

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 - 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	0.2 to 0.3	[kgf/cm ²] (2.84 to 4.27 psig)

C - ELECTRICAL 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	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: @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]
498	125	146	79	1.15	1.48	6.34	1.60	1.86

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]
669	169	196	102	1.44	1.99	6.55	1.65	1.92

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]
860	217	252	133	1.80	2.56	6.49	1.64	1.90

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]
1123	283	329	174	2.30	3.34	6.45	1.63	1.89

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]
1355	341	397	213	2.74	4.03	6.36	1.60	1.86

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]
1767	445	518	284	3.60	5.26	6.22	1.57	1.82

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]	[W/W]
-40	(-40)	251	63	73	49	0.44	0.74	5.09	1.28	1.49
-35	(-31)	330	83	97	54	0.65	0.98	6.07	1.53	1.78
-30	(-22)	423	107	124	60	0.80	1.25	6.99	1.76	2.05
-25	(-13)	531	134	156	67	0.91	1.58	7.93	2.00	2.32
-20	(- 4)	658	166	193	73	0.99	1.96	8.97	2.26	2.63
-15	(+ 5)	809	204	237	80	1.05	2.42	10.20	2.57	2.99
-10	(+14)	985	248	289	85	1.10	2.96	11.69	2.95	3.43
-5	(+23)	1190	300	349	88	1.15	3.60	13.54	3.41	3.97
0	(+32)	1428	360	418	90	1.21	4.34	15.82	3.99	4.63

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]	[W/W]
-40	(-40)	216	54	63	48	0.54	0.64	4.55	1.15	1.33
-35	(-31)	298	75	87	55	0.76	0.88	5.46	1.38	1.60
-30	(-22)	391	98	114	63	0.92	1.16	6.23	1.57	1.82
-25	(-13)	499	126	146	72	1.04	1.48	6.95	1.75	2.04
-20	(- 4)	624	157	183	81	1.13	1.86	7.70	1.94	2.26
-15	(+ 5)	772	194	226	89	1.21	2.31	8.57	2.16	2.51
-10	(+14)	944	238	277	97	1.27	2.84	9.64	2.43	2.82
-5	(+23)	1144	288	335	104	1.34	3.46	10.99	2.77	3.22
0	(+32)	1376	347	403	109	1.43	4.18	12.70	3.20	3.72

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]	[W/W]
-40	(-40)	175	44	51	45	0.56	0.52	3.83	0.96	1.12
-35	(-31)	257	65	75	54	0.79	0.76	4.77	1.20	1.40
-30	(-22)	349	88	102	64	0.97	1.04	5.51	1.39	1.61
-25	(-13)	455	115	133	75	1.11	1.35	6.12	1.54	1.79
-20	(- 4)	578	146	169	87	1.22	1.72	6.71	1.69	1.97
-15	(+ 5)	722	182	211	98	1.32	2.16	7.34	1.85	2.15
-10	(+14)	889	224	260	109	1.41	2.67	8.10	2.04	2.37
-5	(+23)	1083	273	317	119	1.51	3.27	9.07	2.28	2.66
0	(+32)	1307	329	383	127	1.62	3.97	10.33	2.60	3.03

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)	300	76	88	58	0.58	0.89	5.16	1.30	1.51
-35	(-31)	418	105	123	68	0.85	1.24	6.08	1.53	1.78
-30	(-22)	546	138	160	78	1.03	1.62	6.99	1.76	2.05
-25	(-13)	689	174	202	87	1.15	2.05	7.96	2.01	2.33
-20	(- 4)	854	215	250	95	1.23	2.55	9.05	2.28	2.65
-15	(+ 5)	1046	264	306	102	1.28	3.13	10.33	2.60	3.03
-10	(+14)	1272	320	373	108	1.32	3.83	11.87	2.99	3.48
-5	(+23)	1537	387	450	112	1.38	4.65	13.73	3.46	4.02
0	(+32)	1848	466	542	115	1.46	5.62	15.99	4.03	4.68

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)	274	69	80	58	0.69	0.81	4.75	1.20	1.39
-35	(-31)	393	99	115	70	0.98	1.16	5.59	1.41	1.64
-30	(-22)	520	131	152	82	1.18	1.54	6.34	1.60	1.86
-25	(-13)	661	167	194	93	1.32	1.97	7.09	1.79	2.08
-20	(- 4)	823	208	241	104	1.42	2.46	7.89	1.99	2.31
-15	(+ 5)	1012	255	297	114	1.49	3.03	8.81	2.22	2.58
-10	(+14)	1233	311	361	124	1.56	3.71	9.91	2.50	2.91
-5	(+23)	1493	376	438	132	1.63	4.52	11.27	2.84	3.30
0	(+32)	1798	453	527	139	1.74	5.47	12.96	3.26	3.80

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)	232	58	68	57	0.66	0.68	4.08	1.03	1.20
-35	(-31)	350	88	102	70	0.98	1.04	4.96	1.25	1.45
-30	(-22)	475	120	139	84	1.22	1.41	5.68	1.43	1.67
-25	(-13)	614	155	180	98	1.39	1.82	6.33	1.59	1.85
-20	(- 4)	772	195	226	112	1.53	2.30	6.95	1.75	2.04
-15	(+ 5)	956	241	280	125	1.63	2.86	7.63	1.92	2.24
-10	(+14)	1171	295	343	138	1.73	3.52	8.42	2.12	2.47
-5	(+23)	1425	359	418	151	1.84	4.31	9.40	2.37	2.76
0	(+32)	1722	434	505	162	1.99	5.23	10.63	2.68	3.12

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)	524	132	154	106	1.07	1.55	4.98	1.26	1.46
-35	(-31)	697	176	204	119	1.39	2.06	5.85	1.47	1.71
-30	(-22)	900	227	264	133	1.64	2.67	6.70	1.69	1.96
-25	(-13)	1137	287	333	149	1.83	3.38	7.60	1.92	2.23
-20	(- 4)	1414	356	414	164	1.98	4.22	8.61	2.17	2.52
-15	(+ 5)	1737	438	509	178	2.10	5.20	9.78	2.46	2.87
-10	(+14)	2110	532	618	190	2.20	6.35	11.18	2.82	3.28
-5	(+23)	2539	640	744	198	2.31	7.68	12.87	3.24	3.77
0	(+32)	3028	763	887	202	2.43	9.21	14.90	3.76	4.37

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)	506	127	148	110	1.26	1.49	4.63	1.17	1.36
-35	(-31)	671	169	197	124	1.61	1.99	5.42	1.37	1.59
-30	(-22)	866	218	254	141	1.88	2.57	6.15	1.55	1.80
-25	(-13)	1097	276	321	159	2.09	3.26	6.86	1.73	2.01
-20	(- 4)	1367	345	401	179	2.27	4.08	7.62	1.92	2.23
-15	(+ 5)	1683	424	493	197	2.41	5.04	8.50	2.14	2.49
-10	(+14)	2050	517	601	214	2.54	6.17	9.54	2.41	2.80
-5	(+23)	2473	623	725	228	2.67	7.48	10.82	2.73	3.17
0	(+32)	2956	745	866	239	2.82	8.99	12.40	3.12	3.63

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)	459	116	135	111	1.24	1.36	4.10	1.03	1.20
-35	(-31)	619	156	181	127	1.63	1.83	4.91	1.24	1.44
-30	(-22)	809	204	237	146	1.94	2.40	5.60	1.41	1.64
-25	(-13)	1034	261	303	168	2.21	3.07	6.22	1.57	1.82
-20	(- 4)	1300	328	381	191	2.43	3.88	6.84	1.72	2.01
-15	(+ 5)	1612	406	472	214	2.62	4.83	7.52	1.90	2.20
-10	(+14)	1974	498	579	236	2.80	5.94	8.31	2.10	2.44
-5	(+23)	2393	603	701	257	2.98	7.24	9.28	2.34	2.72
0	(+32)	2873	724	842	274	3.17	8.73	10.49	2.64	3.07

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)	627	158	184	127	1.19	1.85	4.94	1.24	1.45	
-35 (-31)	843	212	247	145	1.63	2.50	5.77	1.45	1.69	
-30 (-22)	1092	275	320	165	1.97	3.24	6.60	1.66	1.93	
-25 (-13)	1383	348	405	185	2.22	4.11	7.47	1.88	2.19	
-20 (- 4)	1722	434	505	204	2.41	5.14	8.44	2.13	2.47	
-15 (+ 5)	2119	534	621	222	2.56	6.35	9.56	2.41	2.80	
-10 (+14)	2580	650	756	238	2.68	7.77	10.89	2.74	3.19	
-5 (+23)	3115	785	913	251	2.81	9.42	12.47	3.14	3.66	
0 (+32)	3730	940	1093	259	2.96	11.34	14.37	3.62	4.21	

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)	603	152	177	134	1.46	1.78	4.52	1.14	1.33	
-35 (-31)	809	204	237	153	1.90	2.39	5.30	1.34	1.55	
-30 (-22)	1046	264	307	173	2.24	3.10	6.02	1.52	1.77	
-25 (-13)	1324	334	388	196	2.51	3.94	6.74	1.70	1.98	
-20 (- 4)	1650	416	484	219	2.72	4.92	7.51	1.89	2.20	
-15 (+ 5)	2032	512	595	241	2.89	6.09	8.38	2.11	2.46	
-10 (+14)	2478	624	726	263	3.05	7.46	9.40	2.37	2.75	
-5 (+23)	2996	755	878	282	3.22	9.06	10.63	2.68	3.12	
0 (+32)	3594	906	1053	297	3.41	10.92	12.12	3.05	3.55	

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)	567	143	166	139	1.50	1.67	4.05	1.02	1.19	
-35 (-31)	761	192	223	158	1.96	2.25	4.83	1.22	1.42	
-30 (-22)	985	248	289	181	2.33	2.92	5.50	1.39	1.61	
-25 (-13)	1249	315	366	206	2.63	3.71	6.12	1.54	1.79	
-20 (- 4)	1560	393	457	232	2.89	4.65	6.74	1.70	1.97	
-15 (+ 5)	1926	485	564	260	3.11	5.77	7.40	1.87	2.17	
-10 (+14)	2355	594	690	287	3.33	7.09	8.17	2.06	2.40	
-5 (+23)	2855	720	837	312	3.55	8.63	9.10	2.29	2.67	
0 (+32)	3434	865	1006	336	3.82	10.44	10.24	2.58	3.00	

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)	835	210	245	185	1.48	2.47	4.50	1.13	1.32	
-35 (-31)	1090	275	319	199	2.08	3.23	5.49	1.38	1.61	
-30 (-22)	1400	353	410	220	2.52	4.15	6.36	1.60	1.86	
-25 (-13)	1767	445	518	245	2.84	5.25	7.19	1.81	2.11	
-20 (- 4)	2195	553	643	272	3.08	6.55	8.06	2.03	2.36	
-15 (+ 5)	2687	677	787	297	3.25	8.05	9.03	2.28	2.65	
-10 (+14)	3246	818	951	319	3.39	9.77	10.18	2.57	2.98	
-5 (+23)	3874	976	1135	336	3.53	11.72	11.58	2.92	3.39	
0 (+32)	4575	1153	1341	343	3.69	13.91	13.30	3.35	3.90	

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)	780	197	229	181	1.77	2.30	4.29	1.08	1.26	
-35 (-31)	1048	264	307	202	2.43	3.10	5.19	1.31	1.52	
-30 (-22)	1360	343	399	229	2.93	4.03	5.95	1.50	1.74	
-25 (-13)	1721	434	504	260	3.29	5.12	6.63	1.67	1.94	
-20 (- 4)	2133	538	625	292	3.55	6.36	7.30	1.84	2.14	
-15 (+ 5)	2599	655	762	323	3.74	7.79	8.04	2.03	2.35	
-10 (+14)	3123	787	915	350	3.88	9.40	8.91	2.25	2.61	
-5 (+23)	3706	934	1086	371	4.01	11.21	10.00	2.52	2.93	
0 (+32)	4353	1097	1276	383	4.15	13.23	11.37	2.87	3.33	

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)	658	166	193	173	1.65	1.94	3.82	0.96	1.12	
-35 (-31)	946	238	277	200	2.41	2.80	4.72	1.19	1.38	
-30 (-22)	1269	320	372	234	3.00	3.76	5.43	1.37	1.59	
-25 (-13)	1630	411	478	271	3.44	4.85	6.03	1.52	1.77	
-20 (- 4)	2033	512	596	309	3.77	6.07	6.58	1.66	1.93	
-15 (+ 5)	2481	625	727	346	4.01	7.43	7.16	1.81	2.10	
-10 (+14)	2977	750	872	378	4.20	8.96	7.85	1.98	2.30	
-5 (+23)	3523	888	1032	404	4.36	10.65	8.70	2.19	2.55	
0 (+32)	4123	1039	1208	421	4.52	12.53	9.80	2.47	2.87	

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		