

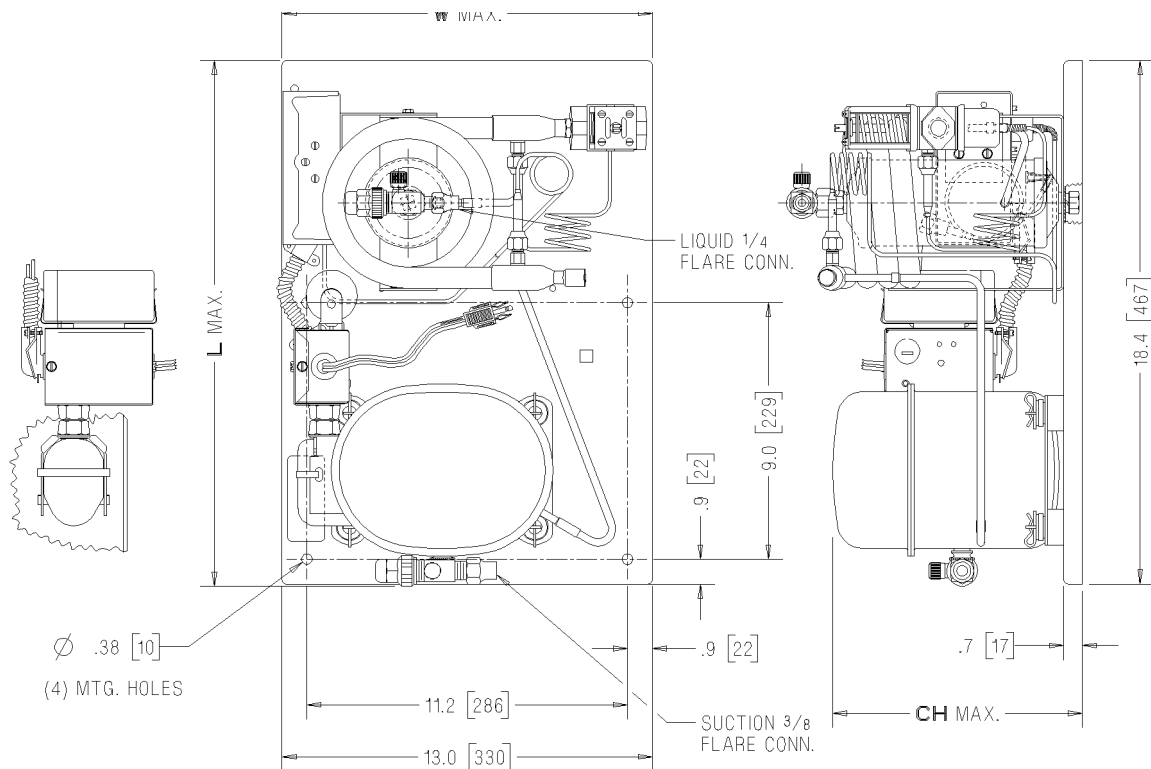
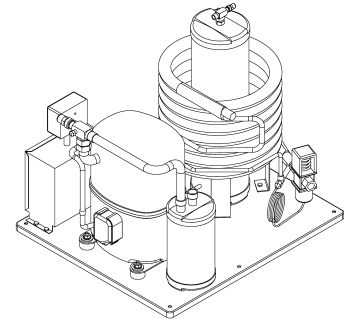
# TECUMSEH HERMETIC CONDENSING UNIT

AEA4440YXAXW  
TPC rev 02  
October 21, 2003

**Model**            **AEA4440YXAXW**  
**BOM**              **2C391-1**

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**Water Cooled**   **1/3 HP**  
**Application**     **High Temp**  
**Refrigerant**     **R 134a**



Model	Dimensions, inches				Line connection*		Pumdown	Oil Ch	Gr. Wt
	L	W	H	CH	Suction	Liquid			
AEA4440YXAXW	18.4	13.0	10.5	8.8	3/8"F	1/4"F	2.5	10.0	45.0

\*) Use 3/8" min. pipe size. Water inlet 3/8" NPT

Performance: Ambient 90 °F -- Return Gas 65 °F -- Condenser water in 75 °F -- Head 135 PSIG

Evaporator temperature °F	20	25	30	40	45	50
Capacity BTU/HR	2500	2850	3200	4100	4600	5200
Water Usage gpm	0.28	0.32	0.35	0.46	0.53	0.60
Watts	435	453	470	520	550	580

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	2C391-1	OverLoad	8300MRPD86
Unit MODEL	AEA4440YXAXW	Relay	8200EMBH20
		Run Capacitor	
Refrigeration RANGE	+20F TO +55F	Run Capacitor Rating	
Design Pressure Low	150	Start Capacitor	85PS110C90
Design Pressure High	235	Start Capacitor Rating	145-175 MFD 110V
Volts - HZ - Ph	115-60-1	CrankCase Heater	
Min. Circuit Ampacity	9	High Pressure switch	
Max. Fuse Size	15	Low Pressure Control	
		Dual Pressure Control	84097-D
Compressor MODEL	AEA4440YXA	Contactors	
Compressor BOM	AE630AT-668-A2	Condenser	50846
Compressor LRA	32.7	Water Valve	56516
Compressor RLA	7.2	Liquid Valve	31584-1
		Suction Valve	
Unit Drawing	DGU1896-104	Receiver	51080-1
Electrical Drawing	90314-6	Accumulator	

