	1.46	1.70
-15	(+ 5)	1951	492	572	309	1.65	5.84	6.34	1.60	1.86
-10	(+14)	2388	602	700	344	1.75	7.18	6.92	1.74	2.03
-5	(+23)	2903	732	851	380	1.90	8.78	7.59	1.91	2.23
0	(+32)	3508	884	1028	417	2.12	10.66	8.42	2.12	2.47

TEST CONDITIONS: @220V3600RPM		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)	818	206	240	175	0.99	2.42	4.64	1.17	1.36
-35	(-31)	1043	263	306	197	1.16	3.09	5.31	1.34	1.56
-30	(-22)	1337	337	392	220	1.32	3.96	6.08	1.53	1.78
-25	(-13)	1698	428	498	245	1.46	5.05	6.94	1.75	2.03
-20	(- 4)	2128	536	624	270	1.59	6.35	7.89	1.99	2.31
-15	(+ 5)	2627	662	770	295	1.71	7.87	8.94	2.25	2.62
-10	(+14)	3196	805	936	318	1.82	9.62	10.09	2.54	2.96
-5	(+23)	3835	966	1124	339	1.93	11.60	11.34	2.86	3.32
0	(+32)	4545	1145	1332	357	2.03	13.82	12.68	3.20	3.72

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3600RPM		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	180	1.05	2.32	4.38	1.11	1.28
-35	(-31)	1009	254	296	205	1.25	2.99	4.94	1.24	1.45
-30	(-22)	1295	326	380	232	1.43	3.84	5.56	1.40	1.63
-25	(-13)	1647	415	483	262	1.60	4.90	6.25	1.58	1.83
-20	(- 4)	2063	520	605	293	1.76	6.16	7.01	1.77	2.05
-15	(+ 5)	2546	641	746	324	1.91	7.63	7.83	1.97	2.29
-10	(+14)	3094	780	907	355	2.05	9.31	8.72	2.20	2.56
-5	(+23)	3710	935	1087	384	2.19	11.22	9.68	2.44	2.84
0	(+32)	4393	1107	1287	411	2.33	13.35	10.71	2.70	3.14

TEST CONDITIONS: @220V3600RPM		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	185	1.08	2.19	4.04	1.02	1.18
-35	(-31)	958	241	281	212	1.30	2.83	4.54	1.14	1.33
-30	(-22)	1235	311	362	243	1.50	3.66	5.08	1.28	1.49
-25	(-13)	1574	397	461	277	1.69	4.68	5.66	1.43	1.66
-20	(- 4)	1975	498	579	313	1.87	5.89	6.28	1.58	1.84
-15	(+ 5)	2438	614	715	350	2.05	7.30	6.94	1.75	2.03
-10	(+14)	2965	747	869	388	2.22	8.92	7.63	1.92	2.24
-5	(+23)	3555	896	1042	424	2.39	10.75	8.37	2.11	2.45
0	(+32)	4209	1061	1233	460	2.56	12.79	9.15	2.31	2.68

TEST CONDITIONS: @220V3600RPM		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	192	1.06	2.01	3.52	0.89	1.03
-35	(-31)	890	224	261	221	1.30	2.63	4.03	1.02	1.18
-30	(-22)	1156	291	339	255	1.52	3.43	4.55	1.15	1.33
-25	(-13)	1480	373	434	292	1.74	4.40	5.09	1.28	1.49
-20	(- 4)	1863	470	546	332	1.94	5.56	5.63	1.42	1.65
-15	(+ 5)	2306	581	676	374	2.14	6.90	6.18	1.56	1.81
-10	(+14)	2808	708	823	417	2.34	8.45	6.75	1.70	1.98
-5	(+23)	3370	849	987	461	2.54	10.19	7.32	1.85	2.15
0	(+32)	3993	1006	1170	504	2.74	12.14	7.91	1.99	2.32

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	961	242	282	211	1.09	2.84	4.53	1.14	1.33
-35	(-31)	1265	319	371	240	1.39	3.74	5.31	1.34	1.56
-30	(-22)	1589	401	466	263	1.59	4.71	6.10	1.54	1.79
-25	(-13)	1947	491	570	283	1.73	5.79	6.93	1.75	2.03
-20	(- 4)	2350	592	689	301	1.82	7.01	7.80	1.97	2.29
-15	(+ 5)	2815	709	825	319	1.89	8.43	8.74	2.20	2.56
-10	(+14)	3353	845	982	339	1.97	10.09	9.77	2.46	2.86
-5	(+23)	3978	1002	1166	362	2.07	12.03	10.89	2.75	3.19
0	(+32)	4704	1186	1379	391	2.23	14.30	12.14	3.06	3.56

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	889	224	261	210	1.16	2.63	4.21	1.06	1.23
-35	(-31)	1216	306	356	247	1.47	3.60	4.91	1.24	1.44
-30	(-22)	1547	390	453	278	1.69	4.59	5.60	1.41	1.64
-25	(-13)	1896	478	555	304	1.84	5.63	6.30	1.59	1.85
-20	(- 4)	2276	574	667	326	1.96	6.79	7.02	1.77	2.06
-15	(+ 5)	2702	681	792	348	2.05	8.09	7.77	1.96	2.28
-10	(+14)	3187	803	934	369	2.15	9.59	8.59	2.16	2.52
-5	(+23)	3744	944	1097	393	2.27	11.32	9.47	2.39	2.78
0	(+32)	4387	1106	1286	421	2.45	13.34	10.45	2.63	3.06

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	756	190	221	206	1.26	2.23	3.67	0.92	1.07
-35	(-31)	1116	281	327	253	1.58	3.30	4.37	1.10	1.28
-30	(-22)	1466	369	430	292	1.80	4.35	5.03	1.27	1.47
-25	(-13)	1819	458	533	324	1.96	5.41	5.66	1.43	1.66
-20	(- 4)	2189	552	641	351	2.08	6.53	6.29	1.59	1.84
-15	(+ 5)	2589	652	759	376	2.18	7.75	6.94	1.75	2.03
-10	(+14)	3033	764	889	399	2.29	9.12	7.60	1.92	2.23
-5	(+23)	3534	891	1036	423	2.42	10.68	8.32	2.10	2.44
0	(+32)	4106	1035	1203	450	2.61	12.48	9.09	2.29	2.66

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4500RPM		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)	560	141	164	202	1.42	1.65	2.88	0.72	0.84
-35	(-31)	967	244	283	258	1.72	2.86	3.64	0.92	1.07
-30	(-22)	1349	340	395	304	1.94	4.00	4.34	1.09	1.27
-25	(-13)	1718	433	504	342	2.09	5.11	4.99	1.26	1.46
-20	(- 4)	2090	527	612	374	2.20	6.23	5.60	1.41	1.64
-15	(+ 5)	2476	624	725	402	2.29	7.41	6.20	1.56	1.82
-10	(+14)	2891	729	847	428	2.39	8.69	6.79	1.71	1.99
-5	(+23)	3348	844	981	453	2.51	10.12	7.41	1.87	2.17
0	(+32)	3862	973	1132	479	2.70	11.74	8.05	2.03	2.36

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		