

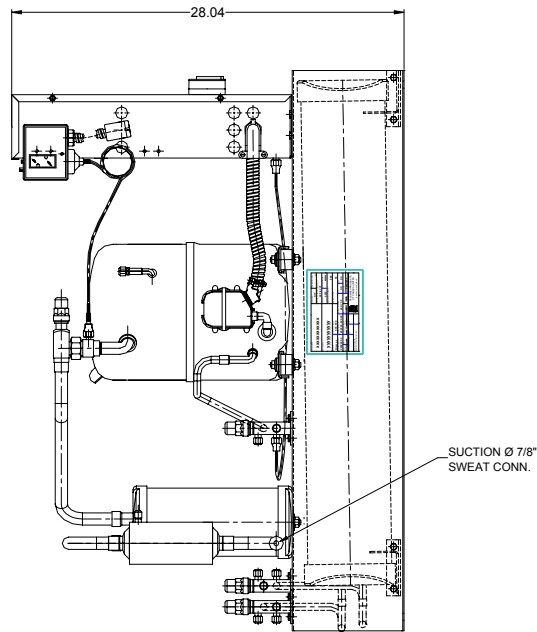
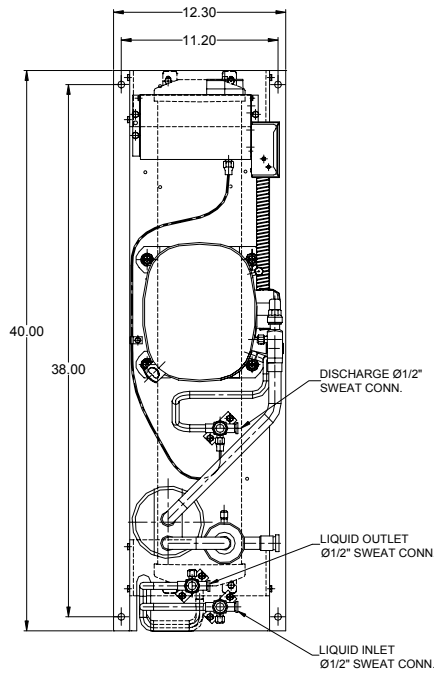
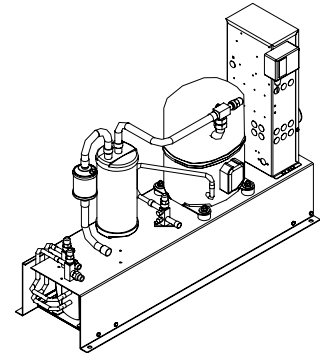


TECUMSEH HERMETIC CONDENSING UNIT

AWG4520EXNRL
TPC__rev 01
July 13, 2004

Model **AWG4520EXNRL**
BOM **2R3215-2**

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.
AWG4520EXNRL	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	9529	1247	9014	1259	7989	1284	7486	1296	6992	1308	6047	1327	5173	1337
10	11210	1319	10635	1334	9489	1365	8923	1381	8366	1395	7291	1419	6289	1435
20	14993	1443	14294	1468	12892	1519	12195	1544	11505	1567	10157	1609	8874	1641
30	19434	1536	18602	1576	16928	1656	16092	1694	15260	1731	13624	1799	12044	1856
40	24646	1591	23673	1651	21711	1768	20728	1825	19747	1879	17806	1982	15912	2073
45	27577	1603	26531	1674	24419	1813	23359	1880	22300	1946	20200	2070	18143	2181
50	30744	1603	29622	1686	27356	1849	26217	1929	25079	2006	22816	2154	20592	2288
55	34161	1590	32962	1687	30537	1877	29317	1969	28097	2060	25667	2232	23272	2391

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

Parts/Specifications

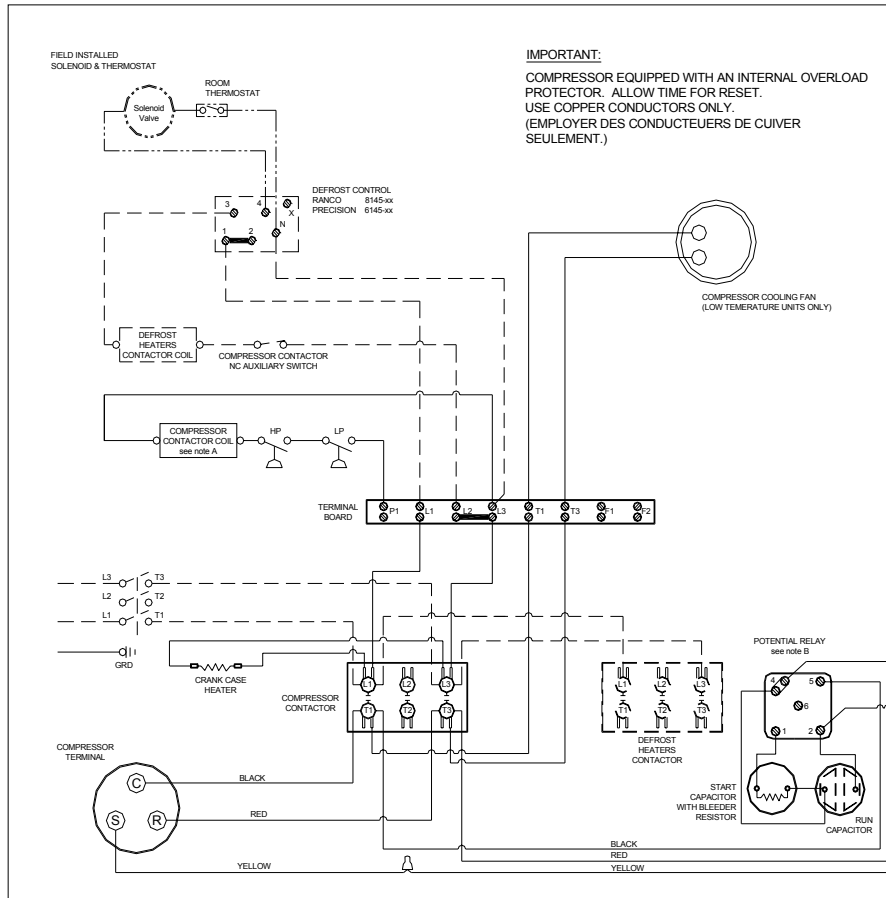
STANDARD		OPTIONAL	
Unit BOM	2R3215-2	Fan Motor	
Unit MODEL	AWG4520EXNRL	Fan Motor RLA	
		Fan Blade	
Refrigeration RANGE	+20F TO +55F		
Design Pressure Low	150	High Pressure switch	84095-1
Design Pressure High	450	Low Pressure Control	84026-D
Volts - HZ - Ph	208-230-60-1	Dual Pressure Control	
Voltage Range	253 - 197		
Min. Circuit Ampacity	12.1	Receiver	51083
Max. Fuse Size	20	Accumulator	TK00042000
		Receiver In Valve	56566
Compressor MODEL	AWG5520EXN	Receiver Out Valve	56566
Compressor BOM	AW703ET-111-A2	Discharge Valve	56566
Compressor LRA	52	Suction Valve	31531-1
Compressor RLA	9.5	Process Valve	
		Suction Filter (5/8)	50822-6S
OverLoad	Internal		
Relay	820ARR3H23	CrankCase Heater	91022-1
Run Capacitor	85PR370F20		
Run Capacitor Rating	25MFD 370V(M)VDE		
Start Capacitor	85PS330D17		
Start Capacitor Rating	145-175 MFD 330V		
Contactors	91014		
Unit Drawing	DGU1918-3R		
Wiring no Fan controls	WD21-RT2		

BOM INDEX DESCRIPTION

2Rxxxx-2TnDS

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

WARNING: Installer must validate that tubing is sized in such a manner to insure adequate oil return. Oil level may require adjustment for long pipe runs.



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, AND L3 IN COMPRESSOR CONTACTOR (L1 AND L2 IF TWO POLE CONTACTOR) OR TO L1 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.
- 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:

- A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
- B. WITH ANY T.P.Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION
- C. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.

LP LOW PRESSURE CONTROL

HP HIGH PRESSURE SWITCH

FACTORY COMPONENTS

OPTIONAL FACTORY COMPONENTS

OPTIONAL FIELD COMPONENTS

CONDENSING UNIT WIRING, 230V 60Hz 1 Ph, REMOTE CONDENSER, T1 & T2 defrost options

A
REVISION

WD21-RT2
MAY 22, 2004