

COMPRESSOR DEFINITION

Designation	FM FT406U
Nominal Voltage/Frequency	230 V 46-150 Hz
Engineering Number	513805001

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-290		
3 Nominal voltage and frequency	230 / 46-150	[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)	-	-	-
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	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	6.44	[cm ³] (0.393 cu.in)
2.1 Bore [mm]	22.500	
2.2 Stroke [mm]	16.200	
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 ²]

C - ELETRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	230 V 46-150 Hz 3~ (Three phase)	
2 Starting device type	Inverter	
2.1 Starting device	CF03B02 M XX XX	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	INVERTER CF03B02 M 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)	3.30/3.30	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (50/60 Hz)	3.30/3.30	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (50/60 Hz)	3.30/3.30	[A] - Measured according to UL 984
11 Approval boards certification		

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @220V1400RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
420	106	123	76	0.64	1.25	5.53	1.39	1.62

TEST CONDITIONS: @220V1800RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
587	148	172	100	0.77	1.75	5.90	1.49	1.73

TEST CONDITIONS: @220V2400RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
773	195	227	129	1.03	2.30	6.01	1.51	1.76

TEST CONDITIONS: @220V3000RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
1049	264	307	170	1.32	3.12	6.18	1.56	1.81

TEST CONDITIONS: @220V3600RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
1263	318	370	207	1.61	3.76	6.11	1.54	1.79

TEST CONDITIONS: @220V4500RPM			ASHRAELBP32 Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 54.4°C (129.92°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]
1678	423	492	278	2.21	4.99	6.03	1.52	1.77

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1400RPM		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]
-40	(-40)	240	60	70	47	0.44	0.71	5.06	1.28	1.48
-35	(-31)	294	74	86	52	0.47	0.87	5.66	1.43	1.66
-30	(-22)	367	92	108	58	0.51	1.09	6.32	1.59	1.85
-25	(-13)	460	116	135	65	0.55	1.37	7.08	1.78	2.07
-20	(- 4)	573	144	168	72	0.60	1.71	7.99	2.01	2.34
-15	(+ 5)	707	178	207	78	0.65	2.12	9.11	2.30	2.67
-10	(+14)	862	217	253	83	0.69	2.60	10.48	2.64	3.07
-5	(+23)	1040	262	305	86	0.72	3.15	12.15	3.06	3.56
0	(+32)	1241	313	364	87	0.73	3.77	14.16	3.57	4.15

TEST CONDITIONS: @220V1400RPM		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]
-40	(-40)	203	51	59	47	0.44	0.60	4.38	1.10	1.28
-35	(-31)	257	65	75	52	0.48	0.76	4.95	1.25	1.45
-30	(-22)	329	83	97	60	0.53	0.98	5.50	1.39	1.61
-25	(-13)	421	106	123	68	0.59	1.25	6.10	1.54	1.79
-20	(- 4)	534	134	156	78	0.65	1.59	6.78	1.71	1.99
-15	(+ 5)	667	168	195	87	0.71	2.00	7.60	1.92	2.23
-10	(+14)	821	207	241	95	0.78	2.47	8.60	2.17	2.52
-5	(+23)	997	251	292	102	0.83	3.02	9.83	2.48	2.88
0	(+32)	1196	301	351	106	0.87	3.64	11.34	2.86	3.32

TEST CONDITIONS: @220V1400RPM		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]
-40	(-40)	176	44	51	47	0.43	0.52	3.64	0.92	1.07
-35	(-31)	226	57	66	54	0.48	0.67	4.27	1.08	1.25
-30	(-22)	295	74	86	62	0.54	0.87	4.83	1.22	1.41
-25	(-13)	383	97	112	73	0.61	1.14	5.35	1.35	1.57
-20	(- 4)	491	124	144	84	0.70	1.47	5.89	1.48	1.73
-15	(+ 5)	620	156	182	95	0.78	1.86	6.50	1.64	1.90
-10	(+14)	770	194	226	106	0.86	2.32	7.22	1.82	2.12
-5	(+23)	942	237	276	116	0.93	2.85	8.11	2.04	2.38
0	(+32)	1137	286	333	124	1.00	3.45	9.21	2.32	2.70

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1800RPM		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)	275	69	81	57	0.46	0.81	4.84	1.22	1.42
-35	(-31)	369	93	108	66	0.53	1.09	5.56	1.40	1.63
-30	(-22)	477	120	140	75	0.60	1.41	6.35	1.60	1.86
-25	(-13)	604	152	177	83	0.66	1.79	7.26	1.83	2.13
-20	(- 4)	753	190	221	91	0.72	2.25	8.31	2.09	2.44
-15	(+ 5)	928	234	272	97	0.76	2.78	9.55	2.41	2.80
-10	(+14)	1135	286	333	103	0.81	3.42	11.02	2.78	3.23
-5	(+23)	1376	347	403	108	0.84	4.16	12.75	3.21	3.74
0	(+32)	1657	418	486	112	0.86	5.04	14.79	3.73	4.33

TEST CONDITIONS: @220V1800RPM		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)	256	64	75	57	0.48	0.76	4.50	1.13	1.32
-35	(-31)	350	88	102	68	0.56	1.03	5.11	1.29	1.50
-30	(-22)	456	115	134	79	0.63	1.35	5.73	1.44	1.68
-25	(-13)	579	146	170	90	0.71	1.72	6.41	1.62	1.88
-20	(- 4)	722	182	212	100	0.78	2.15	7.18	1.81	2.10
-15	(+ 5)	891	225	261	110	0.85	2.67	8.08	2.04	2.37
-10	(+14)	1089	274	319	119	0.91	3.28	9.14	2.30	2.68
-5	(+23)	1320	333	387	127	0.97	3.99	10.41	2.62	3.05
0	(+32)	1589	401	466	134	1.02	4.83	11.93	3.01	3.50

TEST CONDITIONS: @220V1800RPM		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)	216	55	63	55	0.47	0.64	3.93	0.99	1.15
-35	(-31)	312	78	91	68	0.56	0.92	4.55	1.15	1.33
-30	(-22)	418	105	122	82	0.65	1.24	5.12	1.29	1.50
-25	(-13)	539	136	158	95	0.74	1.60	5.69	1.43	1.67
-20	(- 4)	679	171	199	109	0.83	2.03	6.29	1.58	1.84
-15	(+ 5)	843	212	247	121	0.92	2.52	6.96	1.75	2.04
-10	(+14)	1034	261	303	133	1.01	3.11	7.74	1.95	2.27
-5	(+23)	1257	317	368	145	1.09	3.80	8.66	2.18	2.54
0	(+32)	1516	382	444	155	1.17	4.61	9.78	2.46	2.87

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3000RPM		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)	525	132	154	103	0.80	1.55	5.08	1.28	1.49
-35	(-31)	665	168	195	115	0.90	1.97	5.77	1.45	1.69
-30	(-22)	844	213	247	129	1.01	2.50	6.51	1.64	1.91
-25	(-13)	1065	268	312	144	1.12	3.17	7.37	1.86	2.16
-20	(- 4)	1329	335	389	159	1.22	3.96	8.36	2.11	2.45
-15	(+ 5)	1637	413	480	172	1.32	4.91	9.53	2.40	2.79
-10	(+14)	1993	502	584	184	1.41	6.00	10.92	2.75	3.20
-5	(+23)	2398	604	703	192	1.47	7.25	12.57	3.17	3.68
0	(+32)	2853	719	836	196	1.51	8.68	14.51	3.66	4.25

TEST CONDITIONS: @220V3000RPM		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)	491	124	144	107	0.86	1.45	4.61	1.16	1.35
-35	(-31)	629	158	184	120	0.96	1.86	5.25	1.32	1.54
-30	(-22)	805	203	236	137	1.08	2.39	5.89	1.48	1.73
-25	(-13)	1022	257	299	155	1.21	3.04	6.58	1.66	1.93
-20	(- 4)	1281	323	375	173	1.34	3.82	7.35	1.85	2.15
-15	(+ 5)	1586	400	465	191	1.46	4.75	8.25	2.08	2.42
-10	(+14)	1937	488	567	207	1.57	5.83	9.31	2.35	2.73
-5	(+23)	2336	589	685	221	1.67	7.07	10.57	2.66	3.10
0	(+32)	2786	702	816	231	1.74	8.47	12.07	3.04	3.54

TEST CONDITIONS: @220V3000RPM		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)	444	112	130	108	0.85	1.31	4.07	1.03	1.19
-35	(-31)	578	146	169	123	0.98	1.71	4.74	1.19	1.39
-30	(-22)	750	189	220	142	1.12	2.22	5.36	1.35	1.57
-25	(-13)	963	243	282	163	1.27	2.86	5.96	1.50	1.75
-20	(- 4)	1218	307	357	185	1.43	3.63	6.60	1.66	1.93
-15	(+ 5)	1517	382	445	207	1.59	4.54	7.30	1.84	2.14
-10	(+14)	1863	470	546	229	1.74	5.61	8.11	2.04	2.38
-5	(+23)	2257	569	661	249	1.88	6.82	9.06	2.28	2.65
0	(+32)	2701	681	792	265	2.00	8.21	10.19	2.57	2.99

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3600RPM		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)	720	181	211	145	1.05	2.13	4.95	1.25	1.45	
-35 (-31)	821	207	240	145	1.11	2.43	5.72	1.44	1.68	
-30 (-22)	1005	253	294	155	1.22	2.98	6.48	1.63	1.90	
-25 (-13)	1266	319	371	173	1.35	3.76	7.29	1.84	2.14	
-20 (- 4)	1598	403	468	193	1.50	4.77	8.22	2.07	2.41	
-15 (+ 5)	1996	503	585	214	1.64	5.98	9.30	2.34	2.73	
-10 (+14)	2451	618	718	233	1.76	7.38	10.61	2.67	3.11	
-5 (+23)	2960	746	867	245	1.84	8.95	12.19	3.07	3.57	
0 (+32)	3514	885	1030	248	1.87	10.68	14.11	3.56	4.14	

TEST CONDITIONS: @220V3600RPM		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)	625	158	183	142	1.07	1.85	4.39	1.11	1.29	
-35 (-31)	751	189	220	149	1.16	2.22	5.12	1.29	1.50	
-30 (-22)	951	240	279	164	1.30	2.82	5.80	1.46	1.70	
-25 (-13)	1218	307	357	186	1.46	3.62	6.48	1.63	1.90	
-20 (- 4)	1547	390	453	212	1.64	4.62	7.23	1.82	2.12	
-15 (+ 5)	1931	487	566	237	1.81	5.78	8.09	2.04	2.37	
-10 (+14)	2363	595	692	259	1.96	7.11	9.13	2.30	2.68	
-5 (+23)	2838	715	832	274	2.06	8.58	10.41	2.62	3.05	
0 (+32)	3349	844	981	280	2.11	10.18	11.97	3.02	3.51	

TEST CONDITIONS: @220V3600RPM		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)	562	142	165	142	1.07	1.66	3.92	0.99	1.15	
-35 (-31)	699	176	205	152	1.20	2.07	4.64	1.17	1.36	
-30 (-22)	900	227	264	172	1.36	2.67	5.27	1.33	1.55	
-25 (-13)	1158	292	339	198	1.55	3.44	5.87	1.48	1.72	
-20 (- 4)	1468	370	430	226	1.75	4.38	6.48	1.63	1.90	
-15 (+ 5)	1824	460	534	254	1.94	5.46	7.16	1.80	2.10	
-10 (+14)	2218	559	650	278	2.10	6.67	7.97	2.01	2.34	
-5 (+23)	2645	666	775	295	2.23	8.00	8.98	2.26	2.63	
0 (+32)	3098	781	908	303	2.29	9.42	10.22	2.58	2.99	

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	722	182	211	155	1.19	2.13	4.65	1.17	1.36
-35	(-31)	1021	257	299	189	1.49	3.02	5.43	1.37	1.59
-30	(-22)	1358	342	398	220	1.74	4.02	6.22	1.57	1.82
-25	(-13)	1734	437	508	246	1.94	5.15	7.07	1.78	2.07
-20	(- 4)	2151	542	630	267	2.10	6.42	8.02	2.02	2.35
-15	(+ 5)	2614	659	766	285	2.23	7.83	9.12	2.30	2.67
-10	(+14)	3122	787	915	298	2.33	9.40	10.41	2.62	3.05
-5	(+23)	3680	927	1078	308	2.40	11.13	11.94	3.01	3.50
0	(+32)	4289	1081	1257	313	2.45	13.04	13.76	3.47	4.03

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	702	177	206	161	1.27	2.07	4.33	1.09	1.27
-35	(-31)	1010	254	296	201	1.60	2.99	5.02	1.27	1.47
-30	(-22)	1332	336	390	235	1.88	3.95	5.69	1.43	1.67
-25	(-13)	1670	421	489	263	2.09	4.97	6.39	1.61	1.87
-20	(- 4)	2028	511	594	285	2.25	6.05	7.16	1.80	2.10
-15	(+ 5)	2407	607	705	300	2.36	7.21	8.04	2.03	2.36
-10	(+14)	2811	708	824	310	2.43	8.46	9.09	2.29	2.66
-5	(+23)	3240	817	950	313	2.46	9.80	10.34	2.61	3.03
0	(+32)	3699	932	1084	311	2.46	11.25	11.85	2.99	3.47

TEST CONDITIONS: @220V4500RPM		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]
-40	(-40)	576	145	169	149	1.20	1.70	3.92	0.99	1.15
-35	(-31)	912	230	267	197	1.59	2.70	4.57	1.15	1.34
-30	(-22)	1240	312	363	238	1.90	3.68	5.17	1.30	1.51
-25	(-13)	1561	393	458	270	2.15	4.64	5.76	1.45	1.69
-20	(- 4)	1880	474	551	293	2.32	5.61	6.39	1.61	1.87
-15	(+ 5)	2197	554	644	309	2.43	6.58	7.11	1.79	2.08
-10	(+14)	2515	634	737	317	2.49	7.56	7.96	2.01	2.33
-5	(+23)	2837	715	831	317	2.49	8.58	8.98	2.26	2.63
0	(+32)	3166	798	928	309	2.45	9.62	10.23	2.58	3.00

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		