

COMPRESSOR DEFINITION

Designation	VEG T8H
Nominal Voltage/Frequency	230 V 53-150 Hz
Engineering Number	513800022

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-134a		
3 Nominal voltage and frequency	230 / 53-150	[V / Hz]	
4 Application type	Low Back Pressure		
4.1 Evaporating temperature range	-35°C to -10°C	(-31°F to 14°F)	
5 Motor type	BPM		
6 Starting torque	LST - Low Starting Torque		
7 Expansion device	Capillary tube		
8 Compressor cooling		Operating voltage range	
		50 Hz	60 Hz
8.1 LBP (32°C Ambient temperature)	Static	103 to 140 V	103 to 140 V
8.2 LBP (43°C Ambient temperature)	Static	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	14.2	[kgf/cm ²] (202 psig)	/ °C - °F
9.2 Peak	15.9	[kgf/cm ²] (226 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1/4	[hp]
2 Displacement	7.95	[cm ³] (0.485 cu.in)
2.1 Bore [mm]	22.500	
2.2 Stroke [mm]	20.000	
3 Lubricant charge	430	[ml] (14.54 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO10	
4 Weight (with oil charge)	11.15	[kg] (24.58 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 53-150 Hz 3 ~ (Three phase)	
2 Starting device type	Inverter	
2.1 Starting device	VCC31156XXXX	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	VCC31156XXXXX	
6 Start winding resistance	6.40	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	6.40	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (50/60 Hz)	3.30	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (50/60 Hz)	3.30	[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 - UKCA - UL	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V1600RPM			ASHRAELBP32 Static		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]
412	104	121	74	0.96	2.34	5.57	1.40	1.63

TEST CONDITIONS: @115V2000RPM			ASHRAELBP32 Static		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]
530	134	155	94	1.17	3.01	5.67	1.43	1.66

TEST CONDITIONS: @115V2250RPM			ASHRAELBP32 Static		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]
558	141	164	97	1.22	3.17	5.74	1.45	1.68

TEST CONDITIONS: @115V2500RPM			ASHRAELBP32 Static		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]
681	172	200	121	1.46	3.87	5.65	1.42	1.66

TEST CONDITIONS: @115V3000RPM			ASHRAELBP32 Static		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]
833	210	244	149	1.81	4.73	5.58	1.41	1.64

TEST CONDITIONS: @115V4000RPM			ASHRAELBP32 Static		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]
1052	265	308	200	2.38	5.98	5.25	1.32	1.54

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @115V4500RPM			ASHRAELBP32 Static		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]
1108	279	325	213	2.52	6.30	5.21	1.31	1.53

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V1600RPM			ASHRAE32 Static		(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]
-35 (-31)	220	55	64	45	0.62	1.25	4.92	1.24	1.44
-30 (-22)	303	76	89	55	0.79	1.72	5.51	1.39	1.61
-25 (-13)	408	103	119	65	0.95	2.32	6.25	1.58	1.83
-20 (- 4)	540	136	158	76	1.09	3.07	7.15	1.80	2.09
-15 (+ 5)	704	178	206	86	1.23	4.02	8.19	2.06	2.40
-10 (+14)	905	228	265	97	1.37	5.19	9.38	2.36	2.75

TEST CONDITIONS: @115V1600RPM			ASHRAE32 Static		(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]
-35 (-31)	186	47	55	46	0.65	1.05	4.12	1.04	1.21
-30 (-22)	266	67	78	57	0.84	1.51	4.65	1.17	1.36
-25 (-13)	369	93	108	69	1.01	2.09	5.29	1.33	1.55
-20 (- 4)	499	126	146	82	1.17	2.84	6.05	1.52	1.77
-15 (+ 5)	661	167	194	95	1.33	3.77	6.92	1.74	2.03
-10 (+14)	859	217	252	109	1.50	4.92	7.89	1.99	2.31

TEST CONDITIONS: @115V1600RPM			ASHRAE32 Static		(Condensing temperature 65°C (+149°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]
-35 (-31)	158	40	46	43	0.60	0.89	3.66	0.92	1.07
-30 (-22)	230	58	67	56	0.81	1.30	4.14	1.04	1.21
-25 (-13)	324	82	95	69	1.01	1.84	4.69	1.18	1.38
-20 (- 4)	446	112	131	84	1.20	2.54	5.32	1.34	1.56
-15 (+ 5)	600	151	176	100	1.39	3.42	6.02	1.52	1.76
-10 (+14)	790	199	232	116	1.59	4.53	6.79	1.71	1.99

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V2000RPM		ASHRAE32 Static			(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]
-35	(-31)	274	69	80	58	0.84	1.55	4.74	1.20	1.39
-30	(-22)	381	96	112	70	1.01	2.16	5.43	1.37	1.59
-25	(-13)	521	131	153	83	1.20	2.96	6.25	1.57	1.83
-20	(- 4)	694	175	203	96	1.39	3.95	7.18	1.81	2.10
-15	(+ 5)	894	225	262	109	1.58	5.10	8.20	2.07	2.40
-10	(+14)	1119	282	328	121	1.75	6.41	9.27	2.34	2.72

TEST CONDITIONS: @115V2000RPM		ASHRAE32 Static			(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]
-35	(-31)	264	67	77	59	0.84	1.50	4.43	1.12	1.30
-30	(-22)	355	89	104	73	1.07	2.01	4.90	1.23	1.43
-25	(-13)	478	120	140	88	1.31	2.71	5.49	1.38	1.61
-20	(- 4)	631	159	185	103	1.53	3.59	6.17	1.56	1.81
-15	(+ 5)	811	204	238	118	1.73	4.63	6.93	1.75	2.03
-10	(+14)	1015	256	298	132	1.89	5.82	7.72	1.95	2.26

TEST CONDITIONS: @115V2000RPM		ASHRAE32 Static			(Condensing temperature 65°C (+149°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]
-35	(-31)	205	52	60	55	0.80	1.16	3.73	0.94	1.09
-30	(-22)	303	76	89	72	1.08	1.72	4.22	1.06	1.24
-25	(-13)	433	109	127	89	1.34	2.46	4.82	1.21	1.41
-20	(- 4)	591	149	173	107	1.57	3.36	5.50	1.38	1.61
-15	(+ 5)	775	195	227	124	1.76	4.42	6.22	1.57	1.82
-10	(+14)	981	247	288	141	1.90	5.62	6.97	1.76	2.04

TEST CONDITIONS: @115V2250RPM		ASHRAE32 Static			(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]
-35	(-31)	319	80	93	61	0.97	1.80	5.21	1.31	1.53
-30	(-22)	424	107	124	74	1.20	2.40	5.72	1.44	1.67
-25	(-13)	552	139	162	87	1.40	3.13	6.38	1.61	1.87
-20	(- 4)	707	178	207	98	1.57	4.02	7.19	1.81	2.11
-15	(+ 5)	892	225	261	109	1.73	5.09	8.14	2.05	2.39
-10	(+14)	1112	280	326	120	1.88	6.37	9.23	2.33	2.71

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V2250RPM		ASHRAE32 Static			(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]
-35 (-31)	288	73	84	63	0.99	1.63	4.57	1.15	1.34	
-30 (-22)	388	98	114	78	1.26	2.20	5.00	1.26	1.46	
-25 (-13)	509	128	149	92	1.49	2.89	5.55	1.40	1.63	
-20 (- 4)	656	165	192	105	1.69	3.73	6.23	1.57	1.82	
-15 (+ 5)	833	210	244	119	1.87	4.75	7.01	1.77	2.06	
-10 (+14)	1044	263	306	132	2.04	5.98	7.91	1.99	2.32	

TEST CONDITIONS: @115V2250RPM		ASHRAE32 Static			(Condensing temperature 65°C (+149°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]
-35 (-31)	230	58	67	60	0.95	1.30	3.87	0.97	1.13	
-30 (-22)	329	83	96	76	1.26	1.86	4.30	1.08	1.26	
-25 (-13)	449	113	132	93	1.52	2.55	4.83	1.22	1.42	
-20 (- 4)	594	150	174	109	1.76	3.38	5.45	1.37	1.60	
-15 (+ 5)	769	194	225	125	1.97	4.39	6.16	1.55	1.80	
-10 (+14)	977	246	286	141	2.17	5.60	6.94	1.75	2.03	

TEST CONDITIONS: @115V2500RPM		ASHRAE32 Static			(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]
-35 (-31)	373	94	109	78	1.13	2.11	4.80	1.21	1.41	
-30 (-22)	497	125	146	91	1.35	2.82	5.47	1.38	1.60	
-25 (-13)	663	167	194	107	1.57	3.76	6.21	1.57	1.82	
-20 (- 4)	873	220	256	124	1.81	4.97	7.03	1.77	2.06	
-15 (+ 5)	1129	285	331	143	2.05	6.45	7.93	2.00	2.32	
-10 (+14)	1436	362	421	161	2.28	8.23	8.95	2.25	2.62	

TEST CONDITIONS: @115V2500RPM		ASHRAE32 Static			(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]
-35 (-31)	324	82	95	77	1.13	1.83	4.21	1.06	1.23	
-30 (-22)	449	113	132	94	1.39	2.55	4.79	1.21	1.40	
-25 (-13)	614	155	180	113	1.65	3.48	5.43	1.37	1.59	
-20 (- 4)	821	207	241	134	1.93	4.67	6.13	1.54	1.80	
-15 (+ 5)	1074	271	315	155	2.20	6.13	6.91	1.74	2.03	
-10 (+14)	1375	347	403	176	2.47	7.88	7.80	1.96	2.28	

E - PERFORMANCE - CURVES

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 65°C (+149°F))					
@115V2500RPM		Static								
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]	
-35 (-31)	273	69	80	74	1.08	1.54	3.70	0.93	1.08	
-30 (-22)	390	98	114	93	1.37	2.21	4.22	1.06	1.24	
-25 (-13)	545	137	160	114	1.68	3.10	4.78	1.20	1.40	
-20 (- 4)	742	187	217	137	1.99	4.22	5.40	1.36	1.58	
-15 (+ 5)	983	248	288	161	2.30	5.61	6.10	1.54	1.79	
-10 (+14)	1271	320	372	185	2.61	7.28	6.88	1.73	2.02	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 45°C (+113°F))					
@115V3000RPM		Static								
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]	
-35 (-31)	460	116	135	96	1.28	2.60	4.80	1.21	1.41	
-30 (-22)	617	155	181	115	1.60	3.50	5.38	1.36	1.58	
-25 (-13)	817	206	239	134	1.89	4.64	6.08	1.53	1.78	
-20 (- 4)	1065	268	312	155	2.16	6.06	6.88	1.73	2.02	
-15 (+ 5)	1363	343	399	175	2.40	7.78	7.79	1.96	2.28	
-10 (+14)	1715	432	502	195	2.62	9.82	8.77	2.21	2.57	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 55°C (+131°F))					
@115V3000RPM		Static								
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]	
-35 (-31)	394	99	115	93	1.33	2.23	4.23	1.07	1.24	
-30 (-22)	550	138	161	116	1.65	3.11	4.77	1.20	1.40	
-25 (-13)	750	189	220	139	1.95	4.26	5.40	1.36	1.58	
-20 (- 4)	999	252	293	163	2.22	5.68	6.12	1.54	1.79	
-15 (+ 5)	1299	327	381	188	2.47	7.42	6.90	1.74	2.02	
-10 (+14)	1655	417	485	214	2.71	9.48	7.74	1.95	2.27	

TEST CONDITIONS:		ASHRAE32			(Condensing temperature 65°C (+149°F))					
@115V3000RPM		Static								
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]	
-35 (-31)	301	76	88	85	1.15	1.70	3.56	0.90	1.04	
-30 (-22)	459	116	134	111	1.56	2.60	4.14	1.04	1.21	
-25 (-13)	662	167	194	138	1.94	3.76	4.78	1.20	1.40	
-20 (- 4)	915	230	268	167	2.31	5.20	5.48	1.38	1.60	
-15 (+ 5)	1219	307	357	196	2.66	6.96	6.21	1.57	1.82	
-10 (+14)	1580	398	463	227	2.99	9.05	6.97	1.76	2.04	

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4000RPM		ASHRAE32 Static			(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]
-35	(-31)	565	142	166	122	1.53	3.20	4.64	1.17	1.36
-30	(-22)	779	196	228	148	1.86	4.41	5.24	1.32	1.54
-25	(-13)	1038	262	304	176	2.19	5.90	5.91	1.49	1.73
-20	(- 4)	1351	340	396	203	2.52	7.69	6.65	1.68	1.95
-15	(+ 5)	1725	435	505	231	2.84	9.85	7.48	1.89	2.19
-10	(+14)	2166	546	635	257	3.15	12.41	8.42	2.12	2.47

TEST CONDITIONS: @115V4000RPM		ASHRAE32 Static			(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]
-35	(-31)	501	126	147	121	1.51	2.83	4.13	1.04	1.21
-30	(-22)	701	177	206	150	1.87	3.98	4.67	1.18	1.37
-25	(-13)	949	239	278	181	2.23	5.39	5.26	1.33	1.54
-20	(- 4)	1251	315	367	211	2.60	7.12	5.92	1.49	1.74
-15	(+ 5)	1616	407	474	243	2.96	9.22	6.67	1.68	1.95
-10	(+14)	2051	517	601	273	3.31	11.75	7.50	1.89	2.20

TEST CONDITIONS: @115V4000RPM		ASHRAE32 Static			(Condensing temperature 65°C (+149°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]
-35	(-31)	412	104	121	114	1.43	2.33	3.62	0.91	1.06
-30	(-22)	606	153	178	146	1.83	3.43	4.15	1.05	1.22
-25	(-13)	849	214	249	180	2.24	4.82	4.73	1.19	1.39
-20	(- 4)	1148	289	336	214	2.65	6.53	5.36	1.35	1.57
-15	(+ 5)	1511	381	443	249	3.06	8.63	6.05	1.53	1.77
-10	(+14)	1946	490	570	284	3.47	11.15	6.84	1.72	2.00

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Static			(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]
-35	(-31)	602	152	176	133	1.64	3.40	4.54	1.14	1.33
-30	(-22)	840	212	246	162	2.17	4.76	5.17	1.30	1.52
-25	(-13)	1090	275	319	187	2.59	6.19	5.84	1.47	1.71
-20	(- 4)	1377	347	404	210	2.88	7.84	6.56	1.65	1.92
-15	(+ 5)	1726	435	506	234	2.98	9.85	7.38	1.86	2.16
-10	(+14)	2160	544	633	259	2.86	12.38	8.32	2.10	2.44

E - PERFORMANCE - CURVES

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Static			(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]
-35	(-31)	549	138	161	135	1.94	3.11	4.05	1.02	1.19
-30	(-22)	774	195	227	167	2.30	4.39	4.61	1.16	1.35
-25	(-13)	1011	255	296	195	2.64	5.74	5.19	1.31	1.52
-20	(- 4)	1283	323	376	222	2.91	7.30	5.82	1.47	1.71
-15	(+ 5)	1617	408	474	248	3.07	9.23	6.53	1.64	1.91
-10	(+14)	2036	513	597	276	3.07	11.67	7.35	1.85	2.15

TEST CONDITIONS: @115V4500RPM		ASHRAE32 Static			(Condensing temperature 65°C (+149°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]
-35	(-31)	435	110	127	123	1.63	2.46	3.54	0.89	1.04
-30	(-22)	663	167	194	160	2.04	3.76	4.10	1.03	1.20
-25	(-13)	902	227	264	192	2.49	5.12	4.67	1.18	1.37
-20	(- 4)	1176	296	345	223	2.95	6.69	5.27	1.33	1.54
-15	(+ 5)	1511	381	443	254	3.36	8.63	5.94	1.50	1.74
-10	(+14)	1931	487	566	287	3.69	11.06	6.71	1.69	1.97

F - EXTERNAL CHARACTERISTICS

1 Base plate	Universal EG/F/AMEM version 2		
2 Tray holder	No		
3 Connectors			
3.1 SUCTION	6.5 +0.12/-0.08	[mm]	(0.256" +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		