



TECUMSEH OUTDOOR CONDENSING UNIT

Model AWA9490ZXNHS

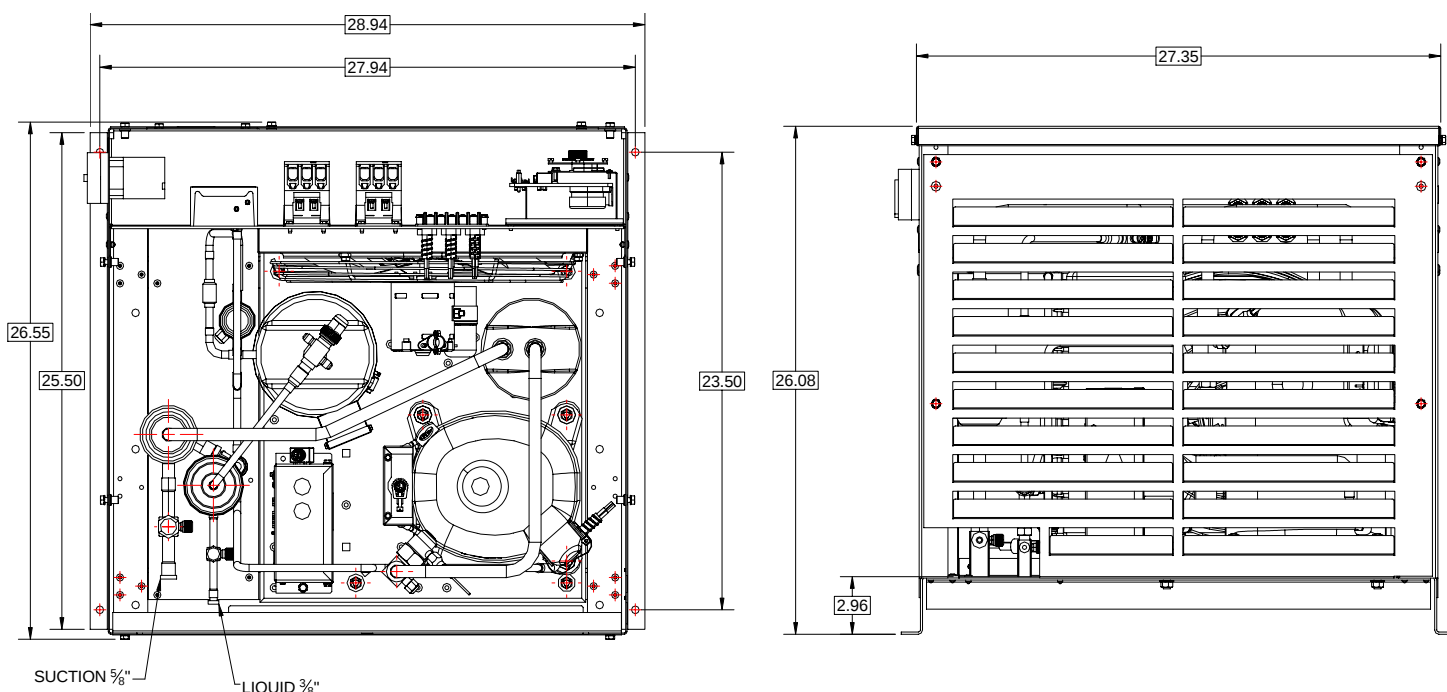
BOM 32L1138-2E*

Air Cooled 7/8 HP

Application Commercial Temp

Refrigerant R404A

Volts-Hz-Ph 208-230/60/1



AWA9490ZXNHS	Overall Dimensions, inch (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs. (kg)
	26.55 (674)	28.94 (735)	26.08 (662)	5/8"	3/8"	15.70 lbs	750	38.6	200 (91)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures														
		80°F			90°F			95°F			100°F			110°F		
T, °F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.2	5900	1250	92	5200	1240	101	4800	1230	105	4500	1220	110	3800	1160	119
-5	27.5	6700	1330	94	5900	1330	103	5500	1330	107	5100	1310	112	4200	1260	120
0	32.1	7700	1420	96	6700	1420	105	6200	1420	109	5800	1410	114	4800	1360	122
5	37.0	8700	1510	98	7600	1510	107	7100	1520	111	6500	1510	116	5400	1470	124
10	42.4	9800	1600	101	8500	1610	109	8000	1620	114	7400	1610	118	6200	1580	126
15	48.2	10900	1690	103	9600	1710	112	8900	1720	116	8300	1720	120	6900	1700	128
20	54.5	12200	1780	106	10700	1810	114	10000	1820	118	9300	1830	123	7800	1810	130
25	61.2	13500	1880	108	11900	1910	117	11100	1930	121	10400	1940	125	8800	1930	133
30	68.4	14900	1980	111	13200	2020	119	12300	2040	124	11500	2050	127	9800	2050	135
35	76.1	16400	2090	114	14500	2130	122	13600	2150	126	12700	2160	130	10900	2170	137
40	84.4	18000	2190	117	15900	2240	125	15000	2260	129	14000	2280	133	12100	2300	140
45	93.2	19600	2300	120	17500	2350	128	16400	2380	132	15400	2400	135	13400	2430	142
50	103.0	21400	2410	123	19000	2470	131	18000	2500	135	16900	2520	138	14700	2560	145

Performance @ 60 Hz, Return gas 40°F below 20°F Evaporator and 65°F above 20°F evaporator, SubCooling 5°F

* **OPTION CODE:** See reverse side for Available Options

Parts/Specifications

STANDARD				AVAILABLE OPTIONS	
Unit BOM	32L1138-2E	Fan Motor	810F050C20	32Lxxxx-2ER(F)ATnD R Heated/Insulated Receiver F Fixed Fan Control A Adjustable Fan Control T1 Air Defrost Timer T2 Electrical Defrost Timer & Defrost Heater Contactor D Disconnect Switch (nonfused)	
Unit MODEL	AWA9490ZXNHS	Replacement Fan Motor	50W230		
		Fan Motor Qty	1		
Refrigeration Range	-10°F to 50°F	Fan Motor RLA	0.7		
Design Pressure Low / High	181 / 450	Fan Blade	51568-1		
Volts - HZ - Ph	208-230V ~ 60HZ	Fan Guard	70831	AVAILABLE ACCESSORIES Solenoid Valve (supplied loose) KSVC-264 Hail Louver Assy LLPG-101	
Voltage Range	187 - 253	Shroud	70727-2		
Min. Circuit Ampacity	14.42				
Max. Fuse Size	25	High Pressure Switch	84095-2L		
		Low Pressure Control	84026-2		
Compressor MODEL	AWA9490ZXN	Dual Pressure Control		REPLACEMENT PARTS Receiver Heater (R option) 92124-2 Receiver Thermostat (R option) 84102-2 Fixed Fan Control (F option) Adjustable Fan Control (A option)	
Compressor BOM	AW616ET-111-A2				
Compressor LRA	52	Head Master Valve	70083		
Compressor RLA	10.64	Check Valve	56626		
		Process Valve			
OverLoad	Internal	Discharge Valve (Base)	56618	Defrost Timer (T1 or T2 option) 84110 Defrost Heater Contactor and Auxiliary Switch (T2 opt.) 91014B and 91014-AUX	
Replacement Kit - O/L		Liquid Valve (Base)	56500-K06		
Relay	820ARR3H23	Liquid Valve (Receiver)	31590		
Replacement Kit - Relay		Suction Valve (Base)	56500-K10		
Run Capacitor	85PR370F17	Suction Valve (Rotolock)	31531-1		
Run Capacitor Rating	35 MFD, 370 V			Disconnect (D option) LDSG-301	
Start Capacitor	85PS330D69	Condenser	50857-1		
Start Capacitor Rating	145-175 MFD, 330 V	Receiver	51082-1K		
Contactors	91014B	Accumulator	TK00042000		
		Liquid Filter	70139		
Unit Drawing	DGU1918-L111	Sight Glass	70084-S		
Wiring Diagram	WD21-1T2	Suction Filter	70822-6S		
Wiring Diagram (A or F opt.)		CrankCase Heater	91022-1		

