



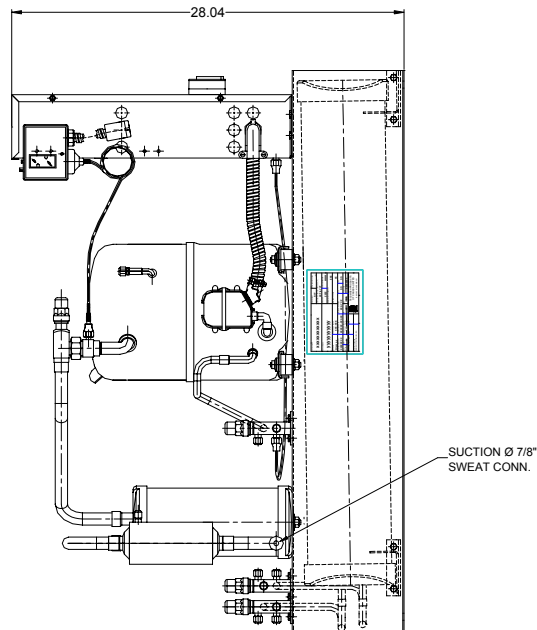
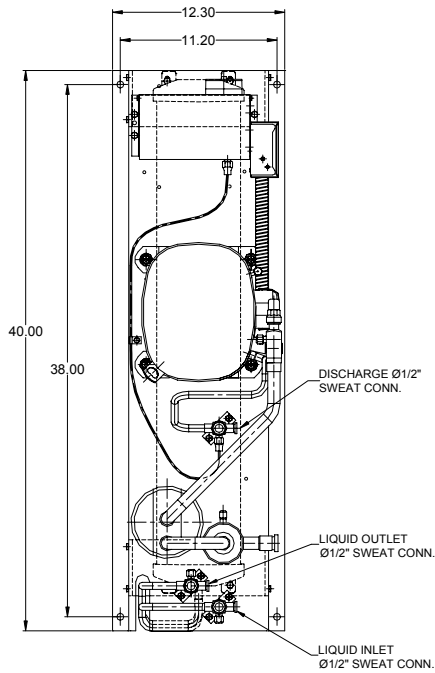
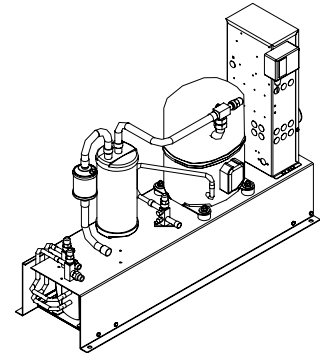
# TECUMSEH HERMETIC CONDENSING UNIT

AWG4520EXTRL  
TPC\_\_rev 01  
July 13, 2004

**Model**                                    **AWG4520EXTRL**  
**BOM**                                       **2R3216-2**  


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**Remote Condenser**   **1 3/4 HP**  
**Application**           **High Temp**  
**Refrigerant**           **R 22**



Model	Dimensions (inch)			Line connections		Pumpdown	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid In/Out	90% @ 90°F	Oz.	Lbs.
<b>AWG4520EXTRL</b>	40.00	12.25	28.04	5/8 Sweat	1/2 Sweat	38.50	38	180

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

Evaporator	Condensing Temperatures													
	95°F		100°F		110°F		115°F		120°F		130°F		140°F	
°F	BTUH	Watts	BTUH	Watts	BTUH	Watts	BTUH	Watts	BTUH	Watts	BTUH	Watts	BTUH	Watts
5	9368	1181	8823	1195	7777	1215	7279	1221	6800	1223	5905	1218	<del>5102</del>	<del>1200</del>
10	11001	1255	10407	1276	9256	1310	8702	1323	8164	1332	7143	1341	6205	1337
20	14744	1386	14043	1421	12661	1483	11985	1510	11320	1533	10029	1571	8801	1597
30	19173	1492	18352	1541	16716	1633	15904	1674	15099	1712	13513	1780	11971	1836
40	24353	1570	23398	1635	21482	1757	20523	1813	19565	1867	17659	1966	15776	2054
<b>45</b>	<b>27243</b>	<b>1599</b>	<b>26218</b>	<b>1672</b>	<b>24152</b>	<b>1809</b>	<b>23114</b>	<b>1873</b>	<b>22075</b>	<b>1935</b>	<b>20000</b>	<b>2050</b>	<b>17938</b>	<b>2154</b>
50	30345	1620	29246	1701	27024	1854	25904	1926	24781	1996	22530	2127	20282	2248
55	33667	1634	32490	1723	30106	1892	28901	1972	27691	2050	25257	2198	22817	2335

Performance @ 60 Hz, SuperHeat 20°F, --- SubCooling 15°F, --- Ambient 95°F

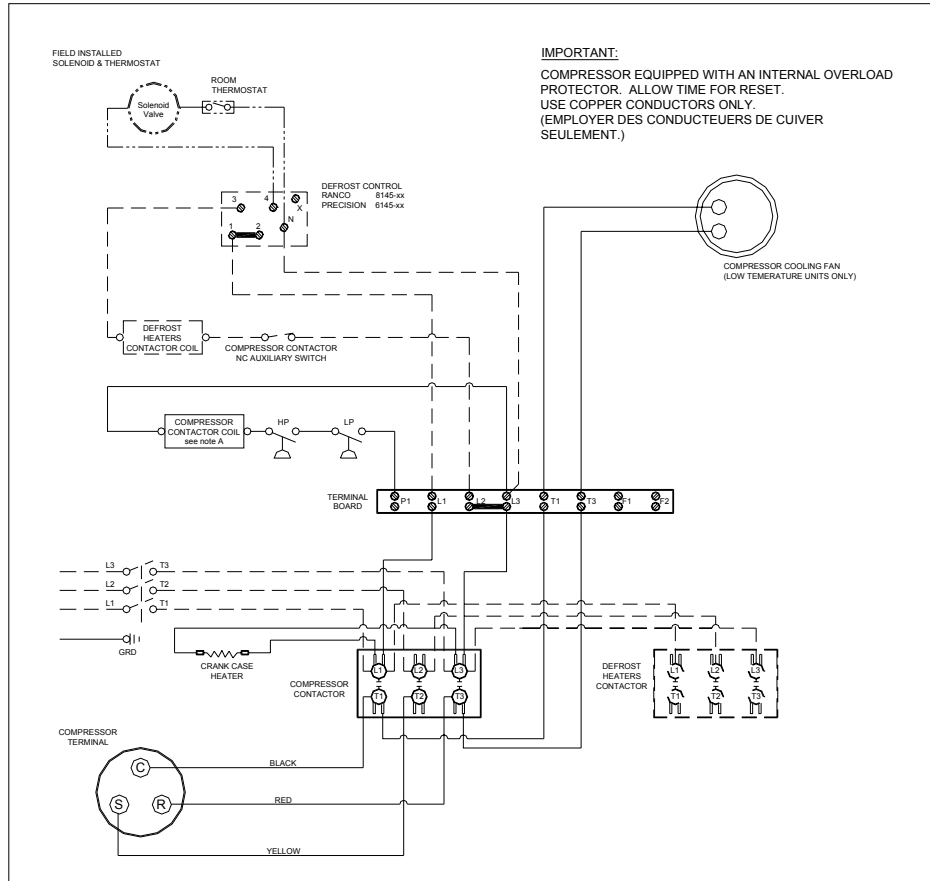
Parts/Specifications

STANDARD		OPTIONAL	
Unit BOM	2R3216-2	Fan Motor	
Unit MODEL	AWG4520EXTRL	Fan Motor RLA	
		Fan Blade	
Refrigeration RANGE	+20F TO +55F		
Design Pressure Low	150	High Pressure switch	84095-1
Design Pressure High	450	Low Pressure Control	84026-D
Volts - HZ - Ph	200-230-60-3	Dual Pressure Control	
Voltage Range	253 - 180		
Min. Circuit Ampacity	7.8	Receiver	51083
Max. Fuse Size	15	Accumulator	TK00042000
		Receiver In Valve	56566
Compressor MODEL	AWG5520EXT	Receiver Out Valve	56566
Compressor BOM	AW703RT-121-A2	Discharge Valve	56566
Compressor LRA	51	Suction Valve	31531-1
Compressor RLA	6.1	Process Valve	
		Suction Filter (5/8)	50822-6S
OverLoad	Internal		
Relay		CrankCase Heater	91022-1
Run Capacitor			
Run Capacitor Rating			
Start Capacitor			
Start Capacitor Rating			
Contactor	91014		
Unit Drawing	DGU1918-3R		
Wiring no Fan controls	WD23-RT2		

BOM INDEX DESCRIPTION

2Rxxxx- 2TnDS

- T1 Defrost timer option
- T2 Defrost timer & Defrost Heaters Contactor
- D Disconnect
- S Solenoid liquid Valve (supplied loose)



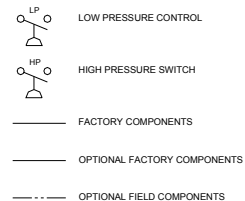
NOTES

FIELD WIRING NOTES

1. ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
3. PLACE JUMPER ACROSS P1 AND L1 IN TERMINAL BOARD IF NO OTHER CONTROLLING DEVICE IS INSTALLED.
4. DEFROST HEATERS LOADS SHOULD NOT BE HIGHER THEN THE MAXIMUM HEATERS LOAD INDICATED ON THE UNIT LABEL.

GENERAL NOTES:

- A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
- B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.



CONDENSING UNIT WIRING, 230V 60Hz 3 Ph, Remote Condenser, T1 & T2 defrost options

REVISION **A** MAR 22 2004 **WD23-RT2**