



Tecumseh

August 4, 2010

Tecumseh Compressor Company

Hermetic Condensing Units

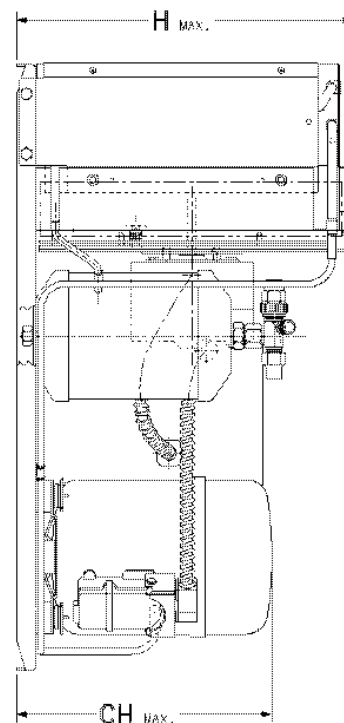
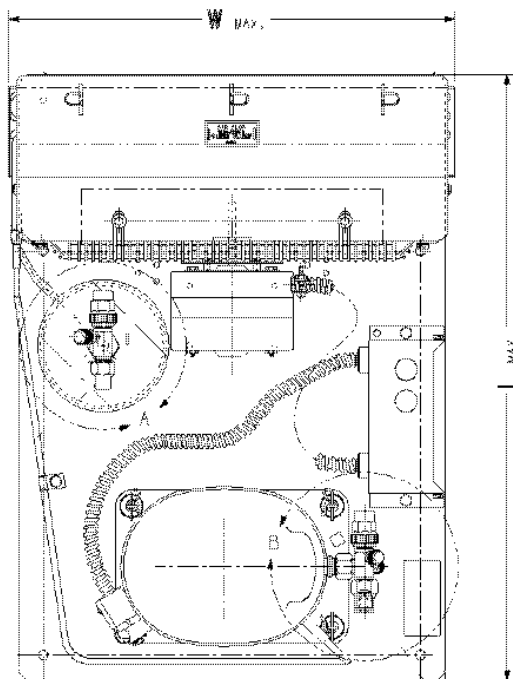
Model: AKA9460ZXAXC

BoM: 2C724-1

R-404A

3/4 HP

AIRCOOLED



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AKA9460ZXAXC	24.3	18.0	14.0	10.2	1/2" F	1/4" F	6.0 lbs	600	17	87

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
 Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T.		90°F				100°F				110°F			
°F	PSIG	BTUH	Watts	Cond T		BTUH	Watts	Cond T		BTUH	Watts	Cond T	
-10	23.9	3054	924	104		2569	888	112		2090	870	121	
-5	28.2	3481	978	106		2965	952	115		2431	945	123	
0	32.8	3936	1034	108		3383	1019	117		2793	1021	125	
5	37.9	4419	1094	110		3824	1088	119		3175	1098	127	
10	43.3	4930	1157	112		4287	1159	122		3577	1177	129	
15	49.2	5470	1224	114		4772	1233	124		4000	1258	131	
20	55.5	6038	1294	117		5279	1309	127		4443	1340	133	
25	62.2	6633	1366	119		5809	1388	129		4907	1423	135	
30	69.5	7257	1443	121		6361	1469	131		5390	1508	137	
35	77.2	7909	1522	124		6935	1552	134		5895	1594	139	
40	85.5	8590	1605	127		7532	1638	137		6419	1682	142	
45	94.3	9298	1690	129		8151	1726	140		6964	1771	144	

60 Hz Performance

Return gas temp. 40°F, 5°F sub cooling

Specifications/ Parts:

Model	AKA9460ZXAXC
Unit Bill of Material	2C724-1
Nominal Volts-Hz-Ph	115-60-1
Refrigeration Range	-10° F to +45° F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	126.5 to 103.5
Min. Circuit Ampacity	12.9
Max. Fuse Size (amps)	25
Compressor Model	AKA9451ZXA
Comp. Bill of Material	AK170AT-038-P2
Compressor RLA/LRA	8.8 / 50.0
Overload	8300MRAM81
Relay	820ARR3D10
Run Capacitor	85PR370F20
Run Capacitor Rating	25 mfd @ 370V
Start Capacitor	85PS250C30
Start Capacitor Rating	72-88 mfd @ 250V
Contactor	N/A
Unit Drawing	DGU1909-25
Wiring Diagram	90719

Fan Motor	810F050B62
Fan Motor RLA	2.0
Fan Blade	51563
Fan Guard	71062
Fan Shroud	70736-1
High Pressure Switch	N/A
Low Pressure Control	N/A
Dual Pressure Control	N/A
Condenser	50802-6
Headmaster Valve *	N/A
Check Valve *	N/A
Receiver Tank	51081
Liquid Valve	31584-1
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve	31579-1
Rotolock Valve Gasket	30334
Discharge Valve *	N/A
Suction Filter *	N/A
Accumulator	N/A
Crankcase Heater *	N/A
Defrost Timer *	N/A
* = Outdoor Units Only	
Options for Outdoor Units	
Receiver Heater	
Solenoid Valve	

Electrical Diagram

