

### 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 - 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)	-	-	-
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 <sup>2</sup> ] (262 psig)	/ °C - °F
9.2 Peak	20.6	[kgf/cm <sup>2</sup> ] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[ °C ]	

### B - MECHANICAL DATA

1 Commercial designation	1/2	[hp]
2 Displacement	6.44	[cm <sup>3</sup> ] (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 <sup>2</sup> ]

### 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	VCC32456SXXX	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	INVERTER VCC3 2456 S	
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	CCC - CE - UKCA	

### D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: <b>@220V1400RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
472	119	138	79	0.64	1.40	5.98	1.51	1.75

TEST CONDITIONS: <b>@220V1800RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
643	162	188	103	0.81	1.91	6.26	1.58	1.83

TEST CONDITIONS: <b>@220V2400RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
851	214	249	136	1.05	2.53	6.28	1.58	1.84

TEST CONDITIONS: <b>@220V3000RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1108	279	325	176	1.33	3.30	6.28	1.58	1.84

TEST CONDITIONS: <b>@220V3600RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1323	333	388	215	1.60	3.94	6.16	1.55	1.81

TEST CONDITIONS: <b>@220V4500RPM</b>			<b>ASHRAELBP32 Fan</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F) 54.4°C (129.92°F)</b>	
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]
1746	440	512	287	2.10	5.20	6.08	1.53	1.78

### 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]	[W/W]
-40	(-40)	272	69	80	50	0.77	0.80	5.47	1.38	1.60
-35	(-31)	333	84	98	54	0.82	0.99	6.12	1.54	1.79
-30	(-22)	416	105	122	61	0.88	1.23	6.83	1.72	2.00
-25	(-13)	521	131	153	68	0.96	1.55	7.65	1.93	2.24
-20	(- 4)	649	164	190	75	1.04	1.94	8.64	2.18	2.53
-15	(+ 5)	801	202	235	82	1.12	2.40	9.86	2.48	2.89
-10	(+14)	977	246	286	87	1.20	2.94	11.34	2.86	3.32
-5	(+23)	1179	297	345	90	1.25	3.57	13.14	3.31	3.85
0	(+32)	1406	354	412	91	1.28	4.28	15.32	3.86	4.49

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]	[W/W]
-40	(-40)	230	58	67	49	0.77	0.68	4.74	1.19	1.39
-35	(-31)	291	73	85	55	0.83	0.86	5.35	1.35	1.57
-30	(-22)	373	94	109	63	0.92	1.11	5.95	1.50	1.74
-25	(-13)	478	120	140	72	1.02	1.42	6.60	1.66	1.93
-20	(- 4)	605	152	177	81	1.13	1.80	7.34	1.85	2.15
-15	(+ 5)	755	190	221	91	1.24	2.26	8.22	2.07	2.41
-10	(+14)	930	234	273	99	1.35	2.80	9.31	2.35	2.73
-5	(+23)	1130	285	331	106	1.44	3.42	10.64	2.68	3.12
0	(+32)	1356	342	397	111	1.51	4.12	12.28	3.09	3.60

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]	[W/W]
-40	(-40)	199	50	58	49	0.75	0.59	3.95	0.99	1.16
-35	(-31)	256	65	75	56	0.83	0.76	4.63	1.17	1.36
-30	(-22)	334	84	98	65	0.94	0.99	5.22	1.32	1.53
-25	(-13)	434	109	127	76	1.07	1.29	5.79	1.46	1.70
-20	(- 4)	557	140	163	88	1.21	1.66	6.37	1.61	1.87
-15	(+ 5)	703	177	206	100	1.35	2.10	7.03	1.77	2.06
-10	(+14)	873	220	256	111	1.49	2.63	7.81	1.97	2.29
-5	(+23)	1068	269	313	121	1.62	3.23	8.78	2.21	2.57
0	(+32)	1288	325	377	129	1.73	3.92	9.97	2.51	2.92

### 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)	306	77	90	60	0.83	0.90	5.09	1.28	1.49
-35	(-31)	411	104	120	70	0.96	1.22	5.84	1.47	1.71
-30	(-22)	531	134	156	79	1.08	1.58	6.68	1.68	1.96
-25	(-13)	672	169	197	88	1.20	2.00	7.62	1.92	2.23
-20	(- 4)	838	211	246	96	1.30	2.50	8.73	2.20	2.56
-15	(+ 5)	1034	261	303	103	1.39	3.10	10.03	2.53	2.94
-10	(+14)	1264	319	370	110	1.47	3.81	11.58	2.92	3.39
-5	(+23)	1533	386	449	115	1.53	4.64	13.40	3.38	3.93
0	(+32)	1846	465	541	118	1.57	5.61	15.54	3.92	4.55

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)	285	72	84	61	0.86	0.84	4.73	1.19	1.39
-35	(-31)	389	98	114	72	1.01	1.15	5.37	1.35	1.57
-30	(-22)	508	128	149	84	1.15	1.51	6.03	1.52	1.77
-25	(-13)	645	162	189	96	1.29	1.92	6.74	1.70	1.97
-20	(- 4)	805	203	236	106	1.42	2.40	7.54	1.90	2.21
-15	(+ 5)	993	250	291	116	1.54	2.97	8.49	2.14	2.49
-10	(+14)	1213	306	356	126	1.65	3.65	9.61	2.42	2.82
-5	(+23)	1471	371	431	134	1.76	4.45	10.94	2.76	3.21
0	(+32)	1770	446	519	142	1.84	5.38	12.54	3.16	3.67

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)	241	61	71	58	0.85	0.71	4.13	1.04	1.21
-35	(-31)	347	87	102	73	1.01	1.03	4.78	1.20	1.40
-30	(-22)	465	117	136	87	1.18	1.38	5.38	1.36	1.58
-25	(-13)	600	151	176	101	1.35	1.78	5.98	1.51	1.75
-20	(- 4)	757	191	222	115	1.51	2.26	6.61	1.66	1.94
-15	(+ 5)	939	237	275	128	1.67	2.81	7.31	1.84	2.14
-10	(+14)	1152	290	338	141	1.83	3.47	8.13	2.05	2.38
-5	(+23)	1400	353	410	153	1.98	4.23	9.10	2.29	2.67
0	(+32)	1689	426	495	165	2.12	5.13	10.27	2.59	3.01

### 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)	556	140	163	108	1.40	1.64	5.16	1.30	1.51
-35	(-31)	705	178	207	120	1.58	2.09	5.85	1.48	1.72
-30	(-22)	895	226	262	135	1.77	2.66	6.61	1.67	1.94
-25	(-13)	1129	285	331	150	1.96	3.36	7.48	1.88	2.19
-20	(- 4)	1409	355	413	166	2.14	4.20	8.48	2.14	2.49
-15	(+ 5)	1736	437	509	180	2.31	5.20	9.67	2.44	2.83
-10	(+14)	2113	532	619	192	2.46	6.36	11.09	2.79	3.25
-5	(+23)	2542	641	745	200	2.57	7.69	12.76	3.21	3.74
0	(+32)	3025	762	886	204	2.64	9.20	14.73	3.71	4.32

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)	521	131	153	112	1.49	1.54	4.68	1.18	1.37
-35	(-31)	667	168	195	126	1.69	1.97	5.33	1.34	1.56
-30	(-22)	853	215	250	143	1.90	2.53	5.98	1.51	1.75
-25	(-13)	1083	273	317	161	2.12	3.22	6.68	1.68	1.96
-20	(- 4)	1359	342	398	181	2.34	4.05	7.47	1.88	2.19
-15	(+ 5)	1681	424	493	200	2.55	5.04	8.38	2.11	2.45
-10	(+14)	2053	517	602	217	2.74	6.18	9.45	2.38	2.77
-5	(+23)	2477	624	726	231	2.91	7.49	10.73	2.70	3.14
0	(+32)	2954	744	866	242	3.05	8.98	12.25	3.09	3.59

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)	471	119	138	113	1.49	1.39	4.13	1.04	1.21
-35	(-31)	613	154	180	128	1.71	1.81	4.81	1.21	1.41
-30	(-22)	796	200	233	148	1.96	2.36	5.44	1.37	1.59
-25	(-13)	1021	257	299	170	2.22	3.04	6.05	1.53	1.77
-20	(- 4)	1291	325	378	193	2.49	3.85	6.70	1.69	1.96
-15	(+ 5)	1609	405	471	217	2.76	4.82	7.41	1.87	2.17
-10	(+14)	1975	498	579	239	3.01	5.94	8.23	2.07	2.41
-5	(+23)	2393	603	701	260	3.25	7.24	9.20	2.32	2.69
0	(+32)	2864	722	839	277	3.46	8.71	10.35	2.61	3.03

### 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)	757	191	222	150	1.80	2.24	5.01	1.26	1.47
-35	(-31)	863	217	253	151	1.90	2.55	5.79	1.46	1.70
-30	(-22)	1056	266	310	162	2.09	3.13	6.56	1.65	1.92
-25	(-13)	1331	335	390	179	2.32	3.96	7.38	1.86	2.16
-20	(- 4)	1681	424	493	201	2.57	5.02	8.31	2.10	2.44
-15	(+ 5)	2099	529	615	223	2.82	6.29	9.41	2.37	2.76
-10	(+14)	2578	650	755	242	3.02	7.76	10.74	2.71	3.15
-5	(+23)	3112	784	912	254	3.16	9.41	12.34	3.11	3.62
0	(+32)	3695	931	1083	257	3.21	11.23	14.28	3.60	4.18

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)	658	166	193	148	1.83	1.94	4.44	1.12	1.30
-35	(-31)	790	199	232	154	1.99	2.34	5.18	1.31	1.52
-30	(-22)	1000	252	293	171	2.23	2.97	5.86	1.48	1.72
-25	(-13)	1281	323	375	194	2.51	3.81	6.56	1.65	1.92
-20	(- 4)	1627	410	477	220	2.82	4.85	7.31	1.84	2.14
-15	(+ 5)	2030	512	595	246	3.11	6.08	8.19	2.06	2.40
-10	(+14)	2485	626	728	269	3.36	7.48	9.24	2.33	2.71
-5	(+23)	2984	752	874	285	3.54	9.02	10.53	2.65	3.09
0	(+32)	3522	887	1032	291	3.63	10.70	12.11	3.05	3.55

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)	591	149	173	147	1.84	1.74	3.96	1.00	1.16
-35	(-31)	735	185	215	158	2.05	2.17	4.70	1.18	1.38
-30	(-22)	946	238	277	179	2.33	2.81	5.34	1.34	1.56
-25	(-13)	1218	307	357	206	2.65	3.62	5.94	1.50	1.74
-20	(- 4)	1544	389	452	235	2.99	4.61	6.55	1.65	1.92
-15	(+ 5)	1918	483	562	264	3.32	5.74	7.24	1.83	2.12
-10	(+14)	2332	588	683	289	3.60	7.02	8.07	2.03	2.36
-5	(+23)	2781	701	815	307	3.82	8.41	9.08	2.29	2.66
0	(+32)	3258	821	955	314	3.93	9.90	10.34	2.61	3.03

### 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]	[W/W]
-40	(-40)	747	188	219	159	1.95	2.21	4.67	1.18	1.37
-35	(-31)	1057	266	310	195	2.44	3.13	5.46	1.38	1.60
-30	(-22)	1406	354	412	226	2.84	4.17	6.26	1.58	1.83
-25	(-13)	1795	452	526	253	3.17	5.34	7.11	1.79	2.08
-20	(- 4)	2227	561	653	275	3.43	6.65	8.06	2.03	2.36
-15	(+ 5)	2706	682	793	293	3.64	8.11	9.17	2.31	2.69
-10	(+14)	3233	815	947	307	3.80	9.73	10.47	2.64	3.07
-5	(+23)	3810	960	1116	317	3.92	11.53	12.01	3.03	3.52
0	(+32)	4441	1119	1301	322	4.00	13.50	13.84	3.49	4.05

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]	[W/W]
-40	(-40)	727	183	213	165	2.07	2.15	4.36	1.10	1.28
-35	(-31)	1045	263	306	207	2.62	3.09	5.05	1.27	1.48
-30	(-22)	1379	347	404	242	3.07	4.09	5.73	1.44	1.68
-25	(-13)	1729	436	507	271	3.42	5.14	6.43	1.62	1.88
-20	(- 4)	2100	529	615	293	3.68	6.26	7.20	1.81	2.11
-15	(+ 5)	2492	628	730	309	3.86	7.47	8.09	2.04	2.37
-10	(+14)	2910	733	853	319	3.97	8.76	9.14	2.30	2.68
-5	(+23)	3355	845	983	323	4.02	10.15	10.40	2.62	3.05
0	(+32)	3830	965	1122	320	4.02	11.64	11.92	3.00	3.49

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]	[W/W]
-40	(-40)	597	150	175	154	1.96	1.76	3.95	0.99	1.16
-35	(-31)	945	238	277	203	2.60	2.80	4.60	1.16	1.35
-30	(-22)	1284	323	376	245	3.11	3.81	5.20	1.31	1.52
-25	(-13)	1617	407	474	278	3.51	4.81	5.79	1.46	1.70
-20	(- 4)	1946	490	570	302	3.79	5.81	6.43	1.62	1.88
-15	(+ 5)	2274	573	666	318	3.97	6.81	7.15	1.80	2.09
-10	(+14)	2604	656	763	326	4.06	7.83	8.00	2.02	2.35
-5	(+23)	2937	740	861	326	4.07	8.88	9.04	2.28	2.65
0	(+32)	3277	826	960	318	4.00	9.96	10.29	2.59	3.02

### 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		