

COMPRESSOR DEFINITION

Designation	FM FT406U
Nominal Voltage/Frequency	230 V 46-150 Hz
Engineering Number	513805028

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 - High 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	-	[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	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 - UL	

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]
433	109	127	78	1.04	1.29	5.57	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]
598	151	175	102	1.37	1.78	5.88	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]
786	198	230	131	1.75	2.34	5.99	1.51	1.76

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]
1065	268	312	172	2.24	3.17	6.18	1.56	1.81

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]
1282	323	376	211	2.70	3.81	6.08	1.53	1.78

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]
1694	427	496	282	3.56	5.04	6.01	1.51	1.76

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V1400RPM		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)	247	62	72	49	0.72	0.73	5.09	1.28	1.49	
-35 (-31)	303	76	89	53	0.77	0.90	5.69	1.43	1.67	
-30 (-22)	378	95	111	59	0.83	1.12	6.35	1.60	1.86	
-25 (-13)	474	119	139	66	0.90	1.41	7.12	1.79	2.09	
-20 (- 4)	590	149	173	73	0.98	1.76	8.04	2.03	2.36	
-15 (+ 5)	728	183	213	80	1.05	2.18	9.17	2.31	2.69	
-10 (+14)	888	224	260	85	1.12	2.67	10.55	2.66	3.09	
-5 (+23)	1071	270	314	88	1.17	3.24	12.23	3.08	3.58	
0 (+32)	1278	322	375	89	1.19	3.89	14.26	3.59	4.18	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V1400RPM		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)	209	53	61	48	0.72	0.62	4.40	1.11	1.29	
-35 (-31)	264	67	77	54	0.78	0.78	4.97	1.25	1.46	
-30 (-22)	339	85	99	61	0.86	1.01	5.53	1.39	1.62	
-25 (-13)	434	109	127	70	0.96	1.29	6.14	1.55	1.80	
-20 (- 4)	550	138	161	80	1.06	1.64	6.82	1.72	2.00	
-15 (+ 5)	687	173	201	89	1.16	2.06	7.65	1.93	2.24	
-10 (+14)	845	213	248	97	1.26	2.54	8.66	2.18	2.54	
-5 (+23)	1027	259	301	104	1.35	3.11	9.90	2.49	2.90	
0 (+32)	1232	311	361	108	1.41	3.75	11.41	2.88	3.34	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V1400RPM		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)	181	46	53	48	0.70	0.53	3.67	0.93	1.08	
-35 (-31)	233	59	68	55	0.78	0.69	4.30	1.08	1.26	
-30 (-22)	304	77	89	64	0.88	0.90	4.86	1.22	1.42	
-25 (-13)	395	99	116	74	1.00	1.17	5.38	1.36	1.58	
-20 (- 4)	506	128	148	86	1.13	1.51	5.93	1.49	1.74	
-15 (+ 5)	639	161	187	97	1.26	1.91	6.54	1.65	1.92	
-10 (+14)	793	200	232	109	1.40	2.39	7.27	1.83	2.13	
-5 (+23)	970	245	284	118	1.52	2.93	8.16	2.06	2.39	
0 (+32)	1171	295	343	127	1.62	3.56	9.26	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]
-40	(-40)	280	71	82	58	0.81	0.83	4.83	1.22	1.42
-35	(-31)	376	95	110	67	0.94	1.11	5.55	1.40	1.63
-30	(-22)	486	122	142	76	1.06	1.44	6.34	1.60	1.86
-25	(-13)	615	155	180	85	1.17	1.83	7.24	1.82	2.12
-20	(- 4)	767	193	225	93	1.27	2.29	8.29	2.09	2.43
-15	(+ 5)	946	238	277	100	1.36	2.83	9.52	2.40	2.79
-10	(+14)	1156	291	339	106	1.44	3.48	10.99	2.77	3.22
-5	(+23)	1402	353	411	110	1.50	4.24	12.72	3.21	3.73
0	(+32)	1688	425	495	114	1.54	5.13	14.76	3.72	4.32

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]
-40	(-40)	261	66	76	58	0.84	0.77	4.49	1.13	1.32
-35	(-31)	356	90	104	70	0.99	1.05	5.10	1.28	1.49
-30	(-22)	464	117	136	81	1.13	1.38	5.72	1.44	1.68
-25	(-13)	589	149	173	92	1.26	1.75	6.40	1.61	1.87
-20	(- 4)	736	185	216	102	1.39	2.20	7.16	1.80	2.10
-15	(+ 5)	908	229	266	112	1.51	2.72	8.06	2.03	2.36
-10	(+14)	1110	280	325	121	1.62	3.34	9.12	2.30	2.67
-5	(+23)	1345	339	394	129	1.72	4.07	10.39	2.62	3.05
0	(+32)	1619	408	474	136	1.80	4.92	11.91	3.00	3.49

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]
-40	(-40)	220	56	65	56	0.83	0.65	3.92	0.99	1.15
-35	(-31)	317	80	93	70	0.99	0.94	4.54	1.14	1.33
-30	(-22)	425	107	125	84	1.15	1.26	5.11	1.29	1.50
-25	(-13)	549	138	161	97	1.32	1.63	5.68	1.43	1.66
-20	(- 4)	692	174	203	111	1.48	2.06	6.27	1.58	1.84
-15	(+ 5)	859	216	252	124	1.64	2.57	6.94	1.75	2.03
-10	(+14)	1053	265	309	136	1.79	3.17	7.72	1.94	2.26
-5	(+23)	1281	323	375	148	1.93	3.87	8.64	2.18	2.53
0	(+32)	1544	389	452	158	2.07	4.69	9.76	2.46	2.86

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@115V3000RPM		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)	532	134	156	105	1.36	1.57	5.08	1.28	1.49	
-35 (-31)	675	170	198	117	1.53	2.00	5.76	1.45	1.69	
-30 (-22)	857	216	251	131	1.71	2.54	6.51	1.64	1.91	
-25 (-13)	1081	272	317	146	1.89	3.21	7.36	1.85	2.16	
-20 (- 4)	1349	340	395	161	2.08	4.02	8.35	2.10	2.45	
-15 (+ 5)	1662	419	487	175	2.25	4.98	9.52	2.40	2.79	
-10 (+14)	2023	510	593	187	2.39	6.09	10.91	2.75	3.20	
-5 (+23)	2434	613	713	195	2.49	7.36	12.55	3.16	3.68	
0 (+32)	2896	730	849	199	2.56	8.81	14.49	3.65	4.25	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V3000RPM		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)	499	126	146	109	1.45	1.47	4.61	1.16	1.35	
-35 (-31)	638	161	187	122	1.63	1.89	5.24	1.32	1.54	
-30 (-22)	817	206	239	139	1.83	2.42	5.89	1.48	1.72	
-25 (-13)	1037	261	304	157	2.05	3.08	6.57	1.66	1.93	
-20 (- 4)	1301	328	381	176	2.27	3.88	7.35	1.85	2.15	
-15 (+ 5)	1609	406	472	194	2.48	4.82	8.24	2.08	2.42	
-10 (+14)	1966	495	576	211	2.67	5.92	9.30	2.34	2.73	
-5 (+23)	2371	598	695	225	2.83	7.17	10.56	2.66	3.09	
0 (+32)	2828	713	829	235	2.95	8.60	12.06	3.04	3.53	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V3000RPM		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)	451	114	132	109	1.44	1.33	4.07	1.03	1.19	
-35 (-31)	587	148	172	125	1.65	1.74	4.73	1.19	1.39	
-30 (-22)	762	192	223	144	1.90	2.26	5.35	1.35	1.57	
-25 (-13)	978	246	286	165	2.16	2.91	5.96	1.50	1.75	
-20 (- 4)	1236	312	362	188	2.43	3.69	6.59	1.66	1.93	
-15 (+ 5)	1540	388	451	211	2.70	4.61	7.29	1.84	2.14	
-10 (+14)	1891	477	554	233	2.96	5.69	8.10	2.04	2.37	
-5 (+23)	2291	577	671	253	3.19	6.93	9.05	2.28	2.65	
0 (+32)	2742	691	803	269	3.39	8.33	10.18	2.57	2.98	

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)	731	184	214	147	1.76	2.16	4.92	1.24	1.44	
-35 (-31)	833	210	244	148	1.86	2.46	5.69	1.43	1.67	
-30 (-22)	1020	257	299	159	2.04	3.02	6.45	1.62	1.89	
-25 (-13)	1285	324	377	176	2.27	3.82	7.26	1.83	2.13	
-20 (- 4)	1622	409	475	197	2.52	4.84	8.17	2.06	2.39	
-15 (+ 5)	2026	510	594	219	2.76	6.07	9.25	2.33	2.71	
-10 (+14)	2488	627	729	237	2.96	7.49	10.56	2.66	3.09	
-5 (+23)	3004	757	880	250	3.09	9.09	12.13	3.06	3.56	
0 (+32)	3567	899	1045	253	3.14	10.84	14.04	3.54	4.11	

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)	635	160	186	145	1.79	1.87	4.37	1.10	1.28	
-35 (-31)	763	192	223	152	1.95	2.26	5.09	1.28	1.49	
-30 (-22)	965	243	283	168	2.18	2.86	5.77	1.45	1.69	
-25 (-13)	1237	312	362	190	2.46	3.68	6.45	1.62	1.89	
-20 (- 4)	1570	396	460	216	2.76	4.69	7.19	1.81	2.11	
-15 (+ 5)	1960	494	574	242	3.04	5.87	8.05	2.03	2.36	
-10 (+14)	2399	604	703	264	3.29	7.22	9.09	2.29	2.66	
-5 (+23)	2881	726	844	280	3.46	8.71	10.35	2.61	3.03	
0 (+32)	3399	857	996	286	3.55	10.33	11.91	3.00	3.49	

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)	571	144	167	145	1.80	1.68	3.90	0.98	1.14	
-35 (-31)	709	179	208	155	2.00	2.10	4.62	1.16	1.35	
-30 (-22)	913	230	268	176	2.28	2.71	5.25	1.32	1.54	
-25 (-13)	1176	296	345	202	2.60	3.50	5.83	1.47	1.71	
-20 (- 4)	1490	376	437	231	2.93	4.45	6.44	1.62	1.89	
-15 (+ 5)	1851	466	542	259	3.25	5.54	7.12	1.79	2.09	
-10 (+14)	2251	567	660	284	3.53	6.77	7.93	2.00	2.32	
-5 (+23)	2685	677	787	301	3.73	8.12	8.93	2.25	2.62	
0 (+32)	3145	793	922	309	3.84	9.56	10.17	2.56	2.98	

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)	728	184	213	157	1.92	2.15	4.64	1.17	1.36
-35	(-31)	1031	260	302	192	2.41	3.05	5.41	1.36	1.59
-30	(-22)	1370	345	402	222	2.81	4.06	6.20	1.56	1.82
-25	(-13)	1750	441	513	249	3.13	5.20	7.05	1.78	2.07
-20	(- 4)	2172	547	636	271	3.39	6.48	8.00	2.02	2.34
-15	(+ 5)	2638	665	773	288	3.59	7.91	9.09	2.29	2.66
-10	(+14)	3151	794	923	302	3.75	9.49	10.38	2.62	3.04
-5	(+23)	3714	936	1088	311	3.86	11.24	11.91	3.00	3.49
0	(+32)	4329	1091	1269	317	3.94	13.16	13.73	3.46	4.02

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)	709	179	208	163	2.04	2.09	4.32	1.09	1.27
-35	(-31)	1019	257	299	203	2.58	3.02	5.01	1.26	1.47
-30	(-22)	1344	339	394	238	3.02	3.99	5.68	1.43	1.66
-25	(-13)	1686	425	494	266	3.37	5.01	6.37	1.61	1.87
-20	(- 4)	2047	516	600	288	3.63	6.11	7.14	1.80	2.09
-15	(+ 5)	2430	612	712	304	3.81	7.28	8.02	2.02	2.35
-10	(+14)	2837	715	831	314	3.92	8.54	9.07	2.28	2.66
-5	(+23)	3271	824	958	317	3.96	9.89	10.32	2.60	3.02
0	(+32)	3734	941	1094	315	3.96	11.35	11.82	2.98	3.46

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)	582	147	170	151	1.93	1.72	3.91	0.99	1.15
-35	(-31)	921	232	270	200	2.56	2.73	4.56	1.15	1.34
-30	(-22)	1251	315	367	240	3.07	3.71	5.16	1.30	1.51
-25	(-13)	1576	397	462	273	3.46	4.69	5.75	1.45	1.68
-20	(- 4)	1897	478	556	297	3.74	5.66	6.38	1.61	1.87
-15	(+ 5)	2217	559	650	313	3.91	6.64	7.09	1.79	2.08
-10	(+14)	2539	640	744	321	4.00	7.63	7.94	2.00	2.33
-5	(+23)	2864	722	839	321	4.01	8.66	8.96	2.26	2.63
0	(+32)	3195	805	936	313	3.94	9.71	10.21	2.57	2.99

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		