

### 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	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: <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]
429	108	126	77	0.55	1.28	5.60	1.41	1.64

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]
590	149	173	101	0.66	1.76	5.83	1.47	1.71

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]
777	196	228	131	0.91	2.31	5.94	1.50	1.74

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]
1054	266	309	172	1.16	3.14	6.11	1.54	1.79

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]
1271	320	372	210	1.41	3.78	6.04	1.52	1.77

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]
1666	420	488	279	1.81	4.96	5.96	1.50	1.75

### 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)	245	62	72	48	0.38	0.72	5.12	1.29	1.50
-35	(-31)	300	76	88	52	0.41	0.89	5.72	1.44	1.68
-30	(-22)	375	95	110	58	0.44	1.11	6.39	1.61	1.87
-25	(-13)	470	118	138	65	0.48	1.40	7.16	1.80	2.10
-20	(- 4)	585	148	172	72	0.52	1.75	8.08	2.04	2.37
-15	(+ 5)	722	182	212	79	0.56	2.16	9.21	2.32	2.70
-10	(+14)	881	222	258	84	0.59	2.65	10.60	2.67	3.11
-5	(+23)	1063	268	311	87	0.62	3.22	12.28	3.10	3.60
0	(+32)	1268	320	372	88	0.63	3.86	14.32	3.61	4.20

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)	208	52	61	47	0.38	0.61	4.42	1.12	1.30
-35	(-31)	262	66	77	53	0.41	0.78	5.00	1.26	1.46
-30	(-22)	337	85	99	60	0.46	1.00	5.56	1.40	1.63
-25	(-13)	431	109	126	69	0.51	1.28	6.17	1.55	1.81
-20	(- 4)	545	137	160	79	0.56	1.63	6.86	1.73	2.01
-15	(+ 5)	681	172	200	88	0.61	2.04	7.68	1.94	2.25
-10	(+14)	839	211	246	96	0.66	2.52	8.70	2.19	2.55
-5	(+23)	1019	257	299	103	0.71	3.08	9.94	2.51	2.91
0	(+32)	1223	308	358	107	0.75	3.72	11.47	2.89	3.36

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)	179	45	53	48	0.38	0.53	3.69	0.93	1.08
-35	(-31)	231	58	68	54	0.42	0.68	4.32	1.09	1.27
-30	(-22)	301	76	88	63	0.47	0.89	4.88	1.23	1.43
-25	(-13)	392	99	115	73	0.53	1.16	5.41	1.36	1.59
-20	(- 4)	502	127	147	85	0.60	1.50	5.96	1.50	1.75
-15	(+ 5)	634	160	186	96	0.67	1.90	6.57	1.66	1.93
-10	(+14)	787	198	231	107	0.74	2.37	7.31	1.84	2.14
-5	(+23)	963	243	282	117	0.80	2.91	8.20	2.07	2.40
0	(+32)	1162	293	340	125	0.86	3.53	9.32	2.35	2.73

### 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)	276	70	81	58	0.39	0.82	4.78	1.21	1.40
-35	(-31)	371	93	109	67	0.45	1.10	5.50	1.38	1.61
-30	(-22)	480	121	141	76	0.51	1.42	6.28	1.58	1.84
-25	(-13)	607	153	178	85	0.57	1.81	7.17	1.81	2.10
-20	(- 4)	757	191	222	92	0.62	2.26	8.21	2.07	2.41
-15	(+ 5)	934	235	274	99	0.66	2.80	9.44	2.38	2.76
-10	(+14)	1141	288	334	105	0.69	3.44	10.89	2.74	3.19
-5	(+23)	1384	349	406	110	0.72	4.19	12.60	3.18	3.69
0	(+32)	1667	420	488	114	0.74	5.07	14.61	3.68	4.28

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)	257	65	75	58	0.41	0.76	4.45	1.12	1.30
-35	(-31)	352	89	103	70	0.48	1.04	5.05	1.27	1.48
-30	(-22)	458	116	134	81	0.55	1.36	5.67	1.43	1.66
-25	(-13)	582	147	171	92	0.61	1.73	6.33	1.60	1.86
-20	(- 4)	727	183	213	102	0.67	2.17	7.09	1.79	2.08
-15	(+ 5)	896	226	263	112	0.73	2.68	7.98	2.01	2.34
-10	(+14)	1095	276	321	121	0.78	3.30	9.03	2.28	2.65
-5	(+23)	1328	335	389	129	0.83	4.02	10.29	2.59	3.01
0	(+32)	1598	403	468	136	0.87	4.86	11.79	2.97	3.45

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)	217	55	64	56	0.40	0.64	3.88	0.98	1.14
-35	(-31)	313	79	92	70	0.48	0.93	4.49	1.13	1.32
-30	(-22)	420	106	123	83	0.56	1.25	5.06	1.28	1.48
-25	(-13)	542	137	159	97	0.64	1.61	5.62	1.42	1.65
-20	(- 4)	683	172	200	110	0.71	2.04	6.21	1.57	1.82
-15	(+ 5)	848	214	248	123	0.79	2.54	6.87	1.73	2.01
-10	(+14)	1040	262	305	136	0.86	3.13	7.64	1.93	2.24
-5	(+23)	1264	319	370	147	0.93	3.82	8.56	2.16	2.51
0	(+32)	1525	384	447	158	1.00	4.63	9.66	2.43	2.83

### 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]
-40	(-40)	527	133	154	105	0.70	1.56	5.02	1.27	1.47
-35	(-31)	668	168	196	117	0.79	1.98	5.70	1.44	1.67
-30	(-22)	848	214	249	131	0.88	2.52	6.44	1.62	1.89
-25	(-13)	1070	270	314	146	0.98	3.18	7.28	1.83	2.13
-20	(- 4)	1335	336	391	161	1.07	3.98	8.26	2.08	2.42
-15	(+ 5)	1645	415	482	175	1.16	4.93	9.42	2.37	2.76
-10	(+14)	2003	505	587	187	1.24	6.03	10.79	2.72	3.16
-5	(+23)	2409	607	706	195	1.29	7.29	12.42	3.13	3.64
0	(+32)	2867	723	840	199	1.33	8.72	14.34	3.61	4.20

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]
-40	(-40)	494	124	145	109	0.75	1.46	4.56	1.15	1.34
-35	(-31)	632	159	185	122	0.84	1.87	5.19	1.31	1.52
-30	(-22)	809	204	237	139	0.95	2.40	5.83	1.47	1.71
-25	(-13)	1027	259	301	157	1.06	3.05	6.51	1.64	1.91
-20	(- 4)	1288	324	377	176	1.17	3.84	7.27	1.83	2.13
-15	(+ 5)	1593	402	467	194	1.28	4.77	8.16	2.06	2.39
-10	(+14)	1946	490	570	211	1.38	5.86	9.20	2.32	2.70
-5	(+23)	2347	592	688	225	1.46	7.10	10.45	2.63	3.06
0	(+32)	2800	706	820	235	1.53	8.51	11.93	3.01	3.50

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]
-40	(-40)	446	113	131	110	0.75	1.32	4.02	1.01	1.18
-35	(-31)	581	146	170	125	0.86	1.72	4.68	1.18	1.37
-30	(-22)	754	190	221	144	0.98	2.24	5.29	1.33	1.55
-25	(-13)	968	244	284	165	1.12	2.88	5.89	1.49	1.73
-20	(- 4)	1224	308	359	188	1.26	3.65	6.52	1.64	1.91
-15	(+ 5)	1525	384	447	211	1.40	4.57	7.22	1.82	2.11
-10	(+14)	1872	472	549	233	1.53	5.63	8.01	2.02	2.35
-5	(+23)	2268	572	665	253	1.65	6.86	8.96	2.26	2.62
0	(+32)	2715	684	795	270	1.76	8.25	10.08	2.54	2.95

### 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)	725	183	212	147	0.92	2.14	4.90	1.23	1.43
-35	(-31)	826	208	242	148	0.97	2.44	5.66	1.43	1.66
-30	(-22)	1011	255	296	158	1.07	3.00	6.41	1.62	1.88
-25	(-13)	1274	321	373	176	1.19	3.79	7.22	1.82	2.11
-20	(- 4)	1609	405	471	197	1.32	4.80	8.13	2.05	2.38
-15	(+ 5)	2009	506	589	218	1.44	6.02	9.20	2.32	2.70
-10	(+14)	2467	622	723	237	1.54	7.43	10.50	2.64	3.08
-5	(+23)	2979	751	873	249	1.61	9.01	12.06	3.04	3.53
0	(+32)	3537	891	1036	252	1.64	10.75	13.96	3.52	4.09

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)	629	159	184	145	0.93	1.86	4.34	1.09	1.27
-35	(-31)	756	191	222	151	1.02	2.24	5.06	1.28	1.48
-30	(-22)	957	241	281	167	1.14	2.84	5.73	1.44	1.68
-25	(-13)	1226	309	359	190	1.28	3.65	6.41	1.62	1.88
-20	(- 4)	1557	392	456	215	1.44	4.65	7.15	1.80	2.09
-15	(+ 5)	1943	490	569	241	1.59	5.82	8.00	2.02	2.35
-10	(+14)	2378	599	697	263	1.72	7.16	9.03	2.28	2.65
-5	(+23)	2856	720	837	279	1.81	8.64	10.29	2.59	3.02
0	(+32)	3371	849	988	285	1.85	10.25	11.84	2.98	3.47

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)	566	143	166	144	0.94	1.67	3.87	0.98	1.14
-35	(-31)	703	177	206	155	1.05	2.08	4.59	1.16	1.35
-30	(-22)	906	228	265	175	1.19	2.69	5.22	1.31	1.53
-25	(-13)	1166	294	342	201	1.36	3.47	5.80	1.46	1.70
-20	(- 4)	1478	372	433	230	1.53	4.41	6.41	1.61	1.88
-15	(+ 5)	1835	463	538	258	1.70	5.50	7.08	1.78	2.08
-10	(+14)	2232	563	654	283	1.84	6.72	7.89	1.99	2.31
-5	(+23)	2662	671	780	301	1.95	8.05	8.88	2.24	2.60
0	(+32)	3118	786	914	308	2.01	9.48	10.11	2.55	2.96

### E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 35°C (+95°F))					
@220V4500RPM		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)	716	180	210	155	0.98	2.12	4.60	1.16	1.35	
-35 (-31)	1014	255	297	190	1.22	3.00	5.37	1.35	1.57	
-30 (-22)	1348	340	395	220	1.42	3.99	6.15	1.55	1.80	
-25 (-13)	1721	434	504	246	1.59	5.12	6.99	1.76	2.05	
-20 (- 4)	2136	538	626	268	1.72	6.37	7.93	2.00	2.32	
-15 (+ 5)	2594	654	760	286	1.83	7.78	9.02	2.27	2.64	
-10 (+14)	3099	781	908	299	1.91	9.33	10.30	2.59	3.02	
-5 (+23)	3653	921	1070	309	1.97	11.05	11.81	2.98	3.46	
0 (+32)	4258	1073	1248	314	2.01	12.94	13.61	3.43	3.99	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@220V4500RPM		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)	697	176	204	161	1.04	2.06	4.28	1.08	1.26	
-35 (-31)	1002	253	294	202	1.31	2.97	4.97	1.25	1.46	
-30 (-22)	1322	333	387	236	1.54	3.92	5.63	1.42	1.65	
-25 (-13)	1658	418	486	264	1.71	4.93	6.32	1.59	1.85	
-20 (- 4)	2013	507	590	286	1.84	6.01	7.08	1.78	2.07	
-15 (+ 5)	2390	602	700	301	1.94	7.16	7.95	2.00	2.33	
-10 (+14)	2790	703	818	311	2.00	8.39	8.99	2.27	2.63	
-5 (+23)	3217	811	943	315	2.02	9.73	10.23	2.58	3.00	
0 (+32)	3672	925	1076	312	2.02	11.16	11.73	2.95	3.44	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@220V4500RPM		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)	572	144	168	150	0.98	1.69	3.88	0.98	1.14	
-35 (-31)	906	228	265	198	1.30	2.68	4.52	1.14	1.32	
-30 (-22)	1231	310	361	238	1.56	3.65	5.11	1.29	1.50	
-25 (-13)	1550	391	454	271	1.76	4.61	5.70	1.44	1.67	
-20 (- 4)	1866	470	547	295	1.90	5.57	6.32	1.59	1.85	
-15 (+ 5)	2180	549	639	310	1.99	6.53	7.03	1.77	2.06	
-10 (+14)	2497	629	732	318	2.04	7.51	7.87	1.98	2.31	
-5 (+23)	2816	710	825	318	2.04	8.51	8.89	2.24	2.60	
0 (+32)	3142	792	921	310	2.01	9.55	10.12	2.55	2.97	

### 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		