



Tecumseh Products Company

Hermetic Condensing Unit



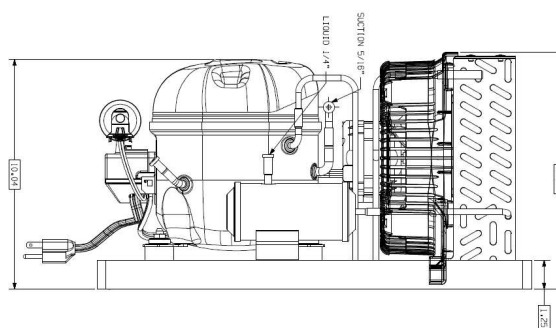
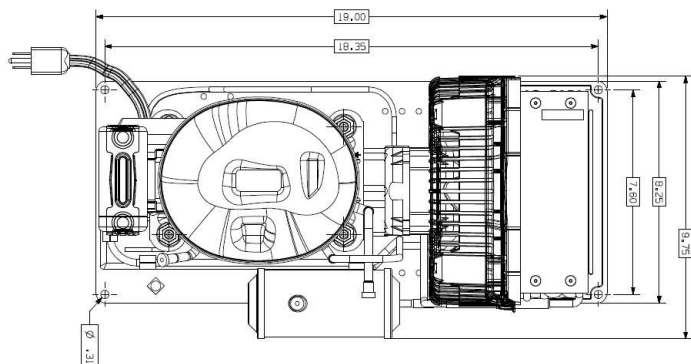
Tecumseh

Model: AE2415Z-AA1AGB

BoM: 33Y328-4RG

R-404A

1/3 HP



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE2415Z-AA1AGB	19.0	9.75	10.4	10.0	5/16" S	1/4" S	1.53	242	9.5	40.2

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

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
-30	9.8	910	300	91	820	300	100	740	300	110			
-25	12.9	1040	320	93	940	320	102	850	320	111	750	320	121
-20	16.2	1190	340	95	1070	340	104	960	350	113	850	350	122
-15	19.9	1350	360	97	1220	370	106	1090	370	115	960	370	124
-10	23.8	1520	390	99	1370	390	108	1220	400	117	1080	400	126
-5	28.1	1700	410	102	1530	420	110	1370	430	119	1210	430	128
0	32.8	1880	440	104	1690	450	113	1510	460	121	1340	460	130
5	37.9	2070	470	107	1860	480	115	1660	490	124	1470	500	132
10	43.3	2260	500	109	2030	510	118	1810	520	126	1600	530	134

60 Hz Performance

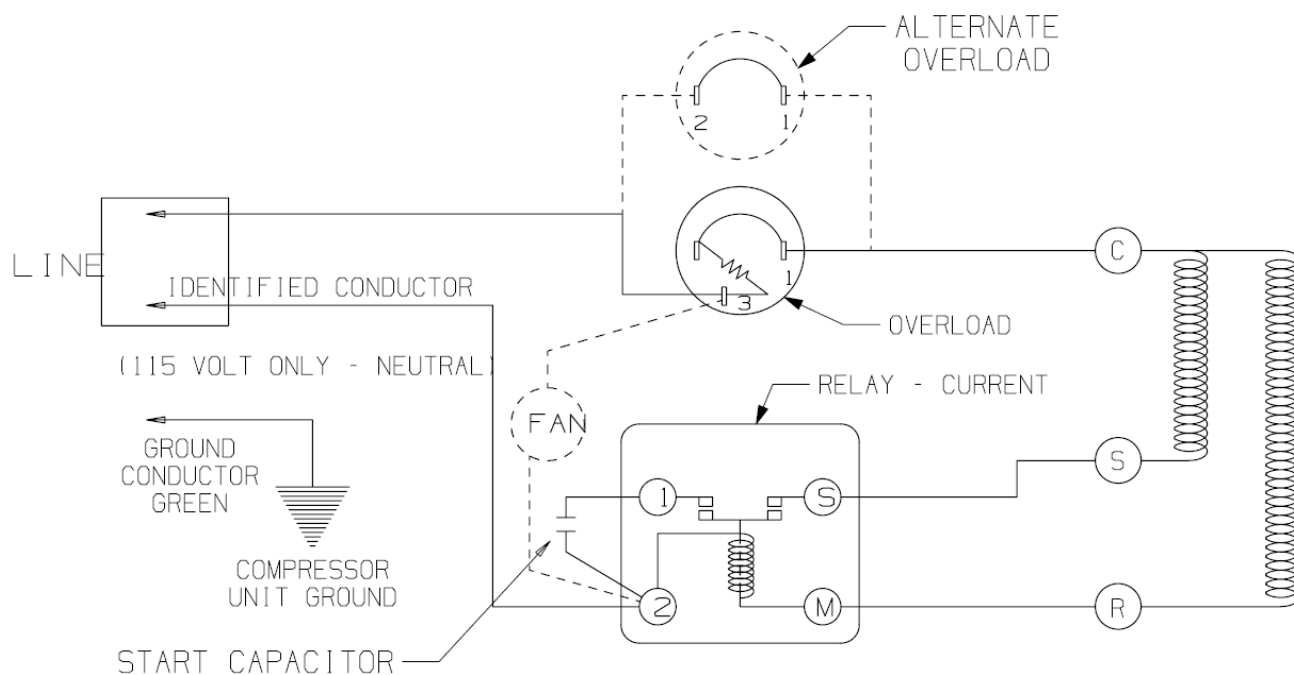
Return gas temp. 40°F, 5°F sub cooling

Specifications/ Parts:

Unit Model	AE2415Z-AA1AGB
Unit Bill of Material	33Y328-4RG
Refrigeration Range	-40°F to 10°F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	115/60/1
Voltage Range	103.5 - 126.5
Min. Circuit Ampacity	6.82
Max. Fuse Size (amps)	15
Compressor Model	AE2415Z-AA1A
Comp. Bill of Material	AE1157E-679-J7
Compressor RLA/LRA	4.99 / 32
Overload	T90731-24-ZP
Relay	820-10087
Run Capacitor	N/A
Start Capacitor	85PS165D89

Fan Motor	810L009B96
Fan Motor RLA	0.58
Fan Blade	51578
Fan Shroud	71032
Fan Guard	116-003P
Condenser	50734-G04
Receiver Tank	51085-1H
Liquid Valve	N/A
Suction Valve	N/A
Power Cord	85106-10
Unit Drawing	DGBU-067R
Sales Drawing	SUGB-067R
Wiring Diagram	DEAE32
Replacement Kit: Relay	K71-39
Replacement Kit: O/L	K90-59
Replacement Kit: St. Cap	K146-28

Electrical Diagram



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR
REF. DWG. MD-472-1