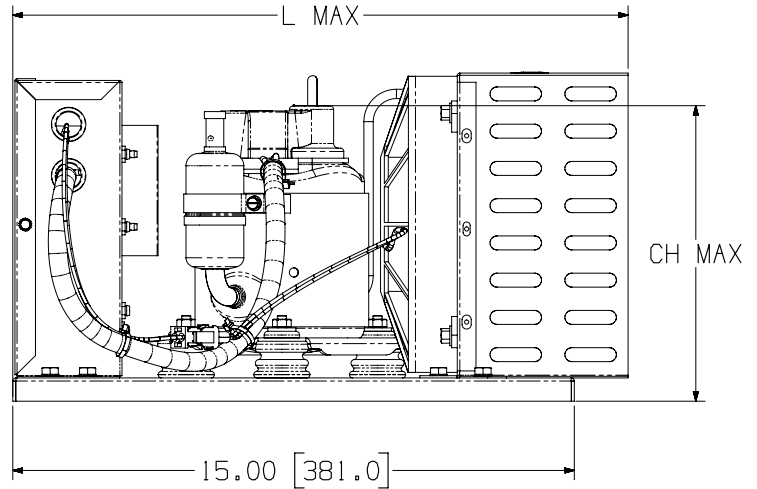
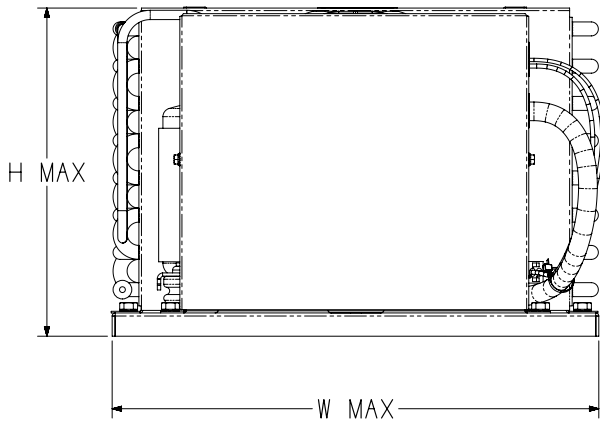
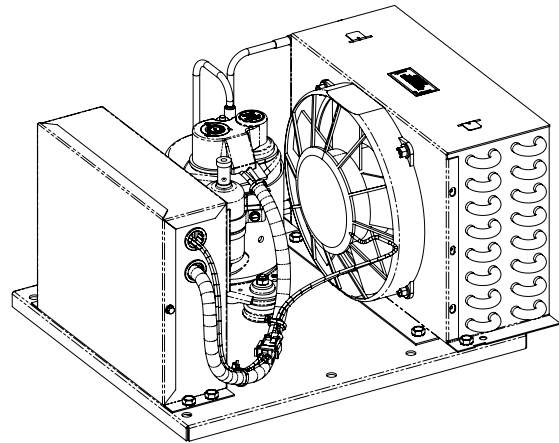




MASTERFLUX
By *Tecumseh*

MASTERFLUX CONDENSING UNITS

Model: SIERRA01-0434Y3XA
BoM: 14959753
R134a
Air Cooled
12V DC



Model	Dimensions, inches				Line Connection*		Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	SCFM	Oz.	Lbs.
SIERRA01-0434Y3AX	16.44	13.0	8.8	7.93	3/8" S	1/4" S	258	9.8	33.5

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

Evap. T		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
°F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-10	1.9	1118	288	107	91	1014	294	126	101	927	308	148	110	847	319	171	120
5	9.1	1540	312	116	96	1407	316	136	105	1267	339	157	114	1156	352	181	123
20	18.4	2104	337	128	101	1928	342	148	110	1736	371	170	119	1580	388	194	128
25	22.1	2324	345	132	103	2129	351	153	112	1921	383	175	121	1747	401	199	130
30	26.1	2559	353	137	105	2345	361	159	115	2120	394	181	123	1927	414	205	132
35	30.4	2811	361	142	107	2576	371	164	117	2333	406	186	125	2120	427	211	134
40	35.1	3078	369	147	110	2820	382	171	119	2561	418	192	127	2326	441	217	136
45	40.1	3360	377	153	112	3079	394	177	122	2803	430	199	129	2544	455	223	138
50	45.5	3659	385	159	115	3351	405	184	124	3059	442	205	132	2776	470	230	140
55	51.3	3973	394	165	117	3638	418	191	127	3330	455	213	134	3020	484	238	142

*All tests at maximum compressor RPM at 12V

Specifications/ Parts:

Model	SIERRA01-0434Y3XA
Unit Bill of Material	14959753
Nominal Volts	12 V DC
Refrigeration Range	-10F to +55F
Design Pressure Low	55 PSIG
Design Pressure High	195 PSIG
Voltage Range	9.5 – 13.2 V DC
Min. Circuit Ampacity	41.3
Max. Fuse Size (amps)	60
Compressor RLA	29.3
Compressor Model	SIERRA02-0434Y3

Comp. Bill of Material	SIERRA00003
Controller	025A0180
Overload	8300MRPS84
Relay	14959765
Terminal Board	90360-4
Condenser	50795-2
Fan Motor	14959757
Fan Motor RLA	4.6
Unit Drawing	SU1960-01
Wiring Diagram	14959769

