

COMPRESSOR DEFINITION

Designation	FM FT406U
Nominal Voltage/Frequency	230 V 46-150 Hz
Engineering Number	513805011

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)	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	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	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 46-150 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)	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	CE - TUV - UKCA	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V1400RPM			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]
439	111	129	79	0.88	1.31	5.55	1.40	1.63

TEST CONDITIONS: @115V1800RPM			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]
606	153	178	103	1.16	1.80	5.87	1.48	1.72

TEST CONDITIONS: @115V2400RPM			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]
780	196	228	134	1.51	2.32	5.81	1.46	1.70

TEST CONDITIONS: @115V3000RPM			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]
1056	266	309	176	1.93	3.14	6.00	1.51	1.76

TEST CONDITIONS: @115V3600RPM			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]
1275	321	374	216	2.33	3.79	5.91	1.49	1.73

TEST CONDITIONS: @115V4500RPM			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]
1503	379	440	257	2.78	4.47	5.84	1.47	1.71

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1400RPM		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)	251	63	73	49	0.61	0.74	5.07	1.28	1.49
-35	(-31)	307	77	90	54	0.65	0.91	5.67	1.43	1.66
-30	(-22)	383	97	112	60	0.70	1.14	6.33	1.59	1.85
-25	(-13)	480	121	141	67	0.76	1.43	7.09	1.79	2.08
-20	(- 4)	598	151	175	75	0.83	1.79	8.01	2.02	2.35
-15	(+ 5)	738	186	216	81	0.89	2.21	9.13	2.30	2.68
-10	(+14)	901	227	264	87	0.95	2.71	10.50	2.65	3.08
-5	(+23)	1087	274	318	90	0.99	3.29	12.18	3.07	3.57
0	(+32)	1296	327	380	91	1.01	3.94	14.21	3.58	4.16

TEST CONDITIONS: @115V1400RPM		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)	212	53	62	49	0.61	0.63	4.39	1.11	1.29
-35	(-31)	268	68	79	54	0.66	0.79	4.96	1.25	1.45
-30	(-22)	344	87	101	62	0.73	1.02	5.52	1.39	1.62
-25	(-13)	440	111	129	71	0.81	1.31	6.12	1.54	1.79
-20	(- 4)	557	140	163	81	0.90	1.66	6.80	1.71	1.99
-15	(+ 5)	696	175	204	90	0.98	2.09	7.62	1.92	2.23
-10	(+14)	858	216	251	99	1.07	2.58	8.62	2.17	2.53
-5	(+23)	1042	263	305	106	1.14	3.15	9.86	2.48	2.89
0	(+32)	1250	315	366	110	1.19	3.80	11.38	2.87	3.33

TEST CONDITIONS: @115V1400RPM		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)	183	46	54	49	0.60	0.54	3.65	0.92	1.07
-35	(-31)	236	59	69	56	0.66	0.70	4.29	1.08	1.26
-30	(-22)	308	78	90	65	0.75	0.91	4.84	1.22	1.42
-25	(-13)	400	101	117	76	0.85	1.19	5.37	1.35	1.57
-20	(- 4)	513	129	150	87	0.96	1.53	5.91	1.49	1.73
-15	(+ 5)	648	163	190	99	1.07	1.94	6.52	1.64	1.91
-10	(+14)	805	203	236	110	1.18	2.42	7.24	1.82	2.12
-5	(+23)	984	248	288	121	1.28	2.98	8.13	2.05	2.38
0	(+32)	1187	299	348	129	1.37	3.61	9.23	2.33	2.71

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1800RPM		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)	284	72	83	59	0.69	0.84	4.82	1.22	1.41
-35	(-31)	381	96	112	69	0.80	1.13	5.54	1.40	1.62
-30	(-22)	493	124	144	78	0.90	1.46	6.32	1.59	1.85
-25	(-13)	624	157	183	86	0.99	1.85	7.22	1.82	2.12
-20	(- 4)	778	196	228	94	1.08	2.32	8.27	2.08	2.42
-15	(+ 5)	959	242	281	101	1.15	2.87	9.50	2.40	2.79
-10	(+14)	1172	295	344	107	1.22	3.53	10.97	2.76	3.21
-5	(+23)	1422	358	417	112	1.27	4.30	12.69	3.20	3.72
0	(+32)	1712	431	502	116	1.30	5.21	14.73	3.71	4.31

TEST CONDITIONS: @115V1800RPM		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)	264	67	77	59	0.72	0.78	4.48	1.13	1.31
-35	(-31)	361	91	106	71	0.84	1.07	5.09	1.28	1.49
-30	(-22)	471	119	138	82	0.96	1.40	5.71	1.44	1.67
-25	(-13)	598	151	175	94	1.07	1.78	6.38	1.61	1.87
-20	(- 4)	746	188	219	104	1.18	2.23	7.15	1.80	2.09
-15	(+ 5)	921	232	270	114	1.28	2.76	8.04	2.03	2.36
-10	(+14)	1125	284	330	123	1.37	3.39	9.10	2.29	2.67
-5	(+23)	1364	344	400	131	1.45	4.13	10.37	2.61	3.04
0	(+32)	1642	414	481	139	1.53	4.99	11.88	2.99	3.48

TEST CONDITIONS: @115V1800RPM		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)	223	56	65	57	0.70	0.66	3.91	0.99	1.15
-35	(-31)	322	81	94	71	0.84	0.95	4.53	1.14	1.33
-30	(-22)	431	109	126	85	0.98	1.28	5.10	1.28	1.49
-25	(-13)	557	140	163	99	1.12	1.66	5.66	1.43	1.66
-20	(- 4)	702	177	206	113	1.25	2.09	6.26	1.58	1.83
-15	(+ 5)	871	219	255	126	1.39	2.61	6.92	1.74	2.03
-10	(+14)	1068	269	313	138	1.52	3.21	7.70	1.94	2.26
-5	(+23)	1299	327	381	150	1.64	3.93	8.62	2.17	2.53
0	(+32)	1566	395	459	161	1.76	4.76	9.73	2.45	2.85

E - PERFORMANCE - CURVES

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)	528	133	155	107	1.17	1.56	4.93	1.24	1.44
-35	(-31)	669	169	196	120	1.32	1.98	5.59	1.41	1.64
-30	(-22)	850	214	249	134	1.47	2.52	6.32	1.59	1.85
-25	(-13)	1072	270	314	149	1.63	3.19	7.14	1.80	2.09
-20	(- 4)	1338	337	392	165	1.79	3.99	8.10	2.04	2.37
-15	(+ 5)	1648	415	483	179	1.94	4.94	9.24	2.33	2.71
-10	(+14)	2007	506	588	191	2.06	6.04	10.59	2.67	3.10
-5	(+23)	2414	608	707	199	2.15	7.30	12.18	3.07	3.57
0	(+32)	2873	724	842	203	2.21	8.73	14.07	3.55	4.12

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)	495	125	145	111	1.25	1.46	4.47	1.13	1.31
-35	(-31)	633	160	185	125	1.40	1.87	5.09	1.28	1.49
-30	(-22)	810	204	237	142	1.58	2.40	5.71	1.44	1.67
-25	(-13)	1029	259	301	160	1.76	3.06	6.38	1.61	1.87
-20	(- 4)	1290	325	378	180	1.95	3.85	7.13	1.80	2.09
-15	(+ 5)	1596	402	468	198	2.13	4.78	8.00	2.02	2.34
-10	(+14)	1950	491	571	215	2.30	5.87	9.02	2.27	2.64
-5	(+23)	2352	593	689	230	2.44	7.11	10.25	2.58	3.00
0	(+32)	2805	707	822	240	2.54	8.53	11.70	2.95	3.43

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)	447	113	131	112	1.24	1.32	3.95	0.99	1.16
-35	(-31)	582	147	171	128	1.42	1.72	4.59	1.16	1.35
-30	(-22)	756	190	221	147	1.63	2.24	5.19	1.31	1.52
-25	(-13)	970	244	284	169	1.86	2.88	5.78	1.46	1.69
-20	(- 4)	1226	309	359	192	2.09	3.66	6.40	1.61	1.87
-15	(+ 5)	1528	385	448	215	2.33	4.58	7.08	1.78	2.07
-10	(+14)	1876	473	550	238	2.55	5.64	7.86	1.98	2.30
-5	(+23)	2272	573	666	258	2.75	6.87	8.78	2.21	2.57
0	(+32)	2719	685	797	275	2.92	8.26	9.88	2.49	2.90

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V3600RPM		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)	727	183	213	151	1.52	2.15	4.79	1.21	1.40	
-35 (-31)	828	209	243	151	1.61	2.45	5.53	1.39	1.62	
-30 (-22)	1014	256	297	162	1.76	3.01	6.27	1.58	1.84	
-25 (-13)	1278	322	375	180	1.96	3.80	7.05	1.78	2.07	
-20 (- 4)	1614	407	473	202	2.17	4.82	7.95	2.00	2.33	
-15 (+ 5)	2015	508	590	224	2.38	6.04	9.00	2.27	2.64	
-10 (+14)	2475	624	725	243	2.55	7.45	10.26	2.59	3.01	
-5 (+23)	2988	753	876	255	2.67	9.04	11.79	2.97	3.46	
0 (+32)	3548	894	1040	259	2.71	10.79	13.65	3.44	4.00	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V3600RPM		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)	632	159	185	149	1.54	1.86	4.25	1.07	1.24	
-35 (-31)	759	191	222	155	1.68	2.24	4.95	1.25	1.45	
-30 (-22)	960	242	281	172	1.88	2.85	5.60	1.41	1.64	
-25 (-13)	1230	310	360	195	2.12	3.66	6.27	1.58	1.84	
-20 (- 4)	1562	394	458	221	2.38	4.66	6.99	1.76	2.05	
-15 (+ 5)	1949	491	571	247	2.62	5.84	7.83	1.97	2.29	
-10 (+14)	2386	601	699	270	2.84	7.18	8.83	2.23	2.59	
-5 (+23)	2865	722	840	286	2.99	8.66	10.06	2.54	2.95	
0 (+32)	3382	852	991	292	3.06	10.28	11.57	2.92	3.39	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V3600RPM		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)	568	143	166	148	1.55	1.68	3.79	0.95	1.11	
-35 (-31)	706	178	207	159	1.73	2.09	4.49	1.13	1.32	
-30 (-22)	908	229	266	180	1.96	2.69	5.10	1.29	1.49	
-25 (-13)	1170	295	343	207	2.24	3.48	5.67	1.43	1.66	
-20 (- 4)	1483	374	434	236	2.53	4.42	6.26	1.58	1.84	
-15 (+ 5)	1841	464	540	265	2.80	5.51	6.92	1.74	2.03	
-10 (+14)	2239	564	656	290	3.04	6.74	7.71	1.94	2.26	
-5 (+23)	2671	673	783	308	3.22	8.07	8.68	2.19	2.54	
0 (+32)	3128	788	917	316	3.32	9.51	9.88	2.49	2.90	

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V4500RPM		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)	646	163	189	143	1.50	1.91	4.51	1.14	1.32	
-35 (-31)	914	230	268	175	1.88	2.70	5.26	1.33	1.54	
-30 (-22)	1216	306	356	203	2.19	3.60	6.03	1.52	1.77	
-25 (-13)	1552	391	455	227	2.44	4.62	6.85	1.73	2.01	
-20 (- 4)	1927	485	565	247	2.64	5.75	7.77	1.96	2.28	
-15 (+ 5)	2340	590	686	263	2.80	7.01	8.84	2.23	2.59	
-10 (+14)	2796	705	819	276	2.92	8.42	10.09	2.54	2.96	
-5 (+23)	3295	830	966	284	3.01	9.97	11.58	2.92	3.39	
0 (+32)	3841	968	1126	289	3.08	11.68	13.34	3.36	3.91	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V4500RPM		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)	629	158	184	148	1.59	1.86	4.20	1.06	1.23	
-35 (-31)	904	228	265	186	2.02	2.68	4.87	1.23	1.43	
-30 (-22)	1192	300	349	217	2.36	3.54	5.52	1.39	1.62	
-25 (-13)	1496	377	438	243	2.63	4.45	6.20	1.56	1.82	
-20 (- 4)	1816	458	532	263	2.83	5.42	6.94	1.75	2.03	
-15 (+ 5)	2156	543	632	277	2.97	6.46	7.80	1.96	2.28	
-10 (+14)	2517	634	738	286	3.06	7.57	8.81	2.22	2.58	
-5 (+23)	2902	731	850	289	3.10	8.77	10.03	2.53	2.94	
0 (+32)	3312	835	971	287	3.10	10.07	11.49	2.90	3.37	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V4500RPM		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)	516	130	151	138	1.51	1.52	3.80	0.96	1.11	
-35 (-31)	817	206	239	182	2.00	2.42	4.43	1.12	1.30	
-30 (-22)	1110	280	325	219	2.40	3.29	5.01	1.26	1.47	
-25 (-13)	1398	352	410	249	2.70	4.16	5.59	1.41	1.64	
-20 (- 4)	1683	424	493	271	2.92	5.02	6.20	1.56	1.82	
-15 (+ 5)	1967	496	576	286	3.06	5.89	6.89	1.74	2.02	
-10 (+14)	2252	568	660	293	3.13	6.77	7.72	1.94	2.26	
-5 (+23)	2541	640	744	293	3.13	7.68	8.71	2.20	2.55	
0 (+32)	2835	714	831	285	3.08	8.62	9.92	2.50	2.91	

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		