COMPRESSOR DEFINITION

Designation	**VNE X421U**
Nominal Voltage/Frequency	**208-230 V 50-60 Hz**
Engineering Number	**866DX26**

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-290		
3 Nominal voltage and frequency	208-230 / 50-60	[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 - Hight starting torque		
7 Expantion device	Capillary tube or Expansion valve		
8 Compressor cooling		Operating voltage range	
		50 Hz	60 Hz
8.1 LBP (32ºC Ambient temperature)	Fan	-	-
8.2 LBP (43ºC Ambient temperature)	Fan	-	-
8.3 HBP (32ºC Ambient temperature)	-	-	-
8.4 HBP (43ºC Ambient temperature)	-	-	-
9 Maximum condensing temperature			
9.1 Operating	18.4	[kgf/cm²] (262 psig)	/ ºC - ºF
9.2 Peak	20.6	[kgf/cm²] (293 psig)	/ ºC - ºF
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1 1/2	[hp]
2 Displacement	21.02	[cm³] (1.283 cu.in)
2.1 Bore [mm]	34.120	
2.2 Stroke [mm]	23.000	
3 Lubricant charge	400	[ml] (13.53 fl.oz.)
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO22	
4 Weight (with oil charge)	11.3	[kg] (24.91 lb.)
5 Nitrogen charge	-	[kgf/cm²]

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	208-230 V 50-60 Hz 1 ~ (Single phase)	
2 Starting device type	Inverter	
2.1 Starting device	CF20A01 P 0.0 X	
3 Start capacitor	-	[µF(VAC minimum)]
4 Run capacitor	-	[µF(VAC minimum)]
5 Motor protection	USP-102-83	
6 Start winding resistance	1.94	[Ω at 25ºC (77ºF)] +/- 8%
7 Run winding resistance	1.94	[Ω at 25ºC (77ºF)] +/- 8%
8 LRA - Locked rotor amperage (110/250 Hz)	4.60	[A] - Measured according to UL 984
9 FLA - Full load amperage L/MBP (110/250 Hz)	4.60	[A] - Measured according to UL 984
10 FLA - Full Load Amperage HBP (110/250 Hz)	-	[A] - Measured according to UL 984
11 Approval boards certification	UL - VDE	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: **@220V2200RPM**			**EN12900LBP** **Fan**		Evaporating temperature (Condensing temperature		**-35°C (-31°F)** **40°C (104°F))**	
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]
1480	373	434	295	1.48	4.96	5.02	1.27	1.47

TEST CONDITIONS: **@220V3000RPM**			**EN12900LBP** **Fan**		Evaporating temperature (Condensing temperature		**-35°C (-31°F)** **40°C (104°F))**	
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]
2054	518	602	414	1.97	6.88	4.96	1.25	1.45

TEST CONDITIONS: **@220V3600RPM**			**EN12900LBP** **Fan**		Evaporating temperature (Condensing temperature		**-35°C (-31°F)** **40°C (104°F))**	
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]
2407	606	705	500	2.30	8.06	4.82	1.21	1.41

TEST CONDITIONS: **@220V4500RPM**			**EN12900LBP** **Fan**		Evaporating temperature (Condensing temperature		**-35°C (-31°F)** **40°C (104°F))**	
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]
2874	724	842	628	2.83	9.62	4.58	1.15	1.34

TEST CONDITIONS: **@220V5000RPM**			**EN12900LBP** **Fan**		Evaporating temperature (Condensing temperature		**-35°C (-31°F)** **40°C (104°F))**	
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]
3171	799	929	715	3.19	10.62	4.43	1.12	1.30

E - PERFORMANCE - CURVES

TEST CONDITIONS: **EN12900** (Condensing temperature **35ºC (+95ºF))**
@220V2200RPM **Fan**

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]
-40	**(-40)**	1223	308	358	245	1.21	3.90	4.99	1.26	1.46
-35	**(-31)**	1630	411	478	290	1.40	5.24	5.60	1.41	1.64
-30	**(-22)**	2114	533	620	335	1.59	6.81	6.28	1.58	1.84
-25	**(-13)**	2686	677	787	380	1.78	8.68	7.05	1.78	2.07
-20	**(- 4)**	3355	845	983	421	1.95	10.87	7.97	2.01	2.34
-15	**(+ 5)**	4130	1041	1210	457	2.09	13.45	9.08	2.29	2.66
-10	**(+14)**	5023	1266	1472	486	2.21	16.46	10.43	2.63	3.06
-5	**(+23)**	6042	1523	1770	504	2.28	19.95	12.06	3.04	3.53
0	**(+32)**	7197	1814	2109	511	2.30	23.97	14.00	3.53	4.10

TEST CONDITIONS: **EN12900** (Condensing temperature **45ºC (+113ºF))**
@220V2200RPM **Fan**

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]
-40	**(-40)**	1005	253	295	251	1.23	3.52	4.05	1.02	1.19
-35	**(-31)**	1374	346	402	299	1.44	4.83	4.60	1.16	1.35
-30	**(-22)**	1808	456	530	352	1.66	6.37	5.13	1.29	1.50
-25	**(-13)**	2319	584	680	405	1.88	8.20	5.68	1.43	1.67
-20	**(- 4)**	2917	735	855	457	2.09	10.36	6.31	1.59	1.85
-15	**(+ 5)**	3610	910	1058	507	2.30	12.90	7.05	1.78	2.07
-10	**(+14)**	4409	1111	1292	551	2.48	15.87	7.95	2.00	2.33
-5	**(+23)**	5323	1341	1560	588	2.62	19.31	9.05	2.28	2.65
0	**(+32)**	6363	1603	1864	615	2.73	23.29	10.40	2.62	3.05

TEST CONDITIONS: **EN12900** (Condensing temperature **55ºC (+131ºF))**
@220V2200RPM **Fan**

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]
-40	**(-40)**	805	203	236	259	1.28	3.13	3.06	0.77	0.90
-35	**(-31)**	1134	286	332	311	1.49	4.42	3.67	0.92	1.07
-30	**(-22)**	1518	383	445	368	1.73	5.93	4.19	1.05	1.23
-25	**(-13)**	1968	496	577	428	1.98	7.73	4.65	1.17	1.36
-20	**(- 4)**	2492	628	730	490	2.24	9.85	5.12	1.29	1.50
-15	**(+ 5)**	3102	782	909	552	2.49	12.35	5.62	1.42	1.65
-10	**(+14)**	3807	959	1115	610	2.73	15.28	6.21	1.56	1.82
-5	**(+23)**	4616	1163	1352	664	2.95	18.69	6.92	1.74	2.03
0	**(+32)**	5539	1396	1623	710	3.13	22.62	7.81	1.97	2.29

E - PERFORMANCE - CURVES

TEST CONDITIONS: **EN12900** (Condensing temperature **35ºC (+95ºF))**
@220V3000RPM **Fan**

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]
-40	**(-40)**	1683	424	493	344	1.65	5.36	4.89	1.23	1.43
-35	**(-31)**	2222	560	651	406	1.91	7.14	5.46	1.38	1.60
-30	**(-22)**	2865	722	839	469	2.17	9.23	6.08	1.53	1.78
-25	**(-13)**	3623	913	1062	532	2.43	11.70	6.80	1.71	1.99
-20	**(- 4)**	4510	1137	1322	590	2.67	14.61	7.65	1.93	2.24
-15	**(+ 5)**	5539	1396	1623	641	2.88	18.04	8.69	2.19	2.55
-10	**(+14)**	6723	1694	1970	681	3.04	22.03	9.96	2.51	2.92
-5	**(+23)**	8075	2035	2366	707	3.14	26.66	11.49	2.90	3.37
0	**(+32)**	9608	2421	2815	716	3.17	32.00	13.34	3.36	3.91

TEST CONDITIONS: **EN12900** (Condensing temperature **45ºC (+113ºF))**
@220V3000RPM **Fan**

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]
-40	**(-40)**	1404	354	411	352	1.68	4.91	4.02	1.01	1.18
-35	**(-31)**	1892	477	554	419	1.96	6.65	4.53	1.14	1.33
-30	**(-22)**	2469	622	723	490	2.26	8.70	5.02	1.27	1.47
-25	**(-13)**	3147	793	922	564	2.57	11.13	5.54	1.40	1.62
-20	**(- 4)**	3939	993	1154	637	2.87	13.99	6.12	1.54	1.79
-15	**(+ 5)**	4859	1224	1424	706	3.15	17.36	6.82	1.72	2.00
-10	**(+14)**	5919	1491	1734	768	3.40	21.30	7.66	1.93	2.25
-5	**(+23)**	7132	1797	2090	819	3.61	25.88	8.71	2.19	2.55
0	**(+32)**	8512	2145	2494	857	3.76	31.15	9.99	2.52	2.93

TEST CONDITIONS: **EN12900** (Condensing temperature **55ºC (+131ºF))**
@220V3000RPM **Fan**

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]
-40	**(-40)**	1149	289	337	365	1.75	4.47	3.10	0.78	0.91
-35	**(-31)**	1584	399	464	434	2.03	6.17	3.67	0.92	1.08
-30	**(-22)**	2093	528	613	511	2.36	8.18	4.15	1.05	1.22
-25	**(-13)**	2689	678	788	594	2.70	10.56	4.58	1.16	1.34
-20	**(- 4)**	3385	853	992	680	3.06	13.38	5.01	1.26	1.47
-15	**(+ 5)**	4194	1057	1229	765	3.41	16.70	5.48	1.38	1.61
-10	**(+14)**	5129	1292	1503	846	3.74	20.59	6.03	1.52	1.77
-5	**(+23)**	6203	1563	1817	921	4.05	25.11	6.70	1.69	1.96
0	**(+32)**	7428	1872	2177	985	4.31	30.33	7.55	1.90	2.21

E - PERFORMANCE - CURVES

TEST CONDITIONS: **EN12900** (Condensing temperature **35ºC (+95ºF))**
@220V3600RPM **Fan**

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]
-40	**(-40)**	2005	505	588	420	1.98	6.39	4.77	1.20	1.40
-35	**(-31)**	2633	663	771	495	2.29	8.46	5.30	1.34	1.55
-30	**(-22)**	3380	852	990	573	2.62	10.89	5.88	1.48	1.72
-25	**(-13)**	4262	1074	1249	649	2.93	13.77	6.55	1.65	1.92
-20	**(- 4)**	5294	1334	1551	720	3.23	17.16	7.36	1.85	2.16
-15	**(+ 5)**	6491	1636	1902	783	3.48	21.14	8.34	2.10	2.44
-10	**(+14)**	7868	1983	2306	832	3.68	25.78	9.53	2.40	2.79
-5	**(+23)**	9441	2379	2766	865	3.81	31.17	10.98	2.77	3.22
0	**(+32)**	11224	2829	3289	878	3.85	37.38	12.72	3.20	3.73

TEST CONDITIONS: **EN12900** (Condensing temperature **45ºC (+113ºF))**
@220V3600RPM **Fan**

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]
-40	**(-40)**	1691	426	495	429	2.01	5.92	3.97	1.00	1.16
-35	**(-31)**	2258	569	662	509	2.35	7.94	4.45	1.12	1.30
-30	**(-22)**	2928	738	858	596	2.71	10.32	4.90	1.24	1.44
-25	**(-13)**	3716	936	1089	685	3.08	13.14	5.38	1.36	1.58
-20	**(- 4)**	4637	1169	1359	774	3.45	16.47	5.93	1.49	1.74
-15	**(+ 5)**	5706	1438	1672	859	3.80	20.39	6.58	1.66	1.93
-10	**(+14)**	6939	1749	2033	934	4.11	24.97	7.38	1.86	2.16
-5	**(+23)**	8351	2104	2447	998	4.37	30.30	8.37	2.11	2.45
0	**(+32)**	9956	2509	2917	1045	4.56	36.44	9.58	2.41	2.81

TEST CONDITIONS: **EN12900** (Condensing temperature **55ºC (+131ºF))**
@220V3600RPM **Fan**

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]
-40	**(-40)**	1402	353	411	446	2.10	5.46	3.10	0.78	0.91
-35	**(-31)**	1908	481	559	527	2.44	7.43	3.63	0.92	1.06
-30	**(-22)**	2499	630	732	620	2.82	9.77	4.08	1.03	1.20
-25	**(-13)**	3192	804	935	720	3.24	12.54	4.49	1.13	1.31
-20	**(- 4)**	4001	1008	1173	823	3.67	15.82	4.89	1.23	1.43
-15	**(+ 5)**	4942	1245	1448	927	4.10	19.68	5.33	1.34	1.56
-10	**(+14)**	6029	1519	1767	1026	4.52	24.21	5.85	1.47	1.71
-5	**(+23)**	7278	1834	2133	1117	4.89	29.47	6.49	1.63	1.90
0	**(+32)**	8704	2193	2550	1196	5.22	35.54	7.28	1.84	2.13

E - PERFORMANCE - CURVES

TEST CONDITIONS: **EN12900** (Condensing temperature **35ºC (+95ºF))**
@220V4500RPM **Fan**

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]
-40	**(-40)**	2427	612	711	535	2.46	7.73	4.53	1.14	1.33
-35	**(-31)**	3160	796	926	631	2.87	10.15	4.99	1.26	1.46
-30	**(-22)**	4034	1016	1182	731	3.29	13.00	5.50	1.39	1.61
-25	**(-13)**	5066	1277	1484	830	3.70	16.36	6.09	1.54	1.79
-20	**(- 4)**	6274	1581	1838	923	4.09	20.33	6.81	1.72	1.99
-15	**(+ 5)**	7675	1934	2249	1005	4.43	24.99	7.68	1.93	2.25
-10	**(+14)**	9288	2340	2721	1071	4.70	30.43	8.74	2.20	2.56
-5	**(+23)**	11129	2804	3261	1115	4.87	36.75	10.04	2.53	2.94
0	**(+32)**	13216	3330	3873	1133	4.94	44.02	11.60	2.92	3.40

TEST CONDITIONS: **EN12900** (Condensing temperature **45ºC (+113ºF))**
@220V4500RPM **Fan**

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]
-40	**(-40)**	2074	523	608	545	2.50	7.26	3.83	0.97	1.12
-35	**(-31)**	2736	689	802	645	2.92	9.62	4.25	1.07	1.25
-30	**(-22)**	3519	887	1031	754	3.38	12.40	4.65	1.17	1.36
-25	**(-13)**	4440	1119	1301	869	3.87	15.70	5.08	1.28	1.49
-20	**(- 4)**	5518	1391	1617	983	4.34	19.60	5.56	1.40	1.63
-15	**(+ 5)**	6769	1706	1984	1093	4.80	24.19	6.14	1.55	1.80
-10	**(+14)**	8212	2070	2406	1191	5.21	29.55	6.85	1.73	2.01
-5	**(+23)**	9864	2486	2890	1275	5.55	35.79	7.74	1.95	2.27
0	**(+32)**	11742	2959	3441	1337	5.81	42.98	8.83	2.23	2.59

TEST CONDITIONS: **EN12900** (Condensing temperature **55ºC (+131ºF))**
@220V4500RPM **Fan**

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]
-40	**(-40)**	1753	442	514	567	2.59	6.82	3.06	0.77	0.90
-35	**(-31)**	2342	590	686	666	3.02	9.13	3.53	0.89	1.03
-30	**(-22)**	3033	764	889	781	3.51	11.86	3.93	0.99	1.15
-25	**(-13)**	3842	968	1126	906	4.04	15.09	4.29	1.08	1.26
-20	**(- 4)**	4788	1207	1403	1038	4.60	18.93	4.64	1.17	1.36
-15	**(+ 5)**	5889	1484	1726	1170	5.16	23.45	5.03	1.27	1.47
-10	**(+14)**	7161	1804	2098	1297	5.69	28.75	5.50	1.38	1.61
-5	**(+23)**	8622	2173	2526	1415	6.19	34.91	6.07	1.53	1.78
0	**(+32)**	10290	2593	3015	1517	6.62	42.02	6.79	1.71	1.99

E - PERFORMANCE - CURVES

TEST CONDITIONS: **EN12900** (Condensing temperature **35ºC (+95ºF))**
@220V5000RPM **Fan**

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]
-40	**(-40)**	2615	659	766	599	2.73	8.33	4.36	1.10	1.28
-35	**(-31)**	3391	855	994	707	3.19	10.90	4.78	1.21	1.40
-30	**(-22)**	4317	1088	1265	820	3.66	13.91	5.25	1.32	1.54
-25	**(-13)**	5409	1363	1585	933	4.14	17.47	5.79	1.46	1.70
-20	**(- 4)**	6688	1685	1960	1039	4.59	21.67	6.44	1.62	1.89
-15	**(+ 5)**	8172	2059	2395	1134	4.98	26.61	7.24	1.83	2.12
-10	**(+14)**	9880	2490	2895	1210	5.29	32.38	8.23	2.07	2.41
-5	**(+23)**	11831	2981	3467	1262	5.50	39.07	9.43	2.38	2.76
0	**(+32)**	14043	3539	4115	1284	5.59	46.77	10.88	2.74	3.19

TEST CONDITIONS: **EN12900** (Condensing temperature **45ºC (+113ºF))**
@220V5000RPM **Fan**

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]
-40	**(-40)**	2251	567	659	608	2.76	7.88	3.73	0.94	1.09
-35	**(-31)**	2951	744	865	719	3.23	10.37	4.11	1.04	1.21
-30	**(-22)**	3779	952	1107	841	3.75	13.32	4.48	1.13	1.31
-25	**(-13)**	4755	1198	1393	971	4.30	16.81	4.87	1.23	1.43
-20	**(- 4)**	5895	1486	1727	1100	4.85	20.94	5.31	1.34	1.56
-15	**(+ 5)**	7220	1819	2116	1224	5.37	25.80	5.85	1.47	1.71
-10	**(+14)**	8748	2204	2563	1337	5.84	31.48	6.51	1.64	1.91
-5	**(+23)**	10497	2645	3076	1432	6.24	38.09	7.33	1.85	2.15
0	**(+32)**	12487	3147	3659	1505	6.54	45.70	8.34	2.10	2.44

TEST CONDITIONS: **EN12900** (Condensing temperature **55ºC (+131ºF))**
@220V5000RPM **Fan**

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]
-40	**(-40)**	1920	484	563	632	2.86	7.47	3.01	0.76	0.88
-35	**(-31)**	2544	641	745	740	3.33	9.91	3.45	0.87	1.01
-30	**(-22)**	3274	825	959	867	3.88	12.80	3.81	0.96	1.12
-25	**(-13)**	4130	1041	1210	1007	4.48	16.22	4.14	1.04	1.21
-20	**(- 4)**	5131	1293	1504	1155	5.11	20.28	4.47	1.13	1.31
-15	**(+ 5)**	6295	1586	1845	1303	5.75	25.07	4.83	1.22	1.42
-10	**(+14)**	7642	1926	2239	1447	6.36	30.68	5.26	1.32	1.54
-5	**(+23)**	9189	2316	2693	1581	6.93	37.21	5.79	1.46	1.70
0	**(+32)**	10956	2761	3210	1698	7.42	44.74	6.46	1.63	1.89

F - EXTERNAL CHARACTERISTICS

1 Base plate	Universal		
2 Tray holder	No		
3 Connectors			
3.1 SUCTION	8.1 +0.10/+0.00	[mm]	(0.319" +0.004"/+0.000")
3.1.1 Material	Copper		
3.1.2 Shape	Slanted 42°		
3.2 DISCHARGE	6.45 +0.10/+0.00	[mm]	(0.254" +0.004"/+0.000")
3.2.1 Material	Copper		
3.2.2 Shape	Slanted parallel to Base Plate		
3.3 PROCESS	6.45 +0.10/+0.00	[mm]	(0.254" +0.004"/+0.000")
3.3.1 Material	Copper		
3.3.2 Shape	Slanted 42°		
3.4 Oil cooler (Copper)	No	[mm]	
3.5 Connector sealing	Rubber Plugs		