



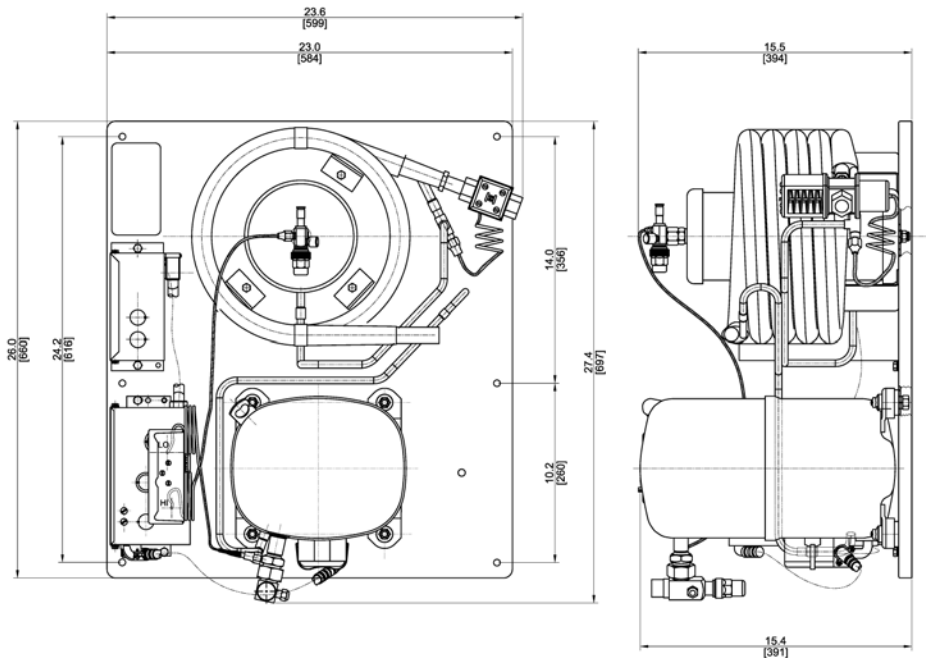
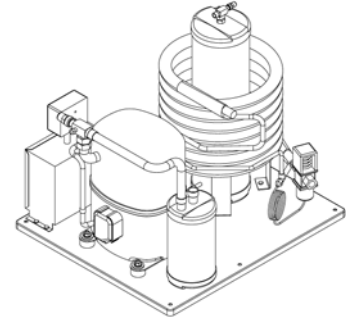
# TECUMSEH HERMETIC CONDENSING UNIT

AVA4535EXNXW  
TPC\_\_rev 03  
January 26, 2004

**Model** AVA4535EXNXW  
**BOM** 2W3105-1

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**Water Cooled** 3 1/2 HP  
**Application** High Temp  
**Refrigerant** R 22



Model	Dimensions, inches				Line connection*		Pumdown	Oil Ch	Gr. Wt
	L	W	H	CH	Suction	Liquid	90° 90%	Oz.	Lbs.
AVA4535EXNXW	27.4	23.6	15.5	15.4	7/8"S	1/2"S	14.4	55.0	134.0
*) Use 3/4" min. pipe size. Water inlet 1/2" NPT									
Performance: Ambient 95 °F -- Return Gas 40 °F -- Condenser water in 75 °F -- Head 254 PSIG									
Evaporator temperature °F		20	25	30	35	40	45		
Capacity BTU/HR		19932	23330	26727	30941	35155	39370		
Water Usage gpm		2.6	2.95	3.3	3.7	4.1	4.5		
Watts		2418	2556	2685	2804	2915	3024		
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.									

Parts/Specifications			
Unit BOM	2W3105-1	OverLoad	internal
Unit MODEL	AVA4535EXNXW	Relay	82457
		Run Capacitor	85PR370E63
Refrigeration RANGE	+20F TO +55F	Run Capacitor Rating	40MFD 370V
Design Pressure Low	150	Start Capacitor	85PS330D16
Design Pressure High	450	Start Capacitor Rating	130-156 MFD 330V
Volts - HZ - Ph	208-230-60-1	CrankCase Heater	90699
Min. Circuit Ampacity	20	High Pressure switch	
Max. Fuse Size	35	Low Pressure Control	
		Dual Pressure Control	84097-D
Compressor MODEL	AVA5535EXN	Contactora	91014
Compressor BOM	AV122ET-029-A4	Condenser	50869
Compressor LRA	88	Water Valve	56516-1
Compressor RLA	17.6	Liquid Valve	31581-1
		Suction Valve	31529-1
Unit Drawing	DGU1920-13W	Receiver	51081-1
Electrical Drawing	91027-4	Accumulator	

