

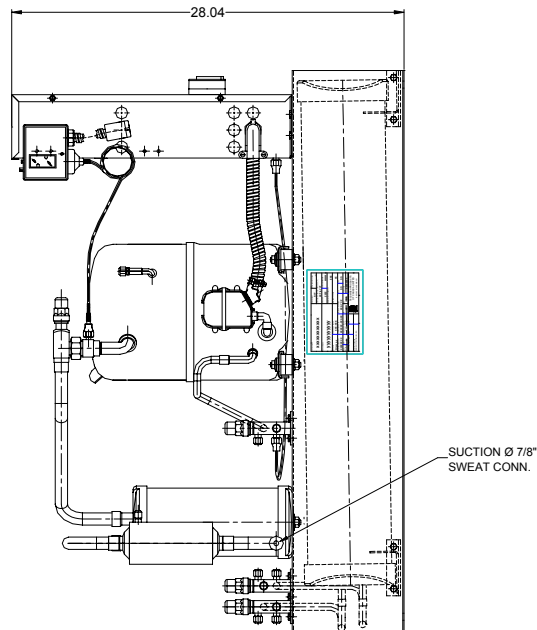
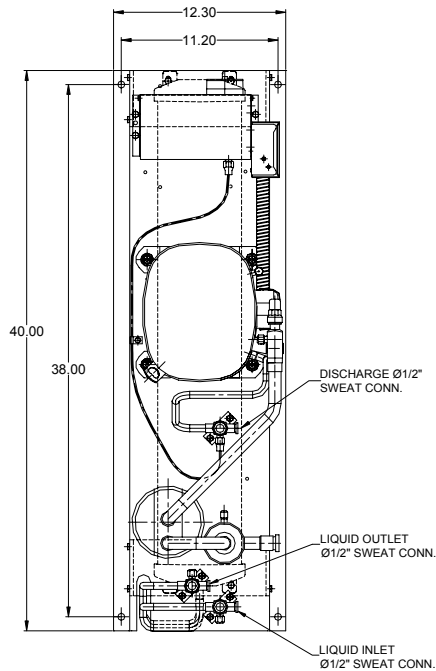
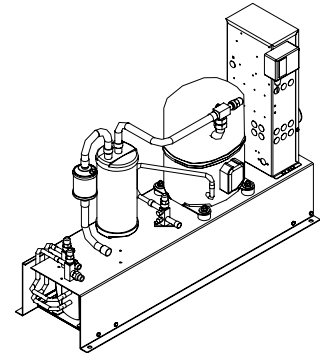


TECUMSEH HERMETIC CONDENSING UNIT



AWG4524EXTRL
TPC__rev 01
July 13, 2004

Model AWG4524EXTRL
BOM 2R2108-2
Remote Condenser 2 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.
AWG4524EXTRL	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	11369	1408	10756	1424	9509	1449	8877	1458	8239	1463	6949	1465	5644	1450
10	13343	1499	12688	1523	11361	1566	10691	1584	10017	1599	8658	1619	7290	1624
20	17691	1650	16932	1691	15406	1768	14640	1803	13872	1836	12336	1893	10799	1936
30	22709	1767	21820	1824	20040	1933	19152	1985	18264	2035	16495	2128	14737	2208
40	28563	1856	27516	1928	25430	2069	24391	2137	23357	2203	21302	2329	19269	2444
45	31855	1893	30719	1972	28459	2127	27336	2203	26218	2278	24000	2420	21809	2552
50	35418	1925	34186	2011	31739	2181	30524	2264	29316	2346	26921	2505	24560	2653
55	39271	1953	37937	2046	35289	2230	33976	2321	32671	2411	30087	2584	27541	2749

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

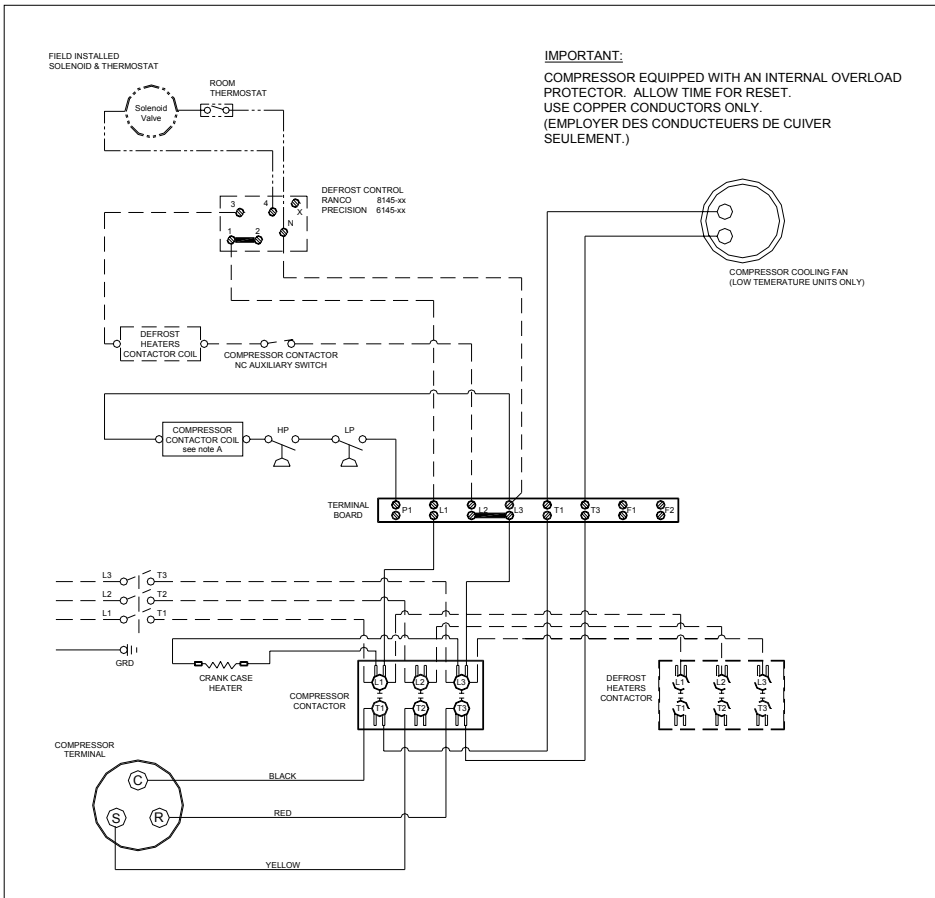
Parts/Specifications

STANDARD		OPTIONAL	
Unit BOM	2R2108-2	Fan Motor	
Unit MODEL	AWG4524EXTRL	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	9.3	Receiver	51083
Max. Fuse Size	15	Accumulator	TK00042000
		Receiver In Valve	56566
Compressor MODEL	AWG5524EXT	Receiver Out Valve	56566
Compressor BOM	AW705RT-120-A2	Discharge Valve	56566
Compressor LRA	50	Suction Valve	31531-1
Compressor RLA	7.3	Process Valve	31583-1
		Suction Filter (5/8)	70822-6S
OverLoad	Internal		
Relay		CrankCase Heater	91022-1
Run Capacitor			
Run Capacitor Rating			
Start Capacitor			
Start Capacitor Rating			
Contactor	91014		
Unit Drawing	DGU1918-1R		
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)

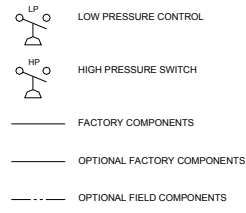


IMPORTANT:
 COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.)

NOTES

- FIELD WIRING NOTES**
- ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
 - 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 CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
 - PLACE JUMPER ACROSS P1 AND L1 IN TERMINAL BOARD IF NO OTHER CONTROLLING DEVICE IS INSTALLED.
 - DEFROST HEATERS LOADS SHOULD NOT BE HIGHER THEN THE MAXIMUM HEATERS LOAD INDICATED ON THE UNIT LABEL.

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



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

A	REVISION	WD23-RT2
	MAR 22, 2004	