



Celseon® Air Cooled Condensing Unit

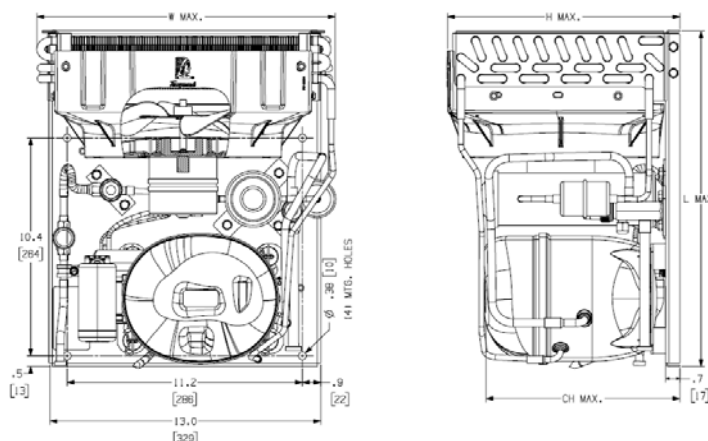


Model: AE4450Y-AA1AD*

BoM: 2G224-**

R-134a

1/2 HP



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4450Y-AA1ADA	16.0	14.3	11.1	9.3	5/16" S	1/4" S	N/A	185	9.5	39
AE4450Y-AA1ADG					1/2" S	3/8" S	2.9 lbs			41
AE4450Y-AA1ADH					1/2" S	3/8" S	N/A			39
AE4450Y-AA1ADK					5/16" S	1/4" S	N/A			39
AE4450Y-AA1ADC					1/2" S	3/8" S	2.9 lbs			41
AE4450Y-AA1ADS					1/2" S	3/8" S	N/A			39
AE4450Y-AA1ADJ					1/2" S	3/8" S	2.9 lbs			41
AE4450Y-AA1ADP					1/2" S	3/8" S	2.9 lbs			41

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

Ambient Temperatures

Evaporator T,		Ambient Temperatures											
		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
5	9.3	2410	444	95	2213	456	105	2016	467	114	1818	479	124
10	12.1	2726	473	97	2506	486	107	2286	500	116	2066	513	126
15	15.3	3058	503	99	2815	518	109	2572	533	118	2329	548	128
20	18.6	3406	533	101	3140	550	111	2874	568	120	2608	585	130
25	22.3	3770	565	104	3481	584	113	3192	603	122	2903	622	132
30	26.3	4150	598	106	3838	619	115	3526	640	125	3215	661	134
35	30.6	4546	631	109	4211	654	118	3877	678	127	3542	701	136
40	35.2	4958	666	112	4600	691	121	4243	716	130	3885	741	139
45	40.2	5385	702	114	5005	729	124	4625	756	133	4244	783	142
50	45.6	5829	739	118	5426	768	127	5023	797	136	---	---	---
55	51.4	6289	777	121	5863	808	130	5437	838	139	---	---	---

60 Hz Performance

Return gas temp 40°F below 20°F evaporator,
and 65°F above 20° evap, 5°F sub cooling

Electrical Diagram Page 3

