

**Customer Information**

First Name:		Last Name:	
Address:		Phone:	
City:		Email:	
State:	Zip:	Date of Purchase:	

**System Information**

Unit Model:	<b>Fan Coil Unit Serial Number:</b> (Sticker is located on top of the unit in the top right corner)
Condensing Unit Model Number:	<b>Condensing Unit Serial Number:</b> (4000 & 8000 - Sticker is located on top of the electrical box cover) (Mini - Sticker is located on the black panel on top of the condenser coil)

**Installer Information**

Company:		lic#	Date of Start Up:
Address:		Technician Name (print):	
City:		Certification ID Number:	
State:	Zip:	Certification Source (e.g. NATE):	
Company Phone:		Technician Phone:	
Company Email:		Technician Email:	

**NOTE:** For the equipment warranty to be valid, certain professional piping installation and start up procedures are required. WhisperKOOL procedures are expected to be followed and completed by the installing certified HVAC/R service technician. The technician shall be required to be equipped with the proper tools of the trade including: refrigerant 134a, brazing equipment, dry Nitrogen, an accurate manifold gauge set (digital preferred), gauges set to zero when hoses are disconnected, plus a four valve manifold set for evacuation, digital micron gauge, digital scale, deep vacuum pump and accurate digital thermometers. Without the proper equipment, a professional job cannot be accomplished. Evidence of the certified tech's, NATE# or other certification is required.

**IMPORTANT:**

**THESE DOCUMENTS MUST BE COMPLETE AND  
RETURNED TO ACTIVATE WARRANTY**

## Saturation Pressure-Temperature Data for R-134a (psig)\*

Temp. (°F)	Pressure (psig)	Temp. (°C)	Temp. (°F)	Pressure (psig)	Temp. (°C)	Temp. (°F)	Pressure (psig)	Temp. (°C)	Temp. (°F)	Pressure (psig)	Temp. (°C)
-49	<b>18.4</b>	-45.0	1	7.0	-17.2	51	46.6	10.6	101	126.3	38.3
-48	<b>18.0</b>	-44.4	2	7.5	-16.7	52	47.7	11.1	102	128.4	38.9
-47	<b>17.6</b>	-43.9	3	8.0	-16.1	53	48.9	11.7	103	130.6	39.4
-46	<b>17.3</b>	-43.3	4	8.5	-15.6	54	50.0	12.2	104	132.8	40.0
-45	<b>16.9</b>	-42.8	5	9.1	-15.0	55	51.2	12.8	105	135.0	40.6
-44	<b>16.5</b>	-42.2	6	9.6	-14.4	56	52.4	13.3	106	137.2	41.1
-43	<b>16.1</b>	-41.7	7	10.2	-13.9	57	53.6	13.9	107	139.5	41.7
-42	<b>15.7</b>	-41.1	8	10.8	-13.3	58	54.9	14.4	108	141.7	42.2
-41	<b>15.2</b>	-40.6	9	11.3	-12.8	59	56.1	15.0	109	144.0	42.8
-40	<b>14.8</b>	-40.0	10	11.9	-12.2	60	57.4	15.6	110	146.4	43.3
-39	<b>14.4</b>	-39.4	11	12.5	-11.7	61	58.7	16.1	111	148.7	43.9
-38	<b>13.9</b>	-38.9	12	13.1	-11.1	62	60.0	16.7	112	151.1	44.4
-37	<b>13.4</b>	-38.3	13	13.8	-10.6	63	61.3	17.2	113	153.5	45.0
-36	<b>13.0</b>	-37.8	14	14.4	-10.0	64	62.7	17.8	114	156.0	45.6
-35	<b>12.5</b>	-37.2	15	15.0	-9.4	65	64.0	18.3	115	158.4	46.1
-34	<b>12.0</b>	-36.7	16	15.7	-8.9	66	65.4	18.9	116	160.9	46.7
-33	<b>11.4</b>	-36.1	17	16.4	-8.3	67	66.8	19.4	117	163.5	47.2
-32	<b>10.9</b>	-35.6	18	17.0	-7.8	68	68.2	20.0	118	166.0	47.8
-31	<b>10.4</b>	-35.0	19	17.7	-7.2	69	69.7	20.6	119	168.6	48.3
-30	<b>9.8</b>	-34.4	20	18.4	-6.7	70	71.1	21.1	120	171.2	48.9
-29	<b>9.3</b>	-33.9	21	19.1	-6.1	71	72.6	21.7	121	173.8	49.4
-28	<b>8.7</b>	-33.3	22	19.9	-5.6	72	74.1	22.2	122	176.5	50.0
-27	<b>8.1</b>	-32.8	23	20.6	-5.0	73	75.6	22.8	123	179.1	50.6
-26	<b>7.5</b>	-32.2	24	21.3	-4.4	74	77.1	23.3	124	181.8	51.1
-25	<b>6.9</b>	-31.7	25	22.1	-3.9	75	78.7	23.9	125	184.6	51.7
-24	<b>6.3</b>	-31.1	26	22.9	-3.3	76	80.2	24.4	126	187.4	52.2
-23	<b>5.7</b>	-30.6	27	23.7	-2.8	77	81.8	25.0	127	190.2	52.8
-22	<b>5.0</b>	-30.0	28	24.5	-2.2	78	83.4	25.6	128	193.0	53.3
-21	<b>4.3</b>	-29.4	29	25.3	-1.7	79	85.0	26.1	129	195.8	53.9
-20	<b>3.7</b>	-28.9	30	26.1	-1.1	80	86.7	26.7	130	198.7	54.4
-19	<b>3.0</b>	-28.3	31	26.9	-0.6	81	88.4	27.2	131	201.6	55.0
-18	<b>2.3</b>	-27.8	32	27.8	0.0	82	90.0	27.8	132	204.6	55.6
-17	<b>1.5</b>	-27.2	33	28.6	0.6	83	91.8	28.3	133	207.6	56.1
-16	<b>0.8</b>	-26.7	34	29.5	1.1	84	93.5	28.9	134	210.6	56.7
-15	<b>0.1</b>	-26.1	35	30.4	1.7	85	95.2	29.4	135	213.6	57.2
-14	0.4	-25.6	36	31.3	2.2	86	97.0	30.0	136	216.7	57.8
-13	0.7	-25.0	37	32.2	2.8	87	98.8	30.6	137	219.8	58.3
-12	1.1	-24.4	38	33.1	3.3	88	100.6	31.1	138	222.9	58.9
-11	1.5	-23.9	39	34.1	3.9	89	102.5	31.7	139	226.0	59.4
-10	1.9	-23.3	40	35.0	4.4	90	104.3	32.2	140	229.2	60.0
-9	2.4	-22.8	41	36.0	5.0	91	106.2	32.8	141	232.5	60.6
-8	2.8	-22.2	42	37.0	5.6	92	108.1	33.3	142	235.7	61.1
-7	3.2	-21.7	43	38.0	6.1	93	110.0	33.9	143	239.0	61.7
-6	3.6	-21.1	44	39.0	6.7	94	112.0	34.4	144	242.3	62.2
-5	4.1	-20.6	45	40.1	7.2	95	114.0	35.0	145	245.7	62.8
-4	4.6	-20.0	46	41.1	7.8	96	115.9	35.6	146	249.1	63.3
-3	5.0	-19.4	47	42.2	8.3	97	118.0	36.1	147	252.5	63.9
-2	5.5	-18.9	48	43.2	8.9	98	120.0	36.7	148	255.9	64.4
-1	6.0	-18.3	49	44.3	9.4	99	122.1	37.2	149	259.4	65.0
0	6.5	-17.8	50	45.4	10.0	100	124.2	37.8	150	262.9	65.6

*\*Red Italics Indicate Inches of Mercury Below Atmospheric Pressure*

***NOTE: All readings need to be taken while the compressor is running.***

## DATA RECORDINGS

1.	<b>a.</b> Line set length:	<b>b.</b> Suction line installed tubing diameter OD:
	<b>c.</b> Liquid line installed tubing diameter OD:	
2.	Bottle probe has been connected to the evaporator unit and inserted into a wine bottle that is 3/4 full? YES / NO <b>If no</b> , place the bottle probe in a warm bottle of water to ensure the compressor is running through the duration of the data recording.	
3.	Are there any visible bubbles in the sight glass with the system running? YES / NO <b>If yes</b> , add refrigerant to clear the sight glass. Ensure that the system is fully charged before taking data recordings.	
4.	<b>a.</b> Temp of return air entering evaporator coil: (Dry Bulb):	<b>b.</b> Temp of Supply Air leaving unit: (Dry Bulb):
	<b>c.</b> Temperature difference between return air and supply air. (4a-4b):	
5.	If the outside air temp is lower than 70° a portion of the coil will need to be blocked to stabilize the condensing temp. at 130°psig. Is coil blocked to raise condensing temp? YES / NO	
6.	Temp of air entering the condensing unit (irrelevant if condenser coil is blocked):	
7.	<b>a.</b> Head pressure PSI at the liquid line king valve:	<b>b.</b> Head pressure converted to temp:
8.	<b>a.</b> Temp of liquid line at the liquid line king valve:	<b>b.</b> Sub-cooling calculation (7b-8a):
9.	<b>a.</b> Suction pressure PSI at the suction service valve:	<b>b.</b> Suction pressure converted to temp:
10.	<b>a.</b> Temp of suction line at the outlet of the evaporator:	<b>b.</b> Superheat calculation (10a-9b):
11.	Compressor crankcase temperature (bottom of compressor):	
12.	<b>a.</b> Voltage to compressor (running):	<b>b.</b> Amp draw at time of data recording:
13.	<b>a.</b> Was a condensation drain test performed? YES / NO <b>If no</b> , pour water into the drain pan to verify that the unit is draining properly.	

### **Submit Completed Warranty Checklist:**

**Mail to:**  
 WhisperKOOL  
 ATTN: Warranty  
 Registration  
 1738 E. Alpine Avenue  
 Stockton, CA 95205  
 USA

**Fax to:**  
 209.466.4606  
 OR

**Scan and email to:**  
[warranty@whisperkool.com](mailto:warranty@whisperkool.com)