

COMPRESSOR DEFINITION

Designation	VNE X419U
Nominal Voltage/Frequency	208-240 V 50-60 Hz
Engineering Number	866CX26

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R-290		
3 Nominal voltage and frequency	208-240 / 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 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 ²] (262 psig)	/ °C - °F
9.2 Peak	20.6	[kgf/cm ²] (293 psig)	/ °C - °F
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	1 1/2	[hp]
2 Displacement	18.70	[cm ³] (1.141 cu.in)
2.1 Bore [mm]	32.186	
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/cm ²]

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	208-240 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 25°C (77°F)] +/- 8%
7 Run winding resistance	1.94	[Ω at 25°C (77°F)] +/- 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	CCC - UL - VDE	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @220V2200RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°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]
1899	478	556	373	1.73	7.71	5.09	1.28	1.49

TEST CONDITIONS: @220V3000RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°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]
2670	673	782	526	2.38	10.84	5.07	1.28	1.49

TEST CONDITIONS: @220V3600RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°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]
3203	807	938	648	2.90	13.01	4.94	1.24	1.45

TEST CONDITIONS: @220V4500RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°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]
3845	969	1127	818	3.62	15.62	4.70	1.18	1.38

TEST CONDITIONS: @220V5000RPM			ARILBP Fan		Evaporating temperature (Condensing temperature)		-23.3°C (-9.94°F) 48.9°C (120.02°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]
4125	1040	1209	905	4.00	16.75	4.56	1.15	1.34

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V2200RPM		ARI4 Fan			(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]
-40	(-40)	981	247	287	213	1.14	3.39	4.60	1.16	1.35
-35	(-31)	1328	335	389	255	1.31	4.64	5.20	1.31	1.52
-30	(-22)	1741	439	510	297	1.48	6.10	5.84	1.47	1.71
-25	(-13)	2228	562	653	339	1.66	7.83	6.56	1.65	1.92
-20	(- 4)	2800	705	820	378	1.82	9.88	7.42	1.87	2.17
-15	(+ 5)	3463	873	1015	412	1.96	12.30	8.45	2.13	2.48
-10	(+14)	4227	1065	1238	439	2.08	15.14	9.70	2.44	2.84
-5	(+23)	5100	1285	1494	457	2.15	18.45	11.22	2.83	3.29
0	(+32)	6091	1535	1785	464	2.17	22.29	13.05	3.29	3.82

TEST CONDITIONS: @220V2200RPM		ARI4 Fan			(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]
-40	(-40)	799	201	234	215	1.12	3.06	3.76	0.95	1.10
-35	(-31)	1110	280	325	258	1.29	4.27	4.32	1.09	1.27
-30	(-22)	1475	372	432	304	1.48	5.70	4.84	1.22	1.42
-25	(-13)	1902	479	557	351	1.68	7.38	5.38	1.36	1.58
-20	(- 4)	2401	605	704	398	1.87	9.37	5.98	1.51	1.75
-15	(+ 5)	2980	751	873	442	2.06	11.72	6.67	1.68	1.96
-10	(+14)	3647	919	1069	482	2.23	14.48	7.52	1.90	2.20
-5	(+23)	4411	1112	1293	515	2.37	17.71	8.56	2.16	2.51
0	(+32)	5282	1331	1548	540	2.47	21.44	9.84	2.48	2.88

TEST CONDITIONS: @220V2200RPM		ARI4 Fan			(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]
-40	(-40)	635	160	186	222	1.13	2.74	2.83	0.71	0.83
-35	(-31)	906	228	265	263	1.29	3.91	3.46	0.87	1.01
-30	(-22)	1218	307	357	309	1.48	5.27	3.98	1.00	1.17
-25	(-13)	1581	398	463	360	1.69	6.88	4.45	1.12	1.30
-20	(- 4)	2003	505	587	412	1.91	8.79	4.90	1.23	1.43
-15	(+ 5)	2493	628	731	464	2.14	11.06	5.37	1.35	1.57
-10	(+14)	3059	771	896	514	2.35	13.72	5.93	1.49	1.74
-5	(+23)	3711	935	1087	560	2.55	16.83	6.60	1.66	1.93
0	(+32)	4456	1123	1306	599	2.72	20.45	7.44	1.87	2.18

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3000RPM		ARI4 Fan			(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]
-40	(-40)	1343	338	393	300	1.50	4.64	4.47	1.13	1.31
-35	(-31)	1807	455	529	358	1.73	6.31	5.04	1.27	1.48
-30	(-22)	2359	594	691	417	1.98	8.27	5.64	1.42	1.65
-25	(-13)	3011	759	882	476	2.22	10.58	6.32	1.59	1.85
-20	(- 4)	3774	951	1106	531	2.45	13.32	7.12	1.79	2.09
-15	(+ 5)	4659	1174	1365	579	2.65	16.55	8.08	2.04	2.37
-10	(+14)	5680	1431	1664	618	2.81	20.35	9.26	2.33	2.71
-5	(+23)	6847	1725	2006	644	2.91	24.77	10.69	2.69	3.13
0	(+32)	8171	2059	2394	655	2.95	29.90	12.41	3.13	3.64

TEST CONDITIONS: @220V3000RPM		ARI4 Fan			(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]
-40	(-40)	1112	280	326	304	1.49	4.25	3.69	0.93	1.08
-35	(-31)	1529	385	448	363	1.72	5.88	4.22	1.06	1.24
-30	(-22)	2017	508	591	426	1.99	7.79	4.72	1.19	1.38
-25	(-13)	2590	653	759	493	2.26	10.05	5.22	1.32	1.53
-20	(- 4)	3257	821	954	559	2.54	12.71	5.78	1.46	1.69
-15	(+ 5)	4032	1016	1182	621	2.81	15.86	6.43	1.62	1.88
-10	(+14)	4926	1241	1443	678	3.05	19.56	7.23	1.82	2.12
-5	(+23)	5950	1499	1743	725	3.25	23.88	8.21	2.07	2.40
0	(+32)	7116	1793	2085	760	3.39	28.89	9.41	2.37	2.76

TEST CONDITIONS: @220V3000RPM		ARI4 Fan			(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]
-40	(-40)	902	227	264	316	1.53	3.89	2.82	0.71	0.83
-35	(-31)	1265	319	371	372	1.74	5.46	3.41	0.86	1.00
-30	(-22)	1684	424	494	436	2.01	7.29	3.91	0.98	1.14
-25	(-13)	2171	547	636	506	2.30	9.46	4.34	1.09	1.27
-20	(- 4)	2738	690	802	579	2.61	12.02	4.76	1.20	1.40
-15	(+ 5)	3396	856	995	652	2.93	15.06	5.21	1.31	1.53
-10	(+14)	4157	1047	1218	722	3.23	18.64	5.73	1.44	1.68
-5	(+23)	5032	1268	1474	787	3.51	22.82	6.37	1.61	1.87
0	(+32)	6033	1520	1768	842	3.75	27.69	7.17	1.81	2.10

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V3600RPM		ARI4 Fan			(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]
-40	(-40)	1600	403	469	366	1.76	5.53	4.37	1.10	1.28
-35	(-31)	2144	540	628	436	2.04	7.49	4.90	1.24	1.44
-30	(-22)	2791	703	818	509	2.34	9.78	5.47	1.38	1.60
-25	(-13)	3555	896	1042	581	2.64	12.49	6.11	1.54	1.79
-20	(- 4)	4450	1121	1304	649	2.92	15.70	6.87	1.73	2.01
-15	(+ 5)	5489	1383	1608	708	3.17	19.50	7.79	1.96	2.28
-10	(+14)	6686	1685	1959	756	3.37	23.95	8.90	2.24	2.61
-5	(+23)	8055	2030	2360	789	3.50	29.14	10.26	2.59	3.01
0	(+32)	9609	2421	2816	803	3.55	35.16	11.90	3.00	3.49

TEST CONDITIONS: @220V3600RPM		ARI4 Fan			(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]
-40	(-40)	1338	337	392	372	1.75	5.11	3.64	0.92	1.07
-35	(-31)	1827	460	535	442	2.04	7.03	4.14	1.04	1.21
-30	(-22)	2401	605	704	520	2.36	9.28	4.60	1.16	1.35
-25	(-13)	3074	775	901	601	2.70	11.93	5.08	1.28	1.49
-20	(- 4)	3859	972	1131	682	3.04	15.06	5.61	1.41	1.64
-15	(+ 5)	4769	1202	1398	759	3.37	18.76	6.23	1.57	1.82
-10	(+14)	5819	1466	1705	829	3.67	23.11	6.98	1.76	2.05
-5	(+23)	7022	1770	2058	887	3.91	28.19	7.91	1.99	2.32
0	(+32)	8392	2115	2459	931	4.10	34.08	9.06	2.28	2.66

TEST CONDITIONS: @220V3600RPM		ARI4 Fan			(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]
-40	(-40)	1101	277	323	389	1.81	4.74	2.80	0.71	0.82
-35	(-31)	1528	385	448	455	2.07	6.59	3.37	0.85	0.99
-30	(-22)	2022	509	592	532	2.39	8.75	3.84	0.97	1.12
-25	(-13)	2595	654	760	617	2.76	11.30	4.25	1.07	1.24
-20	(- 4)	3262	822	956	706	3.14	14.32	4.65	1.17	1.36
-15	(+ 5)	4036	1017	1183	796	3.53	17.90	5.07	1.28	1.49
-10	(+14)	4931	1243	1445	882	3.90	22.11	5.57	1.40	1.63
-5	(+23)	5960	1502	1747	961	4.25	27.04	6.17	1.56	1.81
0	(+32)	7138	1799	2092	1030	4.55	32.76	6.93	1.75	2.03

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V4500RPM		ARI4 Fan			(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]
-40	(-40)	1943	490	569	463	2.13	6.71	4.19	1.06	1.23
-35	(-31)	2591	653	759	553	2.50	9.05	4.67	1.18	1.37
-30	(-22)	3362	847	985	647	2.89	11.78	5.19	1.31	1.52
-25	(-13)	4273	1077	1252	740	3.28	15.01	5.77	1.45	1.69
-20	(- 4)	5338	1345	1564	828	3.65	18.84	6.46	1.63	1.89
-15	(+ 5)	6576	1657	1927	906	3.98	23.36	7.29	1.84	2.14
-10	(+14)	8002	2017	2345	970	4.24	28.66	8.31	2.09	2.43
-5	(+23)	9633	2428	2823	1014	4.42	34.86	9.55	2.41	2.80
0	(+32)	11486	2894	3366	1034	4.49	42.03	11.05	2.79	3.24

TEST CONDITIONS: @220V4500RPM		ARI4 Fan			(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]
-40	(-40)	1649	416	483	471	2.14	6.30	3.53	0.89	1.04
-35	(-31)	2234	563	654	561	2.51	8.60	3.99	1.01	1.17
-30	(-22)	2919	736	855	660	2.92	11.28	4.41	1.11	1.29
-25	(-13)	3723	938	1091	764	3.36	14.44	4.85	1.22	1.42
-20	(- 4)	4660	1174	1365	868	3.81	18.18	5.33	1.34	1.56
-15	(+ 5)	5747	1448	1684	967	4.24	22.61	5.89	1.48	1.73
-10	(+14)	7001	1764	2052	1058	4.63	27.80	6.58	1.66	1.93
-5	(+23)	8439	2127	2473	1135	4.96	33.87	7.43	1.87	2.18
0	(+32)	10075	2539	2952	1193	5.21	40.91	8.49	2.14	2.49

TEST CONDITIONS: @220V4500RPM		ARI4 Fan			(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]
-40	(-40)	1383	349	405	496	2.22	5.96	2.76	0.70	0.81
-35	(-31)	1894	477	555	579	2.56	8.17	3.28	0.83	0.96
-30	(-22)	2485	626	728	676	2.98	10.75	3.71	0.93	1.09
-25	(-13)	3171	799	929	784	3.45	13.81	4.08	1.03	1.20
-20	(- 4)	3969	1000	1163	898	3.95	17.43	4.45	1.12	1.30
-15	(+ 5)	4895	1234	1434	1013	4.46	21.71	4.84	1.22	1.42
-10	(+14)	5967	1504	1748	1124	4.96	26.75	5.29	1.33	1.55
-5	(+23)	7200	1814	2110	1227	5.42	32.66	5.84	1.47	1.71
0	(+32)	8611	2170	2523	1317	5.83	39.52	6.54	1.65	1.92

E - PERFORMANCE - CURVES

TEST CONDITIONS: @220V5000RPM		ARI4 Fan			(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]
-40	(-40)	2104	530	616	516	2.33	7.27	4.07	1.03	1.19
-35	(-31)	2799	705	820	617	2.74	9.77	4.53	1.14	1.33
-30	(-22)	3627	914	1063	723	3.19	12.71	5.01	1.26	1.47
-25	(-13)	4604	1160	1349	828	3.63	16.18	5.55	1.40	1.63
-20	(- 4)	5748	1449	1684	928	4.06	20.29	6.20	1.56	1.82
-15	(+ 5)	7077	1783	2074	1017	4.43	25.14	6.99	1.76	2.05
-10	(+14)	8609	2169	2523	1090	4.74	30.84	7.95	2.00	2.33
-5	(+23)	10360	2611	3036	1141	4.95	37.48	9.12	2.30	2.67
0	(+32)	12348	3112	3618	1165	5.04	45.19	10.55	2.66	3.09

TEST CONDITIONS: @220V5000RPM		ARI4 Fan			(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]
-40	(-40)	1800	453	527	526	2.35	6.88	3.46	0.87	1.01
-35	(-31)	2428	612	711	625	2.76	9.34	3.89	0.98	1.14
-30	(-22)	3165	798	927	736	3.22	12.23	4.29	1.08	1.26
-25	(-13)	4029	1015	1180	852	3.73	15.63	4.70	1.18	1.38
-20	(- 4)	5036	1269	1476	970	4.24	19.65	5.15	1.30	1.51
-15	(+ 5)	6206	1564	1818	1083	4.73	24.41	5.68	1.43	1.67
-10	(+14)	7554	1904	2213	1186	5.18	30.00	6.34	1.60	1.86
-5	(+23)	9099	2293	2666	1273	5.57	36.52	7.14	1.80	2.09
0	(+32)	10858	2736	3182	1340	5.86	44.09	8.14	2.05	2.39

TEST CONDITIONS: @220V5000RPM		ARI4 Fan			(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]
-40	(-40)	1525	384	447	554	2.44	6.56	2.73	0.69	0.80
-35	(-31)	2074	523	608	645	2.83	8.94	3.22	0.81	0.94
-30	(-22)	2709	683	794	753	3.30	11.73	3.63	0.91	1.06
-25	(-13)	3448	869	1010	874	3.83	15.01	3.98	1.00	1.17
-20	(- 4)	4307	1085	1262	1002	4.40	18.91	4.33	1.09	1.27
-15	(+ 5)	5305	1337	1554	1131	4.99	23.53	4.69	1.18	1.37
-10	(+14)	6458	1628	1892	1257	5.56	28.96	5.12	1.29	1.50
-5	(+23)	7786	1962	2281	1374	6.10	35.31	5.64	1.42	1.65
0	(+32)	9304	2345	2726	1476	6.57	42.70	6.31	1.59	1.85

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		