

TECUMSEH HERMETIC CONDENSING UNITS

AVA2512ZXNXW

Date: Jan. 10, 1999

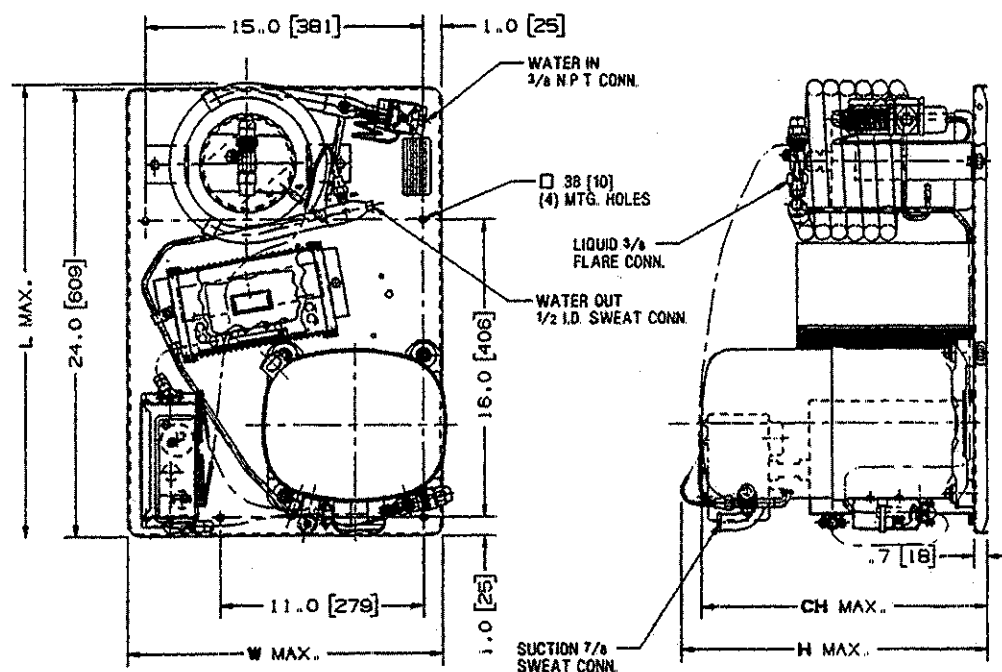
Revision 2003

MODEL AVA2512ZXNXW (2B3143-9)

R404A

3 HP

WATER COOLED



NOTE:
DIMENSIONING = INCHES (MILLIMETERS)

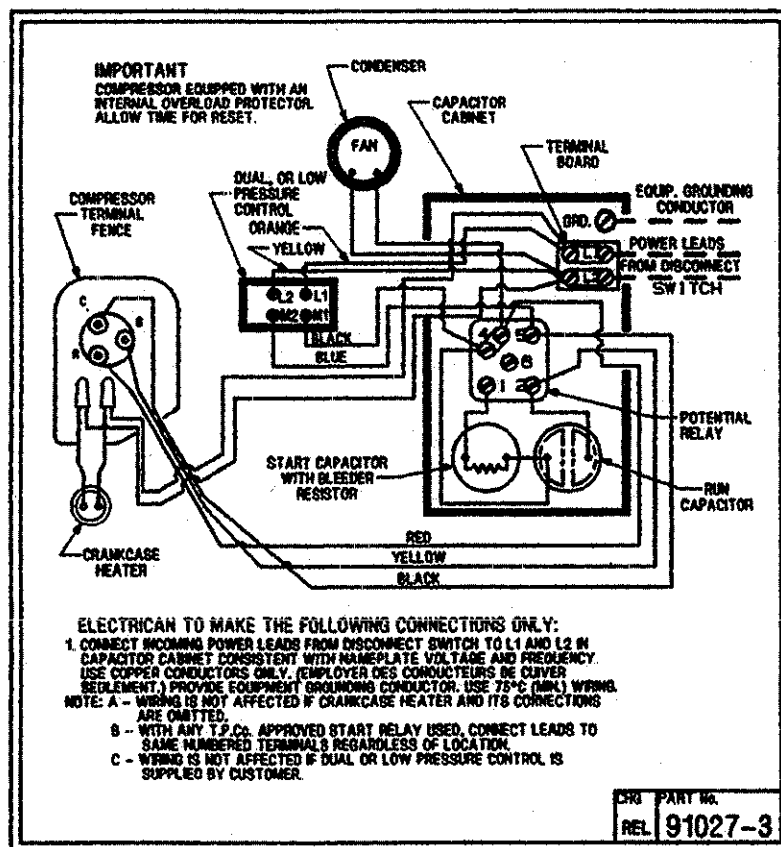
POE

Model	Dimensions				Line Connections		Pumpdown 90°F 90% Full	Oil Chg Oz.	Gross Wt. Lbs.
	L	W	H	CH	Suction	Liquid			
AVA2512ZXNXW	24.3	17.0	16.6	14.6	7/8 S	3/8 F	5.6#	54	119
*F=Flare, S=Solder, RF or RS=Rotolock Valve w/Flare or Solder Connections Factory Chrg: 20 psig Nitrogen - MUST BE EVACUATED						Use 3/8" min. pipe size. Water valve inlet 3/8" NPT.			
Performance: Ambient 90°F--Return Gas 40°F--Condenser Water In 75°F--Head 254 psig									
Evaporator Temp °F	-40	-30	-20	-10	0	10			
BTU/HR.	3570	5975	8900	12540	17075	22650			
Water Usage - gpm	0.9	1.5	2.2	3.1	4.3	5.7			
Watts	1190	1645	2140	2645	3130	3570			
The water valve should be adjusted to maintain a maximum of 95°F water outlet temperature in order to minimize water scaling within the condenser.									

Date: January 2003
Unit Catalog Update

SPECIFICATIONS AVA2512ZXNXW
Nominal Voltage 230/208-1
Unit B/M 2B3143-9
Voltage Range 253 to 187
Min. Circuit Ampacity 20.7
Max. Fuse Size (Amps) 35
Compressor Model AVA2490ZXN
Comp. Bill of Material AV195ET-037
RLA/LRA 16.3/106.6
ESP Overload Internal
ESP Relay P82966
Capacitor Cabinet AE1397-036
Start Capacitor 85PS330D17
Rating 145-175MFD/330V
Run Capacitor 85PR440E65/P85E85
Rating 45MFD/440V

Control 84087-2 (Dual)
Fan Motor (OEM) 810M009B47
Fan RLA .27RLA
Replacement Motor TFM92
Fan Motor Bracket 57155
Fan Blade 51559-2
Guard/Grill 71085 & 70830-1 (Grill)
Condenser 50827-1
Receiver Tank 51081
Receiver Tank Valve 31547-8 (3/8"F) RL
O' Ring Gasket 30334
Process Valve 31583-1 (1/4"F PV)
Shut Off Valve 56516 (3/8"TD)WRV
Unit Drawing SU1920-6
Schematic or Elect. Drawing 91027-3



Some parts listed may be optional or listed as replacement parts.