

COMPRESSOR DEFINITION

Designation	VEG T8H
Nominal Voltage/Frequency	230 V 53-150 Hz
Engineering Number	513800023

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	EU155601N00/EU155602B04/EU155602B06	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	EU155602B04	
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	0.56	1.25	4.89	1.23	1.43
-30 (-22)	303	76	89	55	0.71	1.72	5.47	1.38	1.60
-25 (-13)	408	103	119	66	0.85	2.32	6.21	1.56	1.82
-20 (- 4)	540	136	158	76	0.98	3.07	7.09	1.79	2.08
-15 (+ 5)	704	178	206	87	1.10	4.02	8.12	2.05	2.38
-10 (+14)	905	228	265	97	1.23	5.19	9.30	2.34	2.73

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	0.58	1.05	4.09	1.03	1.20
-30 (-22)	266	67	78	58	0.75	1.51	4.62	1.16	1.35
-25 (-13)	369	93	108	70	0.91	2.09	5.26	1.32	1.54
-20 (- 4)	499	126	146	83	1.05	2.84	6.01	1.51	1.76
-15 (+ 5)	661	167	194	96	1.20	3.77	6.86	1.73	2.01
-10 (+14)	859	217	252	110	1.34	4.92	7.83	1.97	2.29

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	0.54	0.89	3.63	0.92	1.06
-30 (-22)	230	58	67	56	0.73	1.30	4.11	1.04	1.20
-25 (-13)	324	82	95	70	0.91	1.84	4.66	1.17	1.37
-20 (- 4)	446	112	131	85	1.08	2.54	5.28	1.33	1.55
-15 (+ 5)	600	151	176	101	1.25	3.42	5.97	1.51	1.75
-10 (+14)	790	199	232	117	1.43	4.53	6.74	1.70	1.97

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	0.71	1.55	4.72	1.19	1.38
-30	(-22)	381	96	112	71	0.88	2.16	5.39	1.36	1.58
-25	(-13)	521	131	153	84	1.05	2.96	6.21	1.56	1.82
-20	(- 4)	694	175	203	97	1.21	3.95	7.14	1.80	2.09
-15	(+ 5)	894	225	262	109	1.36	5.10	8.15	2.05	2.39
-10	(+14)	1119	282	328	122	1.50	6.41	9.22	2.32	2.70

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	0.73	1.50	4.40	1.11	1.29
-30	(-22)	355	89	104	74	0.93	2.01	4.87	1.23	1.43
-25	(-13)	478	120	140	88	1.12	2.71	5.45	1.37	1.60
-20	(- 4)	631	159	185	104	1.30	3.59	6.14	1.55	1.80
-15	(+ 5)	811	204	238	118	1.46	4.63	6.89	1.74	2.02
-10	(+14)	1015	256	298	132	1.61	5.82	7.68	1.93	2.25

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	56	0.69	1.16	3.71	0.93	1.09
-30	(-22)	303	76	89	72	0.92	1.72	4.20	1.06	1.23
-25	(-13)	433	109	127	90	1.14	2.46	4.79	1.21	1.40
-20	(- 4)	591	149	173	107	1.35	3.36	5.46	1.38	1.60
-15	(+ 5)	775	195	227	125	1.54	4.42	6.19	1.56	1.81
-10	(+14)	981	247	288	142	1.72	5.62	6.93	1.75	2.03

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	62	0.76	1.80	5.17	1.30	1.52
-30	(-22)	424	107	124	75	0.94	2.40	5.68	1.43	1.66
-25	(-13)	552	139	162	87	1.10	3.13	6.34	1.60	1.86
-20	(- 4)	707	178	207	99	1.24	4.02	7.14	1.80	2.09
-15	(+ 5)	892	225	261	110	1.36	5.09	8.09	2.04	2.37
-10	(+14)	1112	280	326	121	1.48	6.37	9.17	2.31	2.69

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	0.78	1.63	4.54	1.14	1.33	
-30 (-22)	388	98	114	78	0.99	2.20	4.96	1.25	1.45	
-25 (-13)	509	128	149	92	1.17	2.89	5.51	1.39	1.62	
-20 (- 4)	656	165	192	106	1.33	3.73	6.18	1.56	1.81	
-15 (+ 5)	833	210	244	120	1.47	4.75	6.97	1.76	2.04	
-10 (+14)	1044	263	306	133	1.60	5.98	7.85	1.98	2.30	

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	0.75	1.30	3.84	0.97	1.13	
-30 (-22)	329	83	96	77	0.99	1.86	4.27	1.08	1.25	
-25 (-13)	449	113	132	93	1.20	2.55	4.80	1.21	1.41	
-20 (- 4)	594	150	174	110	1.38	3.38	5.41	1.36	1.59	
-15 (+ 5)	769	194	225	126	1.55	4.39	6.11	1.54	1.79	
-10 (+14)	977	246	286	142	1.71	5.60	6.89	1.74	2.02	

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	0.95	2.11	4.76	1.20	1.39	
-30 (-22)	497	125	146	92	1.13	2.82	5.43	1.37	1.59	
-25 (-13)	663	167	194	108	1.32	3.76	6.16	1.55	1.81	
-20 (- 4)	873	220	256	125	1.52	4.97	6.97	1.76	2.04	
-15 (+ 5)	1129	285	331	144	1.72	6.45	7.87	1.98	2.31	
-10 (+14)	1436	362	421	162	1.92	8.23	8.87	2.24	2.60	

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	78	0.95	1.83	4.18	1.05	1.22	
-30 (-22)	449	113	132	95	1.16	2.55	4.75	1.20	1.39	
-25 (-13)	614	155	180	114	1.39	3.48	5.38	1.36	1.58	
-20 (- 4)	821	207	241	135	1.62	4.67	6.08	1.53	1.78	
-15 (+ 5)	1074	271	315	156	1.85	6.13	6.85	1.73	2.01	
-10 (+14)	1375	347	403	178	2.07	7.88	7.73	1.95	2.27	

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	0.91	1.54	3.67	0.93	1.08	
-30 (-22)	390	98	114	94	1.15	2.21	4.18	1.05	1.23	
-25 (-13)	545	137	160	115	1.41	3.10	4.74	1.19	1.39	
-20 (- 4)	742	187	217	139	1.67	4.22	5.36	1.35	1.57	
-15 (+ 5)	983	248	288	163	1.93	5.61	6.05	1.52	1.77	
-10 (+14)	1271	320	372	186	2.19	7.28	6.82	1.72	2.00	

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	97	1.14	2.60	4.73	1.19	1.39	
-30 (-22)	617	155	181	117	1.42	3.50	5.30	1.33	1.55	
-25 (-13)	817	206	239	137	1.68	4.64	5.99	1.51	1.75	
-20 (- 4)	1065	268	312	157	1.92	6.06	6.78	1.71	1.99	
-15 (+ 5)	1363	343	399	178	2.13	7.78	7.67	1.93	2.25	
-10 (+14)	1715	432	502	198	2.32	9.82	8.64	2.18	2.53	

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	94	1.18	2.23	4.16	1.05	1.22	
-30 (-22)	550	138	161	117	1.46	3.11	4.70	1.18	1.38	
-25 (-13)	750	189	220	141	1.73	4.26	5.32	1.34	1.56	
-20 (- 4)	999	252	293	166	1.97	5.68	6.03	1.52	1.77	
-15 (+ 5)	1299	327	381	191	2.19	7.42	6.80	1.71	1.99	
-10 (+14)	1655	417	485	217	2.40	9.48	7.63	1.92	2.24	

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	86	1.02	1.70	3.51	0.88	1.03	
-30 (-22)	459	116	134	113	1.38	2.60	4.08	1.03	1.19	
-25 (-13)	662	167	194	140	1.72	3.76	4.71	1.19	1.38	
-20 (- 4)	915	230	268	169	2.05	5.20	5.39	1.36	1.58	
-15 (+ 5)	1219	307	357	199	2.36	6.96	6.12	1.54	1.79	
-10 (+14)	1580	398	463	230	2.66	9.05	6.87	1.73	2.01	

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	128	1.47	3.20	4.43	1.12	1.30
-30	(-22)	779	196	228	155	1.78	4.41	5.00	1.26	1.47
-25	(-13)	1038	262	304	184	2.10	5.90	5.64	1.42	1.65
-20	(- 4)	1351	340	396	213	2.41	7.69	6.35	1.60	1.86
-15	(+ 5)	1725	435	505	242	2.73	9.85	7.14	1.80	2.09
-10	(+14)	2166	546	635	270	3.03	12.41	8.04	2.03	2.36

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	127	1.45	2.83	3.94	0.99	1.15
-30	(-22)	701	177	206	158	1.79	3.98	4.46	1.12	1.31
-25	(-13)	949	239	278	189	2.14	5.39	5.02	1.27	1.47
-20	(- 4)	1251	315	367	222	2.49	7.12	5.65	1.42	1.66
-15	(+ 5)	1616	407	474	254	2.84	9.22	6.36	1.60	1.86
-10	(+14)	2051	517	601	286	3.18	11.75	7.16	1.80	2.10

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	119	1.37	2.33	3.46	0.87	1.01
-30	(-22)	606	153	178	153	1.75	3.43	3.96	1.00	1.16
-25	(-13)	849	214	249	188	2.15	4.82	4.51	1.14	1.32
-20	(- 4)	1148	289	336	224	2.55	6.53	5.11	1.29	1.50
-15	(+ 5)	1511	381	443	261	2.94	8.63	5.78	1.46	1.69
-10	(+14)	1946	490	570	298	3.33	11.15	6.52	1.64	1.91

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	138	1.53	3.40	4.36	1.10	1.28
-30	(-22)	840	212	246	168	1.99	4.76	4.98	1.25	1.46
-25	(-13)	1090	275	319	194	2.37	6.19	5.62	1.42	1.65
-20	(- 4)	1377	347	404	218	2.68	7.84	6.31	1.59	1.85
-15	(+ 5)	1726	435	506	243	2.93	9.85	7.10	1.79	2.08
-10	(+14)	2160	544	633	269	3.12	12.38	8.01	2.02	2.35

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	140	1.87	3.11	3.89	0.98	1.14
-30	(-22)	774	195	227	174	2.20	4.39	4.44	1.12	1.30
-25	(-13)	1011	255	296	203	2.45	5.74	5.00	1.26	1.46
-20	(- 4)	1283	323	376	230	2.63	7.30	5.60	1.41	1.64
-15	(+ 5)	1617	408	474	258	2.74	9.23	6.28	1.58	1.84
-10	(+14)	2036	513	597	287	2.79	11.67	7.07	1.78	2.07

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	128	1.40	2.46	3.40	0.86	1.00
-30	(-22)	663	167	194	166	1.95	3.76	3.95	1.00	1.16
-25	(-13)	902	227	264	200	2.42	5.12	4.50	1.13	1.32
-20	(- 4)	1176	296	345	232	2.82	6.69	5.07	1.28	1.49
-15	(+ 5)	1511	381	443	264	3.15	8.63	5.72	1.44	1.68
-10	(+14)	1931	487	566	298	3.42	11.06	6.46	1.63	1.89

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		