



TECUMSEH HERMETIC CONDENSING UNIT

AE4440Y-AA1AGL

Revision: REV A

October 1, 2012

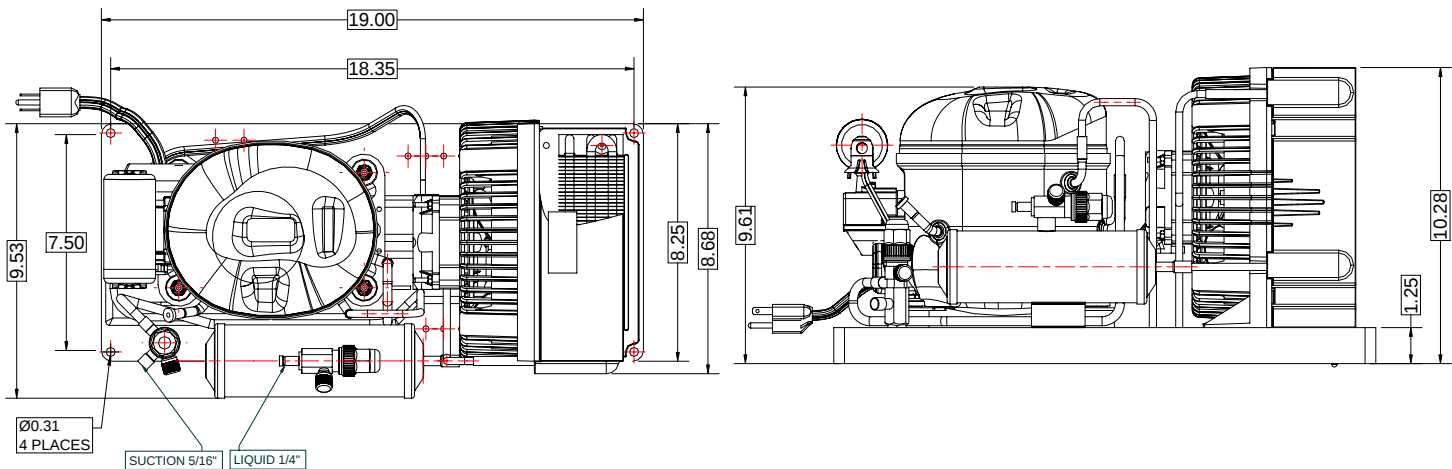
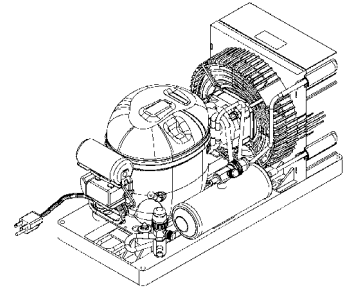
Model AE4440Y-AA1AGL, GK, GB, GC

BOM 32Y360-2, -3, -4, -5

Air Cooled 1/3 HP

Application High Temp

Refrigerant R 134a



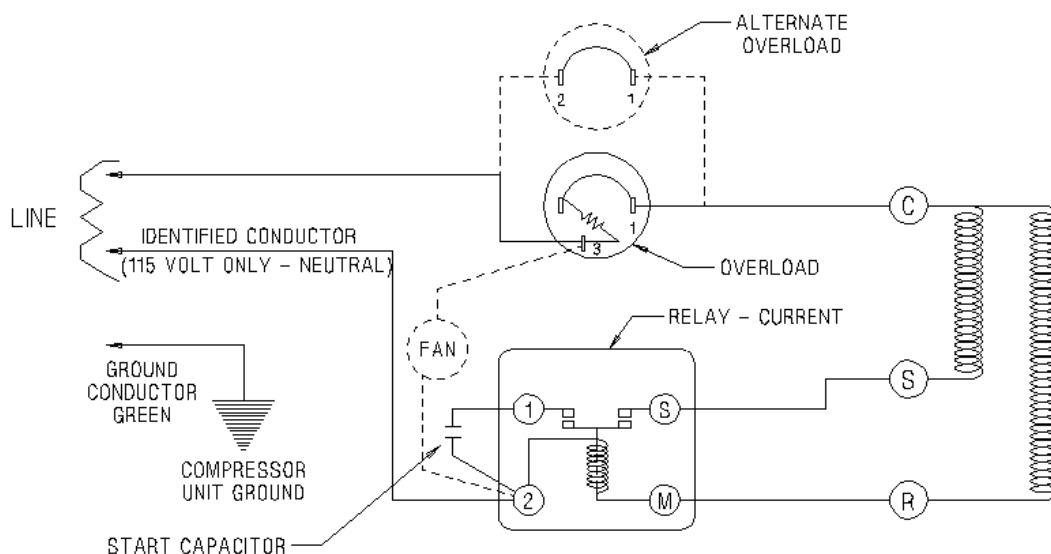
Model	Dimensions (inch)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs
AE4440Y-AA1AGL	19	8.7	10.3	5/16 Sweat	1/4 Sweat	n/a	240	16	39.6
AE4440Y-AA1AGK						2.09			40.2
AE4440Y-AA1AGB	19	9.7	10.3	5/16 Valve Sweat	1/4 Valve Sweat	2.47			40.8
AE4440Y-AA1AGC									

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		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
20	18.4	2560	440	142	108	2360	460	163	116	2160	470	187	125	1990	480	212	134
25	22.1	2810	470	150	111	2610	480	171	120	2400	500	196	128	2210	520	221	137
30	26.0	3080	500	159	115	2860	520	181	123	2640	530	205	132	2420	560	232	140
35	30.3	3350	530	168	118	3110	550	191	127	2870	570	216	135	2620	600	242	143
40	35.0	3630	570	178	122	3370	590	201	130	3110	620	227	139	2830	640	253	147
45	40.0	3920	610	189	126	3620	640	213	134	3340	670	240	142	3020	690	265	150
50	45.3	4220	650	201	130	3890	690	225	138	3570	720	256	146	3220	740	277	154

Performance @ 60 Hz, Return gas 65°F, SubCooling 5°F

Parts/Specifications			
Unit BOM	32Y360-2	Condenser	50734-G02
Unit MODEL	AE4440Y-AA1AGL	Shroud	71030-GS
		Fan Guard	71030-GB
Refrigeration RANGE	20°F to 55°F		
Design Pressure Low	150	Replacement Fan Motor	9W115
Design Pressure High	300	F. M., blade, guard assy	XFBG-109
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	XFBGS-109
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	7.86	Electrical Diagram	DEAE-10
Max. Fuse Size	15	Unit Drawing	DGBU-061
Compressor MODEL	AE4440Y-AA1A	Unit BOM	32Y360-3
Compressor BOM	AE-1022-E	Unit MODEL	AE4440Y-AA1AGK
Compressor LRA	32	Power Cord	85106-10
Compressor RLA	5.82	Unit Drawing	DGBU-061
OverLoad	830-10024	Unit BOM	32Y360-4
Relay	820-10031	Unit MODEL	AE4440Y-AA1AGB
Run Capacitor		Receiver	51085-1H
Run Capacitor Rating		Unit Drawing	DGBU-061R
Start Capacitor	85PS165D64		
Start Capacitor Rating	324-389 MFD 165V	Unit BOM	32Y360-5
		Unit MODEL	AE4440Y-AA1AGC
Fan Motor	NUT6B09PUN301	Receiver w/Liquid Valve	51085-1HV
Fan Motor RLA	0.58	Suction Valve	56580-1
Fan Blade	4VEA010	Unit Drawing	DGBU-061V



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR
REF. DWG. MD472-1

WARNING - WIRING DIAGRAM MUST BE FOLLOWED
AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS
ELECTRICAL HAZARD AND POTENTIAL DAMAGE
OR RUPTURE OF COMPONENT ELECTRICAL PARTS.

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