

### COMPRESSOR DEFINITION

Designation	VEX C11C
Nominal Voltage/Frequency	230 V 43-160 Hz
Engineering Number	503908285

### A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-600a		
3 Nominal voltage and frequency	230 / 43-160	[ V / Hz ]	
4 Application type	Low-Medium Back Pressure		
4.1 Evaporating temperature range	-35°C to -5°C	(-31°F to 23°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	187 to 255 V	-
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	6.9	[kgf/cm <sup>2</sup> ] (98 psig)	/ °C - °F
9.2 Peak	7.8	[kgf/cm <sup>2</sup> ] (111 psig)	/ °C - °F
10 Maximum winding temperature	130	[ °C ]	

### B - MECHANICAL DATA

1 Commercial designation	1/3	[hp]
2 Displacement	10.85	[cm <sup>3</sup> ] (0.662 cu.in)
2.1 Bore [mm]	24.000	
2.2 Stroke [mm]	24.000	
3 Lubricant charge	150	[ml] (5.07 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ALQUILB / ISO5	
4 Weight (with oil charge)	5	[kg] (11.02 lb.)
5 Nitrogen charge	0.2 to 0.3	[kgf/cm <sup>2</sup> ] (2.84 to 4.27 psig)

### C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	230 V 43-160 Hz 3~ (Three phase)	
2 Starting device type	Inverter	
2.1 Starting device	CF02D01 M 0.0 X	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	SP(PFC CF02D01M)	
6 Start winding resistance	14.16	[Ω at 25°C (77°F)] +/- 8%
7 Run winding resistance	14.16	[Ω at 25°C (77°F)] +/- 8%
8 LRA - Locked rotor amperage (43/160 Hz)	-	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (43/160 Hz)	-	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (43/160 Hz)	-	[A] - Measured according to UL 984
11 Approval boards certification	CCC	

### D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: <b>@220V1300RPM</b>			<b>ASHRAELBP32</b> <b>Static</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F)</b> <b>54.4°C (129.92°F)</b>	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
303	76	89	48	0.40	0.95	6.26	1.58	1.83

TEST CONDITIONS: <b>@220V2000RPM</b>			<b>ASHRAELBP32</b> <b>Static</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F)</b> <b>54.4°C (129.92°F)</b>	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
451	114	132	72	0.58	1.42	6.31	1.59	1.85

TEST CONDITIONS: <b>@220V3000RPM</b>			<b>ASHRAELBP32</b> <b>Static</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F)</b> <b>54.4°C (129.92°F)</b>	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
659	166	193	107	0.87	2.07	6.19	1.56	1.81

TEST CONDITIONS: <b>@220V4500RPM</b>			<b>ASHRAELBP32</b> <b>Static</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F)</b> <b>54.4°C (129.92°F)</b>	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
890	224	261	159	1.31	2.79	5.60	1.41	1.64

TEST CONDITIONS: <b>@220V4800RPM</b>			<b>ASHRAELBP32</b> <b>Static</b>		Evaporating temperature (Condensing temperature)		<b>-23.3°C (-9.94°F)</b> <b>54.4°C (129.92°F)</b>	
Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
919	232	269	166	1.36	2.89	5.54	1.40	1.62

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1300RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	175	44	51	28	0.25	0.55	6.32	1.59	1.85
-30	(-22)	228	58	67	33	0.29	0.72	7.00	1.76	2.05
-25	(-13)	294	74	86	38	0.32	0.92	7.85	1.98	2.30
-20	(- 4)	377	95	110	43	0.36	1.18	8.84	2.23	2.59
-15	(+ 5)	479	121	140	48	0.41	1.51	9.96	2.51	2.92
-10	(+14)	603	152	177	54	0.45	1.90	11.21	2.83	3.29
-5	(+23)	751	189	220	60	0.51	2.38	12.58	3.17	3.68

TEST CONDITIONS: @220V1300RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	168	42	49	29	0.25	0.53	5.77	1.45	1.69
-30	(-22)	221	56	65	35	0.30	0.69	6.23	1.57	1.83
-25	(-13)	288	72	84	42	0.35	0.90	6.85	1.73	2.01
-20	(- 4)	371	94	109	49	0.40	1.17	7.62	1.92	2.23
-15	(+ 5)	474	120	139	56	0.45	1.49	8.51	2.14	2.49
-10	(+14)	600	151	176	63	0.51	1.89	9.52	2.40	2.79
-5	(+23)	751	189	220	71	0.57	2.38	10.64	2.68	3.12

TEST CONDITIONS: @220V1300RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	160	40	47	29	0.24	0.50	5.42	1.37	1.59
-30	(-22)	210	53	62	37	0.31	0.66	5.67	1.43	1.66
-25	(-13)	275	69	81	45	0.38	0.86	6.07	1.53	1.78
-20	(- 4)	357	90	105	54	0.44	1.12	6.60	1.66	1.93
-15	(+ 5)	459	116	135	63	0.51	1.45	7.27	1.83	2.13
-10	(+14)	584	147	171	72	0.59	1.84	8.04	2.03	2.36
-5	(+23)	735	185	215	82	0.67	2.33	8.93	2.25	2.62

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1600RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	238	60	70	36	0.30	0.75	6.41	1.62	1.88
-30	(-22)	287	72	84	41	0.35	0.90	7.04	1.77	2.06
-25	(-13)	358	90	105	47	0.39	1.12	7.80	1.97	2.29
-20	(- 4)	452	114	132	53	0.43	1.42	8.72	2.20	2.55
-15	(+ 5)	570	144	167	58	0.48	1.79	9.78	2.46	2.87
-10	(+14)	713	180	209	65	0.53	2.25	10.98	2.77	3.22
-5	(+23)	885	223	259	71	0.59	2.80	12.32	3.10	3.61

TEST CONDITIONS: @220V1600RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	156	39	46	30	0.25	0.49	5.57	1.40	1.63
-30	(-22)	240	60	70	40	0.32	0.75	6.16	1.55	1.81
-25	(-13)	339	85	99	49	0.40	1.06	6.86	1.73	2.01
-20	(- 4)	455	115	133	59	0.47	1.43	7.67	1.93	2.25
-15	(+ 5)	589	148	172	69	0.55	1.85	8.58	2.16	2.51
-10	(+14)	743	187	218	78	0.63	2.34	9.59	2.42	2.81
-5	(+23)	918	231	269	88	0.71	2.90	10.71	2.70	3.14

TEST CONDITIONS: @220V1600RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	225	57	66	41	0.33	0.71	5.50	1.39	1.61
-30	(-22)	290	73	85	49	0.40	0.91	5.86	1.48	1.72
-25	(-13)	364	92	107	56	0.46	1.15	6.29	1.59	1.84
-20	(- 4)	449	113	132	64	0.52	1.41	6.80	1.71	1.99
-15	(+ 5)	546	138	160	72	0.58	1.72	7.37	1.86	2.16
-10	(+14)	656	165	192	80	0.65	2.07	8.01	2.02	2.35
-5	(+23)	782	197	229	89	0.71	2.47	8.71	2.19	2.55

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V1600RPM		ASHRAE32 Static			(Condensing temperature 65°C (+149°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	- 4	- 1	- 1	- 2	- 0.01	- 0.01	0.00	0.00	0.00
-30	(-22)	- 11	- 3	- 3	- 1	- 0.01	- 0.03	- 0.06	- 0.01	- 0.02
-25	(-13)	- 15	- 4	- 5	- 1	0.00	- 0.05	- 0.08	- 0.02	- 0.02
-20	(- 4)	- 15	- 4	- 5		0.00	- 0.05	- 0.07	- 0.02	- 0.02
-15	(+ 5)	- 9	- 2	- 3		0.00	- 0.03	- 0.04	- 0.01	- 0.01
-10	(+14)	5	1	1	1	0.01	0.01	0.03	0.01	0.01
-5	(+23)	28	7	8	2	0.01	0.09	0.12	0.03	0.03

TEST CONDITIONS: @220V2000RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	263	66	77	42	0.35	0.82	6.21	1.57	1.82
-30	(-22)	346	87	101	50	0.41	1.08	6.90	1.74	2.02
-25	(-13)	448	113	131	58	0.47	1.40	7.68	1.94	2.25
-20	(- 4)	572	144	168	67	0.54	1.80	8.56	2.16	2.51
-15	(+ 5)	721	182	211	76	0.61	2.27	9.54	2.41	2.80
-10	(+14)	898	226	263	84	0.68	2.83	10.64	2.68	3.12
-5	(+23)	1105	278	324	93	0.75	3.49	11.85	2.99	3.47

TEST CONDITIONS: @220V2000RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F) )					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	255	64	75	45	0.36	0.80	5.73	1.44	1.68
-30	(-22)	335	84	98	54	0.43	1.05	6.26	1.58	1.84
-25	(-13)	434	109	127	63	0.51	1.36	6.88	1.73	2.02
-20	(- 4)	557	140	163	73	0.58	1.75	7.59	1.91	2.23
-15	(+ 5)	705	178	207	84	0.67	2.22	8.40	2.12	2.46
-10	(+14)	881	222	258	94	0.75	2.78	9.30	2.34	2.73
-5	(+23)	1087	274	318	105	0.84	3.44	10.32	2.60	3.02

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V2000RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-35 (-31)	243	61	71	46	0.37	0.76	5.33	1.34	1.56	
-30 (-22)	318	80	93	56	0.45	1.00	5.72	1.44	1.68	
-25 (-13)	413	104	121	67	0.54	1.30	6.19	1.56	1.81	
-20 (- 4)	531	134	156	79	0.63	1.67	6.74	1.70	1.98	
-15 (+ 5)	675	170	198	91	0.73	2.12	7.37	1.86	2.16	
-10 (+14)	847	213	248	104	0.83	2.67	8.10	2.04	2.37	
-5 (+23)	1050	265	308	118	0.95	3.32	8.91	2.25	2.61	

TEST CONDITIONS: @220V3000RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-35 (-31)	379	95	111	65	0.52	1.19	5.81	1.46	1.70	
-30 (-22)	499	126	146	78	0.61	1.56	6.43	1.62	1.88	
-25 (-13)	648	163	190	91	0.71	2.03	7.09	1.79	2.08	
-20 (- 4)	829	209	243	106	0.83	2.60	7.80	1.97	2.29	
-15 (+ 5)	1047	264	307	122	0.95	3.29	8.58	2.16	2.52	
-10 (+14)	1305	329	382	138	1.09	4.11	9.44	2.38	2.77	
-5 (+23)	1608	405	471	155	1.22	5.08	10.40	2.62	3.05	

TEST CONDITIONS: @220V3000RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C (°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-35 (-31)	363	91	106	68	0.54	1.14	5.36	1.35	1.57	
-30 (-22)	480	121	141	81	0.64	1.51	5.93	1.49	1.74	
-25 (-13)	626	158	184	96	0.76	1.97	6.52	1.64	1.91	
-20 (- 4)	805	203	236	112	0.89	2.53	7.15	1.80	2.10	
-15 (+ 5)	1021	257	299	130	1.04	3.21	7.83	1.97	2.29	
-10 (+14)	1278	322	375	149	1.19	4.03	8.57	2.16	2.51	
-5 (+23)	1581	398	463	168	1.34	5.00	9.39	2.37	2.75	

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3000RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	345	87	101	70	0.55	1.08	4.91	1.24	1.44
-30	(-22)	455	115	133	84	0.67	1.43	5.44	1.37	1.59
-25	(-13)	596	150	175	100	0.80	1.87	5.97	1.50	1.75
-20	(- 4)	769	194	225	118	0.95	2.42	6.51	1.64	1.91
-15	(+ 5)	980	247	287	138	1.11	3.09	7.09	1.79	2.08
-10	(+14)	1233	311	361	160	1.29	3.89	7.72	1.94	2.26
-5	(+23)	1532	386	449	182	1.47	4.84	8.41	2.12	2.46

TEST CONDITIONS: @220V4000RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	475	120	139	73	0.70	1.49	5.32	1.34	1.56
-30	(-22)	622	157	182	97	0.83	1.95	5.90	1.49	1.73
-25	(-13)	811	204	238	133	0.99	2.54	6.48	1.63	1.90
-20	(- 4)	1045	263	306	173	1.16	3.28	7.06	1.78	2.07
-15	(+ 5)	1326	334	388	204	1.36	4.17	7.69	1.94	2.25
-10	(+14)	1657	418	486	217	1.57	5.23	8.37	2.11	2.45
-5	(+23)	2041	514	598	200	1.79	6.45	9.13	2.30	2.68

TEST CONDITIONS: @220V4000RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	440	111	129	121	0.72	1.38	4.93	1.24	1.44
-30	(-22)	594	150	174	111	0.87	1.86	5.50	1.39	1.61
-25	(-13)	787	198	231	114	1.05	2.47	6.05	1.53	1.77
-20	(- 4)	1022	257	299	120	1.25	3.21	6.60	1.66	1.93
-15	(+ 5)	1300	327	381	118	1.46	4.09	7.17	1.81	2.10
-10	(+14)	1624	409	476	97	1.68	5.12	7.79	1.96	2.28
-5	(+23)	1996	503	585	46	1.92	6.31	8.48	2.14	2.49

### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4000RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	411	103	120	77	0.73	1.29	4.44	1.12	1.30
-30	(-22)	560	141	164	102	0.90	1.76	5.02	1.27	1.47
-25	(-13)	745	188	218	142	1.09	2.34	5.56	1.40	1.63
-20	(- 4)	967	244	283	183	1.29	3.04	6.09	1.54	1.78
-15	(+ 5)	1229	310	360	217	1.51	3.87	6.63	1.67	1.94
-10	(+14)	1533	386	449	232	1.74	4.84	7.20	1.82	2.11
-5	(+23)	1882	474	551	217	1.97	5.95	7.84	1.97	2.30

TEST CONDITIONS: @220V4800RPM		ASHRAE32 Static			(Condensing temperature 35°C (+95°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	525	132	154	102	0.81	1.64	5.12	1.29	1.50
-30	(-22)	682	172	200	120	0.94	2.14	5.70	1.44	1.67
-25	(-13)	914	230	268	146	1.16	2.87	6.24	1.57	1.83
-20	(- 4)	1194	301	350	176	1.40	3.75	6.78	1.71	1.99
-15	(+ 5)	1500	378	440	203	1.63	4.72	7.38	1.86	2.16
-10	(+14)	1806	455	529	224	1.79	5.70	8.11	2.04	2.38
-5	(+23)	2089	527	612	232	1.86	6.61	9.01	2.27	2.64

TEST CONDITIONS: @220V4800RPM		ASHRAE32 Static			(Condensing temperature 45°C (+113°F))					
Evaporating temperature	Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%			
	°C	(°F)	[Btu/h]				[kcal/h]	[W]	[Btu/Wh]	[kcal/Wh]
-35	(-31)	477	120	140	101	0.81	1.49	4.74	1.19	1.39
-30	(-22)	645	162	189	122	0.98	2.02	5.32	1.34	1.56
-25	(-13)	880	222	258	151	1.22	2.76	5.84	1.47	1.71
-20	(- 4)	1160	292	340	182	1.48	3.64	6.36	1.60	1.86
-15	(+ 5)	1459	368	428	211	1.72	4.59	6.92	1.74	2.03
-10	(+14)	1754	442	514	231	1.89	5.53	7.60	1.91	2.23
-5	(+23)	2020	509	592	239	1.95	6.39	8.44	2.13	2.47



### E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4800RPM		ASHRAE32 Static			(Condensing temperature 55°C (+131°F))					
Evaporating temperature		Cooling capacity (Qe) +/- 5%			Input power (We) +/- 5%	Electric current +/- 5%	Mass flow rate +/- 5%	Efficiency EER & COP +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-35	(-31)	426	107	125	100	0.79	1.33	4.23	1.07	1.24
-30	(-22)	592	149	173	124	0.99	1.86	4.83	1.22	1.41
-25	(-13)	821	207	241	154	1.24	2.58	5.35	1.35	1.57
-20	(- 4)	1089	274	319	186	1.52	3.42	5.85	1.47	1.71
-15	(+ 5)	1371	345	402	214	1.76	4.32	6.40	1.61	1.87
-10	(+14)	1643	414	481	234	1.92	5.18	7.04	1.77	2.06
-5	(+23)	1881	474	551	240	1.97	5.95	7.84	1.98	2.30

### F - EXTERNAL CHARACTERISTICS

1 Base plate	European Standard		
2 Tray holder	No		
3 Connectors			
3.1 SUCTION	6.1 +0.10/+0.00	[mm]	(0.240" +0.004"/+0.000")
3.1.1 Material	Copper		
3.1.2 Shape	Slanted 42° up + 45° to Back		
3.2 DISCHARGE	4.94 +0.08/-0.08	[mm]	(0.194" +0.003"/-0.003")
3.2.1 Material	Copper		
3.2.2 Shape	Slanted 10° up + 10° to Back		
3.3 PROCESS	6.1 +0.10/+0.00	[mm]	(0.240" +0.004"/+0.000")
3.3.1 Material	Copper		
3.3.2 Shape	Slanted 63° up + 49° to Back		
3.4 Oil cooler (Copper)	No	[mm]	
3.5 Connector sealing	Rubber Plugs		