

Technical Information

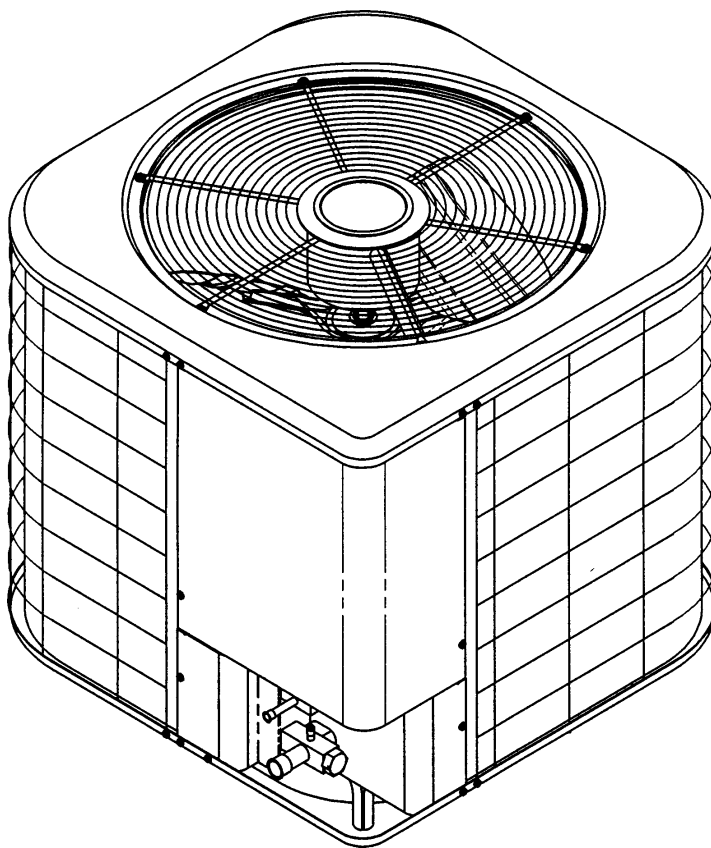
RHA_A_A

Remote Heat Pumps

- Refer to Service Manual RS6200003 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.

Model and Manufacturing numbers listed in this manual.

<u>MODEL</u>	<u>M/N</u>
RHA18A2A	P1180201C
RHA24A2A	P1180202C
RHA30A2A	P1180203C
RHA36A2A	P1180204C
RHA36A3A	P1180205C
RHA36A4A	P1180211C
RHA42A2A	P1180206C
RHA48A2A	P1180207C
RHA48A3A	P1180208C
RHA48A4A	P1180212C
RHA60A2A	P1180209C
RHA60A3A	P1180210C
RHA60A4A	P1180213C



This manual is to be used by qualified HVAC technicians only. Amana does not assume any responsibility for property damage or personal injury for improper service procedures done by an unqualified person.

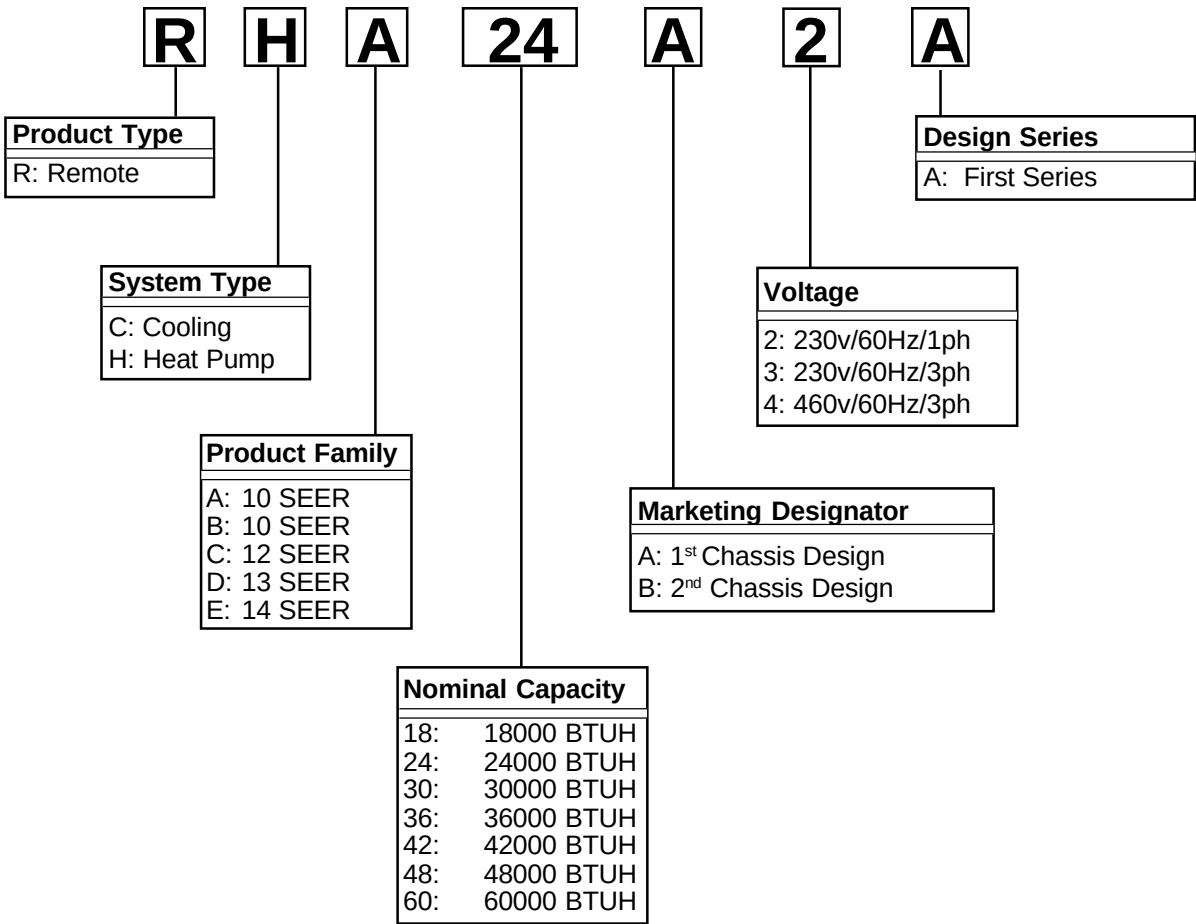
Amana[®]
Heating • Air Conditioning
BUILT BETTER THAN IT HAS TO BE™

RT6211001
June 1999

PRODUCT IDENTIFICATION

The model and manufacturing number are used for positive identification of component parts used in manufacturing. At which time engineering and manufacturing changes take place where interchangeability of components are affected, the manufacturing number will change.

It is very important to use the model and manufacturing numbers at all times when requesting service or parts information.



WARNING

IF REPAIRS ARE ATTEMPTED BY UNQUALIFIED PERSONS, DANGEROUS CONDITIONS (SUCH AS EXPOSURE TO ELECTRICAL SHOCK) MAY RESULT. THIS MAY CAUSE SERIOUS INJURY OR DEATH.

CAUTION

AMANA WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU PERFORM SERVICE ON YOUR OWN PRODUCT, YOU ASSUME RESPONSIBILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY RESULT.

PRODUCT DESIGN

The RHA Remote Heat Pumps are made in 1.5 through 5 ton sizes. They are designed for dual voltage single phase applications. The RHA 3, 4, and 5 ton models are also available for 230V and 460V 3 phase applications.

The condenser air is pulled through the condenser coil by a direct drive propeller fan. This condenser air is then discharged out of the top of the cabinet.

These units are designed for free air discharge, so no additional resistance (like duct work) shall be attached.

The suction and liquid line connections are of the sweat type for field piping with refrigerant type copper. Non-back seating valves are factory installed to accept the field run copper. The total refrigerant charge for a normal installation is factory installed in the condensing unit. This charge is for the matching evaporator coil and a 25 foot refrigerant line set.

Refrigerant line sizes listed in the Specification section are for 50 feet or less. The maximum length of refrigerant lines is 50 feet with no more than a 20 foot vertical rise. In this case additional refrigerant must be added for the extra 20 foot of lines.

Systems should be properly sized by heat gain and loss calculations made according to methods of the Air Conditioning Contractors Association (ACCA) or equivalent. It is the contractors responsibility to ensure the system has adequate capacity to heat or cool the conditioned space.

Outdoor Unit

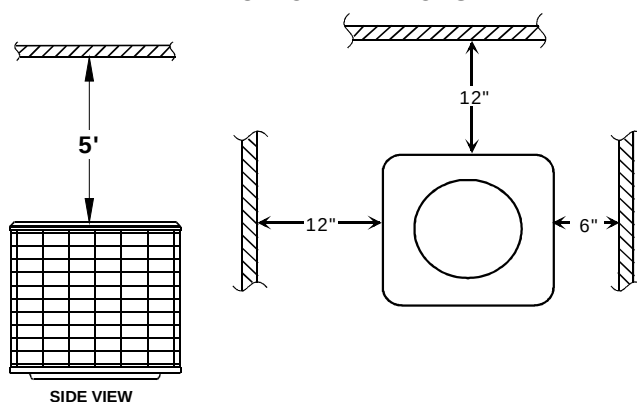
Orifice Sizing Chart

OUTDOOR UNIT	Orifice Size AeroQuip ROK01A Kit	Orifice Size Chatleff ROK ___ A Kits
RHA18A2A	0.054	0.055**
RHA24A2A	0.061	0.061
RHA30A2A	0.072	0.072
RHA36A2A	0.076	0.076
RHA42A2A	0.081	0.081
RHA48A2A	0.088	0.088
RHA60A2A	0.098	0.098

**Orifice size changed to match the new distributor flow control assembly design.

Note: Whenever mix-matching systems, the indoor orifice must be matched to the condensing unit for proper operation.

MINIMUM CLEARANCES



This unit is for outdoor installation only. Refer to minimum clearance figure for clearances from the sides of the unit to full walls and other objects.

NOTE: This unit cannot be completely enclosed. At least one side must be unrestricted.

These clearances will help avoid air recirculation. If installing two or more units at the same location, allow at least 24 inches between units. If only one side is restricted (for example, against the outside wall of a house), the unit may be placed as close as 8" to that one wall.

DO NOT locate the unit:

- Directly under a vent termination for a gas appliance.
- Within 3 feet of a clothes drier vent.
- Where the refreezing of defrost water would create a hazard.
- Where water may rise into the unit.

Outdoor Unit	Footprint Square	Unit Height
RHA18A2A	26" X 26"	26"
RHA24A2A	26" X 26"	26"
RHA30A2A	29" X 29"	26"
RHA36A2A	29" X 29"	26"
RHA36A3A	29" X 29"	26"
RHA36A4A	29" X 29"	26"
RHA42A2A	29" x 29"	30"
RHA42A3A	29" x 29"	30"
RHA42A4A	29" x 29"	30"
RHA60A2A	35" x 35"	34"
RHA60A3A	35" x 35"	34"
RHA60A4A	35" x 35 "	34"

CONDENSING UNIT SPECIFICATIONS

MODEL	RHA18A2A	RHA24A2A	RHA30A2A	RHA36A2A	RHA42A2A	RHA48A2A	RHA60A2A
COOLING CAPACITY, BTUH	18000	24000	30000	36000	42000	48000	60000
COMPRESSOR							
R.L. AMPS	10.5	13.1	14.4	17.7	21.7	25.8	33.6
L.R. AMPS	50.0	61.0	71.0	96.0	102.0	118.0	141.0
CONDENSER FAN MOTOR							
HORSEPOWER	1/12	1/6	1/6	1/6	1/6	1/3	1/3
R.L. AMPS	0.6	1.1	1.1	1.1	1.1	2.3	2.3
L.R. AMPS	1.2	2.1	2.1	2.1	2.1	3.6	3.6
LIQUID LINE, INCHES O.D.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	5/8	3/4	3/4	3/4	7/8	7/8	1 1/8*
REFRIGERANT CHARGE	81.2 oz.	108.5 oz.	159.8 oz.	187.9 oz.	216.3 oz.	247.0 oz.	253.2 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
MIN.CIRCUIT AMPACITY	13.7	17.5	19.1	23.2	28.2	34.6	44.3
MAX. OVERCURRENT DEVICE	20	30	30	40	50	60	60
ELECT. CONDUIT SIZE							
POWER SUPPLY	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	152	194	221	230	246	309	322

MODEL	RHA36A3A	RHA36A4A	RHA48A3A	RHA48A4A	RHA60A3A	RHA60A4A
COOLING CAPACITY, BTUH	36000	36000	48000	48000	60000	60000
COMPRESSOR						
R.L. AMPS	10.9	5.5	14.9	7.5	20.5	10.5
L.R. AMPS	75.0	40.0	90.0	45.0	110.0	55.0
CONDENSER FAN MOTOR						
HORSEPOWER	1/6	1/6	1/3	1/3	1/3	1/3
R.L. AMPS	1.1	0.6	2.3	1.1	2.3	1.1
L.R. AMPS	2.1	1.2	3.6	1.9	3.6	1.9
LIQUID LINE, INCHES O.D.	3/8	3/8	3/8	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	3/4	3/4	7/8	7/8	1 1/8*	1 1/8*
REFRIGERANT CHARGE	187.9 oz.	187.9 oz.	247.0 oz.	247.0 oz.	253.2 oz.	253.2 oz.
POWER SUPPLY	208/230-60-3	460-60-3	208/230-60-3	460-60-3	208/230-60-3	460-60-3
MIN.CIRCUIT AMPACITY	14.7	7.5	20.9	10.5	27.9	14.2
MAX. OVERCURRENT DEVICE	25	15	35	15	45	25
ELECT. CONDUIT SIZE						
POWER SUPPLY	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	230	230	309	309	322	322

* Unit has 7/8" connection. Use of 7/8" vapor line will decrease performance by 3-4%.

NOTE: This data is provided as a guide, it is important to electrically connect the unit and properly size fuses/circuit breakers and wires in accordance with all national and/or local electrical codes. Use copper wire only.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA18A2A / BHA18FA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	675	MBh	18.4	19.1	20.9	-	18.0	18.7	20.4	-	17.6	18.2	19.9	-	17.1	17.8	19.5	-	16.3	16.9	18.5	-	15.1	15.6	17.1	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.41	1.44	1.48	-	1.52	1.55	1.60	-	1.61	1.65	1.70	-	1.70	1.73	1.79	-	1.77	1.81	1.87	-	1.83	1.87	1.94	-
		AMPS	5.9	6.0	6.2	-	6.3	6.4	6.6	-	6.8	7.0	7.2	-	7.2	7.4	7.6	-	7.7	7.8	8.1	-	8.1	8.3	8.6	-
		HI PR	142	153	161	-	159	171	181	-	181	195	206	-	206	222	234	-	232	249	263	-	256	276	291	-
		LO PR	64	68	75	-	68	72	79	-	71	75	82	-	74	79	86	-	78	83	90	-	80	86	93	-
	600	MBh	17.9	18.5	20.3	-	17.5	18.1	19.8	-	17.1	17.7	19.4	-	16.6	17.2	18.9	-	15.8	16.4	17.9	-	14.6	15.2	16.6	-
		S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Delta T	19	16	12	-	19	16	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	1.40	1.42	1.47	-	1.50	1.54	1.59	-	1.60	1.63	1.69	-	1.68	1.72	1.78	-	1.75	1.79	1.85	-	1.82	1.86	1.92	-
		AMPS	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.7	6.9	7.1	-	7.2	7.3	7.6	-	7.6	7.8	8.0	-	8.0	8.2	8.5	-
		HI PR	140	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	288	-
		LO PR	64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	80	85	92	-
	525	MBh	16.5	17.1	18.7	-	16.1	16.7	18.3	-	15.7	16.3	17.9	-	15.4	15.9	17.4	-	14.6	15.1	16.6	-	13.5	14.0	15.3	-
		S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.64	0.44	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	1.36	1.39	1.43	-	1.47	1.50	1.55	-	1.56	1.59	1.64	-	1.64	1.68	1.73	-	1.71	1.75	1.81	-	1.77	1.81	1.87	-
		AMPS	5.7	5.8	6.0	-	6.1	6.2	6.4	-	6.6	6.7	6.9	-	7.0	7.1	7.4	-	7.4	7.6	7.8	-	7.8	8.0	8.3	-
		HI PR	136	147	155	-	153	164	174	-	174	187	197	-	198	213	225	-	223	240	253	-	246	265	280	-
		LO PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-

75	675	MBh	18.7	19.3	20.9	22.4	18.3	18.8	20.4	21.9	17.9	18.4	19.9	21.4	17.4	17.9	19.4	20.8	16.6	17.0	18.5	19.8	15.3	15.8	17.1	18.3
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	1.42	1.45	1.49	1.54	1.53	1.56	1.61	1.67	1.63	1.66	1.72	1.77	1.71	1.75	1.81	1.87	1.78	1.82	1.89	1.95	1.85	1.89	1.95	2.02
		AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.6	8.9
		HI PR	143	154	163	170	161	173	183	190	183	197	208	217	208	224	237	247	234	252	266	278	259	278	294	307
		LO PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	84	91	97	81	86	94	100
	600	MBh	18.2	18.7	20.3	21.8	17.8	18.3	19.8	21.2	17.3	17.9	19.3	20.7	16.9	17.4	18.9	20.2	16.1	16.5	17.9	19.2	14.9	15.3	16.6	17.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	17	11	20	19	15	11
		KW	1.41	1.44	1.48	1.53	1.52	1.55	1.60	1.65	1.61	1.65	1.70	1.76	1.70	1.73	1.79	1.85	1.77	1.81	1.87	1.93	1.83	1.87	1.94	2.00
		AMPS	5.9	6.0	6.2	6.4	6.3	6.4	6.6	6.9	6.8	7.0	7.2	7.4	7.2	7.4	7.6	7.9	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9
		HI PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	244	232	250	264	275	256	276	291	304
		LO PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	99
	525	MBh	16.8	17.3	18.7	20.1	16.4	16.9	18.3	19.6	16.0	16.5	17.8	19.1	15.6	16.1	17.4	18.7	14.8	15.3	16.5	17.7	13.7	14.1	15.3	16.4
		S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.86	0.77	0.59	0.38
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		KW	1.37	1.40	1.45	1.49	1.48	1.51	1.56	1.61	1.57	1.61	1.66	1.71	1.65	1.69	1.75	1.81	1.72	1.76	1.82	1.88	1.78	1.83	1.89	1.95
		AMPS	5.7	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.2	7.0	7.2	7.4	7.7	7.5	7.6	7.9	8.2	7.9	8.1	8.3	8.6
		HI PR	138	148	156	163	154	166	175	183	176	189	199	208	200	215	227	237	225	242	256	267	249	267	282	295
		LO PR	62	66	72	77	66	70	77	82	68	73	80	85	72	77	84	89	75	80	88	93	78	83	91	96

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA18A2A / BHA18FA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	675	MBh	19.1	19.5	20.8	22.3	18.6	19.0	20.3	21.7	18.2	18.6	19.8	21.2	17.7	18.1	19.4	20.7	16.9	17.2	18.4	19.7	15.6	15.9	17.0	18.2
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15
		KW	1.43	1.46	1.51	1.56	1.54	1.57	1.63	1.68	1.64	1.68	1.73	1.79	1.73	1.76	1.82	1.88	1.80	1.84	1.90	1.97	1.86	1.90	1.97	2.04
		AMPS	6.0	6.1	6.3	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.0
		HI PR	145	156	164	171	162	175	184	192	185	199	210	219	210	226	239	249	237	255	269	280	261	281	297	310
	LO PR	66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101	
	600	MBh	18.5	18.9	20.2	21.6	18.1	18.5	19.7	21.1	17.7	18.0	19.3	20.6	17.2	17.6	18.8	20.1	16.4	16.7	17.9	19.1	15.2	15.5	16.5	17.7
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	0.98	0.92	0.75	0.56
		Delta T	24	23	20	16	25	24	20	16	25	24	21	16	25	24	21	17	24	23	20	16	23	22	19	15
		KW	1.42	1.45	1.49	1.54	1.53	1.56	1.61	1.67	1.63	1.66	1.72	1.77	1.71	1.75	1.81	1.87	1.78	1.82	1.89	1.95	1.85	1.89	1.95	2.02
		AMPS	5.9	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.6	8.9
		HI PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	234	252	266	278	259	279	294	307
	LO PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	86	94	100	
	525	MBh	17.1	17.5	18.7	19.9	16.7	17.1	18.2	19.5	16.3	16.6	17.8	19.0	15.9	16.2	17.4	18.5	15.1	15.4	16.5	17.6	14.0	14.3	15.3	16.3
		S/T	0.83	0.77	0.63	0.47	0.86	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
		KW	1.38	1.41	1.46	1.51	1.49	1.52	1.57	1.62	1.58	1.62	1.67	1.73	1.67	1.71	1.76	1.82	1.74	1.78	1.84	1.90	1.80	1.84	1.90	1.97
		AMPS	5.8	5.9	6.1	6.3	6.2	6.3	6.5	6.7	6.7	6.8	7.0	7.3	7.1	7.3	7.5	7.8	7.5	7.7	8.0	8.2	8.0	8.1	8.4	8.7
		HI PR	139	150	158	165	156	168	177	185	177	191	202	210	202	217	230	239	227	245	258	269	251	270	285	298
	LO PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97	

85	675	MBh	19.4	19.8	20.7	22.1	18.9	19.3	20.2	21.6	18.5	18.9	19.7	21.1	18.0	18.4	19.3	20.6	17.1	17.5	18.3	19.5	15.9	16.2	17.0	18.1
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	23	24	23	20	22	22	22	19
		KW	1.44	1.47	1.52	1.57	1.55	1.59	1.64	1.69	1.65	1.69	1.74	1.80	1.74	1.78	1.84	1.90	1.81	1.86	1.92	1.98	1.88	1.92	1.99	2.05
		AMPS	6.0	6.1	6.3	6.5	6.5	6.6	6.8	7.0	7.0	7.1	7.4	7.6	7.4	7.6	7.8	8.1	7.9	8.1	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	146	157	166	173	164	176	186	194	186	201	212	221	212	229	241	252	239	257	272	283	264	284	300	313
	600	LO PR	66	70	77	82	70	74	81	87	73	77	84	90	76	81	89	95	80	85	93	99	83	88	96	102
		MBh	18.8	19.2	20.1	21.5	18.4	18.8	19.6	21.0	18.0	18.3	19.2	20.5	17.5	17.9	18.7	20.0	16.6	17.0	17.8	19.0	15.4	15.7	16.5	17.6
		S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		KW	1.43	1.46	1.51	1.56	1.54	1.57	1.63	1.68	1.64	1.68	1.73	1.79	1.73	1.76	1.82	1.88	1.80	1.84	1.90	1.97	1.86	1.90	1.97	2.04
		AMPS	6.0	6.1	6.3	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.0
	525	HI PR	145	156	164	171	162	175	184	192	185	199	210	219	210	226	239	249	237	255	269	280	261	281	297	310
		LO PR	66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101
		MBh	17.4	17.7	18.6	19.8	17.0	17.3	18.1	19.3	16.6	16.9	17.7	18.9	16.2	16.5	17.3	18.4	15.4	15.7	16.4	17.5	14.2	14.5	15.2	16.2
		S/T	0.87	0.84	0.75	0.61	0.90	0.87	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	0.99	0.96	0.87	0.70
		Delta T	26	26	25	21	27	26	25	21	27	26	25	21	27	26	25	22	27	26	25	21	25	24	23	20
		KW	1.39	1.42	1.47	1.52	1.50	1.54	1.58	1.64	1.60	1.63	1.69	1.74	1.68	1.72	1.78	1.84	1.75	1.79	1.85	1.92	1.82	1.86	1.92	1.98
		AMPS	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.2	7.3	7.6	7.8	7.6	7.8	8.0	8.3	8.0	8.2	8.5	8.8
		HI PR	140	151	159	166	157	169	179	187	179	193	204	212	204	220	232	242	229	247	261	272	254	273	288	301
		LO PR	64	68	74	79	67	72	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98

* Entering Indoor Dry Bulb Temperature

EXPANDED PERFORMANCE DATA

RHA18A2A

Multipliers for *Cooling* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA18FCC+BBA24A2A	0.97	1.00
CCA24FCC+BBA24A2A	0.99	1.01
CCA30FCC+BBA24A2A	0.98	1.01
CHA18TCC+BBA24A2A	0.99	1.01
CHA24TCC+BBA24A2A	0.99	1.00
CCA18FCC+BBC36A2A	0.99	0.97
CCA24FCC+BBC36A2A	1.02	0.98
CCA30FCC+BBC36A2A	1.01	0.98
CHA18TCC+BBC36A2A	1.02	0.98
CHA24TCC+BBC36A2A	1.02	0.98
CCA18FCC+TXV+BBA24A	0.97	1.00
CCA24FCC+TXV+BBA24A	0.99	1.01
CCA30FCC+TXV+BBA24A	0.99	1.00

Indoor Section	Capacity	Power
CCA18FCC+TCC36A2A	0.99	0.97
CCA24FCC+TCC36A2A	1.02	0.98
CCA30FCC+TCC36A2A	1.02	0.98
CCH24FCC	0.96	1.03
CHH24TCC	0.98	0.91

Indoor Section	Capacity	Power

Multipliers for *Heating* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA18FCC+BBA24A2A	1.02	1.02
CCA24FCC+BBA24A2A	1.00	0.98
CCA30FCC+BBA24A2A	0.99	0.99
CHA18TCC+BBA24A2A	1.00	0.98
CHA24TCC+BBA24A2A	0.99	0.99
CCA18FCC+BBC36A2A	1.01	0.97
CCA24FCC+BBC36A2A	0.99	0.93
CCA30FCC+BBC36A2A	0.99	0.94
CHA18TCC+BBC36A2A	0.99	0.93
CHA24TCC+BBC36A2A	0.99	0.94
CCA18FCC+TXV+BBA24A	1.02	1.02
CCA24FCC+TXV+BBA24A	1.00	0.98
CCA30FCC+TXV+BBA24A	0.99	0.99

Indoor Section	Capacity	Power
CCA18FCC+TCC36A2A	1.01	0.97
CCA24FCC+TCC36A2A	0.99	0.93
CCA30FCC+TCC36A2A	0.99	0.94
CCH24FCC	1.02	1.05
CHH24TCC	1.02	1.05

Indoor Section	Capacity	Power

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA24A2A / BHA24FA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
IDB*	Airflow																									
70	700	MBh	22.0	22.8	24.9	-	21.4	22.2	24.3	-	20.9	21.7	23.8	-	20.4	21.2	23.2	-	19.4	20.1	22.0	-	18.0	18.6	20.4	-
		S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	2.01	2.05	2.11	-	2.16	2.20	2.27	-	2.29	2.34	2.41	-	2.41	2.46	2.54	-	2.51	2.56	2.64	-	2.59	2.65	2.74	-
		AMPS	7.5	7.7	8.0	-	8.1	8.3	8.6	-	8.8	9.0	9.3	-	9.4	9.6	9.9	-	10.0	10.2	10.6	-	10.6	10.8	11.2	-
		HI PR	148	159	168	-	166	179	189	-	189	203	214	-	215	231	244	-	242	260	275	-	267	288	304	-
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-
	850	MBh	23.8	24.7	27.0	-	23.2	24.1	26.4	-	22.7	23.5	25.8	-	22.1	22.9	25.1	-	21.0	21.8	23.9	-	19.5	20.2	22.1	-
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.05	2.10	2.16	-	2.21	2.26	2.33	-	2.35	2.40	2.47	-	2.47	2.52	2.60	-	2.57	2.63	2.71	-	2.66	2.72	2.81	-
		AMPS	7.7	7.9	8.2	-	8.4	8.5	8.8	-	9.1	9.3	9.6	-	9.7	9.9	10.2	-	10.3	10.5	10.9	-	10.9	11.1	11.5	-
		HI PR	152	164	173	-	171	184	194	-	195	209	221	-	222	239	252	-	249	268	283	-	275	296	313	-
		LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-
	900	MBh	24.0	24.9	27.3	-	23.5	24.3	26.6	-	22.9	23.7	26.0	-	22.3	23.2	25.4	-	21.2	22.0	24.1	-	19.7	20.4	22.3	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	2.06	2.10	2.17	-	2.21	2.26	2.33	-	2.35	2.40	2.48	-	2.47	2.53	2.61	-	2.58	2.63	2.72	-	2.66	2.72	2.81	-
		AMPS	7.8	7.9	8.2	-	8.4	8.6	8.8	-	9.1	9.3	9.6	-	9.7	9.9	10.2	-	10.3	10.5	10.9	-	10.9	11.2	11.5	-
		HI PR	153	165	174	-	172	185	195	-	195	210	222	-	222	239	253	-	250	269	284	-	276	297	314	-
		LO PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-

75	700	MBh	22.3	23.0	24.9	26.7	21.8	22.5	24.3	26.1	21.3	21.9	23.7	25.5	20.8	21.4	23.1	24.8	19.7	20.3	22.0	23.6	18.3	18.8	20.4	21.9
		S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
		KW	2.02	2.06	2.13	2.19	2.17	2.22	2.29	2.36	2.31	2.36	2.43	2.51	2.43	2.48	2.56	2.64	2.53	2.58	2.67	2.75	2.61	2.67	2.76	2.85
		AMPS	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.4	10.1	10.3	10.7	11.1	10.7	10.9	11.3	11.7
		HI PR	149	161	170	177	168	180	191	199	191	205	217	226	217	234	247	257	244	263	278	290	270	291	307	320
		LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93
	850	MBh	24.2	24.9	27.0	28.9	23.6	24.3	26.3	28.3	23.1	23.7	25.7	27.6	22.5	23.2	25.1	26.9	21.4	22.0	23.8	25.6	19.8	20.4	22.1	23.7
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		Delta T	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	2.07	2.11	2.18	2.25	2.23	2.27	2.35	2.42	2.37	2.42	2.49	2.58	2.49	2.54	2.62	2.71	2.59	2.65	2.73	2.83	2.68	2.74	2.83	2.93
		AMPS	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.4	9.7	10.0	9.7	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
		HI PR	154	166	175	183	173	186	196	205	197	212	223	233	224	241	254	265	252	271	286	299	278	299	316	330
		LO PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
	900	MBh	24.4	25.2	27.2	29.2	23.9	24.6	26.6	28.5	23.3	24.0	26.0	27.9	22.7	23.4	25.3	27.2	21.6	22.2	24.1	25.8	20.0	20.6	22.3	23.9
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		KW	2.08	2.12	2.18	2.25	2.23	2.28	2.35	2.43	2.37	2.42	2.50	2.58	2.49	2.55	2.63	2.72	2.60	2.65	2.74	2.83	2.69	2.75	2.84	2.93
		AMPS	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.2	9.2	9.4	9.7	10.0	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.3	11.6	12.1
		HI PR	155	166	176	183	173	187	197	205	197	212	224	234	225	242	255	266	253	272	287	299	279	300	317	331
		LO PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA24A2A / BHA24FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	700	MBh	22.7	23.2	24.8	26.5	22.2	22.7	24.2	25.9	21.7	22.1	23.7	25.3	21.1	21.6	23.1	24.7	20.1	20.5	21.9	23.4	18.6	19.0	20.3	21.7
		S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
		KW	2.04	2.08	2.14	2.21	2.19	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.45	2.50	2.58	2.67	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.88
		AMPS	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.8
		HI PR	151	162	172	179	169	182	192	201	193	207	219	228	219	236	249	260	247	266	280	293	273	293	310	323
	LO PR	61	65	71	75	64	68	75	79	67	71	78	83	70	75	81	87	74	78	85	91	76	81	88	94	
	850	MBh	24.6	25.2	26.9	28.7	24.0	24.6	26.3	28.1	23.5	24.0	25.6	27.4	22.9	23.4	25.0	26.7	21.8	22.2	23.8	25.4	20.2	20.6	22.0	23.5
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14
		KW	2.09	2.13	2.20	2.27	2.25	2.29	2.37	2.44	2.38	2.44	2.51	2.60	2.51	2.56	2.65	2.73	2.61	2.67	2.76	2.85	2.70	2.76	2.85	2.95
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.3	11.7	12.1
		HI PR	156	167	177	184	175	188	198	207	199	214	226	235	226	243	257	268	254	274	289	302	281	303	319	333
	LO PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	
	900	MBh	24.9	25.4	27.1	29.0	24.3	24.8	26.5	28.3	23.7	24.2	25.9	27.7	23.1	23.6	25.3	27.0	22.0	22.5	24.0	25.6	20.4	20.8	22.2	23.8
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14
		KW	2.09	2.14	2.20	2.27	2.25	2.30	2.37	2.45	2.39	2.44	2.52	2.60	2.51	2.57	2.65	2.74	2.62	2.68	2.76	2.86	2.71	2.77	2.86	2.96
AMPS		7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.5	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.4	11.7	12.2	
HI PR		156	168	177	185	175	188	199	208	199	214	226	236	227	244	258	269	255	275	290	302	282	303	320	334	
LO PR	63	67	73	78	66	71	77	82	69	73	80	85	73	77	84	90	76	81	88	94	79	84	91	97		

85	700	MBh	23.1	23.6	24.7	26.3	22.6	23.0	24.1	25.7	22.0	22.5	23.5	25.1	21.5	21.9	23.0	24.5	20.4	20.8	21.8	23.3	18.9	19.3	20.2	21.6
		S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71
		Delta T	26	26	25	21	27	26	25	21	27	26	25	22	27	26	25	22	27	26	25	21	25	24	23	20
		KW	2.05	2.10	2.16	2.23	2.21	2.26	2.33	2.40	2.35	2.40	2.47	2.55	2.47	2.52	2.60	2.69	2.57	2.63	2.71	2.80	2.66	2.72	2.81	2.90
		AMPS	7.7	7.9	8.2	8.5	8.3	8.5	8.8	9.1	9.1	9.3	9.6	9.9	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	11.9
		HI PR	152	164	173	181	171	184	194	203	195	209	221	231	222	238	252	263	249	268	283	295	275	296	313	326
	LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95	
	850	MBh	25.0	25.5	26.7	28.5	24.5	24.9	26.1	27.9	23.9	24.3	25.5	27.2	23.3	23.8	24.9	26.5	22.1	22.6	23.6	25.2	20.5	20.9	21.9	23.4
		S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	24	24	23	20	22	23	21	18
		KW	2.10	2.15	2.21	2.28	2.26	2.31	2.38	2.46	2.40	2.46	2.54	2.62	2.53	2.58	2.67	2.76	2.63	2.69	2.78	2.87	2.73	2.79	2.88	2.98
		AMPS	8.0	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	10.9	10.5	10.8	11.2	11.6	11.2	11.4	11.8	12.3
		HI PR	157	169	179	186	176	190	200	209	201	216	228	238	228	246	260	271	257	277	292	305	284	306	323	337
	LO PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98	
	900	MBh	25.3	25.8	27.0	28.8	24.7	25.2	26.4	28.1	24.1	24.6	25.8	27.5	23.5	24.0	25.1	26.8	22.4	22.8	23.9	25.5	20.7	21.1	22.1	23.6
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	23	22	19	21	22	21	18
		KW	2.11	2.15	2.22	2.29	2.27	2.32	2.39	2.47	2.41	2.46	2.54	2.62	2.53	2.59	2.67	2.76	2.64	2.70	2.79	2.88	2.73	2.79	2.89	2.98
AMPS		8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.9	10.2	10.0	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.8	12.3	
HI PR		158	170	179	187	177	190	201	210	201	216	229	238	229	247	260	272	258	277	293	305	285	306	324	338	
LO PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98		

* Entering Indoor Dry Bulb Temperature

RHA24A2A

<i>Indoor Section</i>	<i>Capacity</i>	<i>Power</i>
CCA24FCC+BBA24A2A	0.99	0.99
CCA30FCC+BBA24A2A	0.99	0.99
CCA36FCC+BBA24A2A	1.02	1.01
CHA18TCC+BBA24A2A	1.00	0.99
CHA24TCC+BBA24A2A	1.00	0.99
CHA30TCC+BBA24A2A	1.02	1.01
CCA24FCC+BBC36A2A	1.01	0.98
CCA30FCC+BBC36A2A	1.00	0.97
CCA36FCC+BBC36A2A	1.02	0.99
CHA18TCC+BBC36A2A	1.02	0.97
CHA24TCC+BBC36A2A	1.01	0.97
CHA30TCC+BBC36A2A	1.02	0.99
CCA30FCC+BBA36A2A	1.01	1.03

Indoor Section	Capacity	Power
CCA36FCC+BBA36A2A	1.00	1.03
CHA24TCC+BBA36A2A	0.99	1.02
CHA30TCC+BBA36A2A	1.01	1.03
CCA24FCC+TXV+BBA2	1.00	0.99
CCA30FCC+TXV+BBA2	1.00	0.99
CCA36FCC+TXV+BBA2	1.02	1.01
CCA24FCC+TXV+BBC3	1.02	0.97
CCA30FCC+TXV+BBC3	1.01	0.97
CCA36FCC+TXV+BBC3	1.02	0.99
CCA30FCC+TXV+BBA3	0.99	1.02
CCA36FCC+TXV+BBA3	1.01	1.03
CCH24FCC	0.98	1.03
CCH30FCC	1.02	1.05

[illegible]

Indoor Section	Capacity	Power
CCA24FCC+BBA24A2A	0.98	1.01
CCA30FCC+BBA24A2A	0.98	1.02
CCA36FCC+BBA24A2A	0.99	0.99
CHA18TCC+BBA24A2A	0.98	1.01
CHA24TCC+BBA24A2A	0.98	1.01
CHA30TCC+BBA24A2A	0.99	0.99
CCA24FCC+BBC36A2A	0.98	0.98
CCA30FCC+BBC36A2A	0.98	0.99
CCA36FCC+BBC36A2A	0.98	0.97
CHA18TCC+BBC36A2A	0.98	0.98
CHA24TCC+BBC36A2A	0.98	0.99
CHA30TCC+BBC36A2A	0.99	0.98
CCA30FCC+BBA36A2A	1.00	1.03

Indoor Section	Capacity	Power
CCA36FCC+BBA36A2A	1.00	1.02
CHA24TCC+BBA36A2A	1.00	1.04
CHA30TCC+BBA36A2A	1.00	1.02
CCA24FCC+TXV+BBA2	0.98	1.01
CCA30FCC+TXV+BBA2	0.98	1.01
CCA36FCC+TXV+BBA2	0.99	0.99
CCA24FCC+TXV+BBC3	0.98	0.98
CCA30FCC+TXV+BBC3	0.98	0.99
CCA36FCC+TXV+BBC3	0.99	0.98
CCA30FCC+TXV+BBA3	1.00	1.04
CCA36FCC+TXV+BBA3	1.00	1.02
CCH24FCC	1.01	1.05
CCH30FCC	1.02	1.03

[illegible]

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA30A2A / BHA30FA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	1125	MBh	29.4	30.5	33.4	-	28.7	29.8	32.6	-	28.0	29.1	31.8	-	27.3	28.3	31.1	-	26.0	26.9	29.5	-	24.1	24.9	27.3	-
		S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.85	0.71	0.49	-
		Delta T	18	15	12	-	18	15	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		KW	2.35	2.39	2.47	-	2.52	2.57	2.65	-	2.68	2.73	2.82	-	2.81	2.87	2.96	-	2.93	2.99	3.09	-	3.03	3.09	3.19	-
		AMPS	8.9	9.1	9.4	-	9.6	9.8	10.2	-	10.4	10.7	11.0	-	11.1	11.4	11.8	-	11.9	12.1	12.5	-	12.6	12.9	13.3	-
		HI PR	132	143	150	-	149	160	169	-	169	182	192	-	192	207	219	-	217	233	246	-	239	257	272	-
		LO PR	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	80	87	-
	1000	MBh	28.5	29.6	32.4	-	27.9	28.9	31.7	-	27.2	28.2	30.9	-	26.6	27.5	30.2	-	25.2	26.1	28.6	-	23.4	24.2	26.5	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	2.33	2.38	2.45	-	2.50	2.55	2.63	-	2.65	2.71	2.80	-	2.79	2.85	2.94	-	2.90	2.97	3.06	-	3.00	3.07	3.17	-
		AMPS	8.8	9.0	9.3	-	9.5	9.8	10.1	-	10.3	10.6	10.9	-	11.0	11.3	11.7	-	11.7	12.0	12.4	-	12.4	12.7	13.2	-
		HI PR	131	141	149	-	147	158	167	-	167	180	190	-	191	205	217	-	214	231	244	-	237	255	269	-
		LO PR	59	63	69	-	63	67	73	-	65	69	76	-	68	73	79	-	72	76	83	-	74	79	86	-
	875	MBh	26.3	27.3	29.9	-	25.7	26.7	29.2	-	25.1	26.0	28.5	-	24.5	25.4	27.8	-	23.3	24.1	26.4	-	21.6	22.4	24.5	-
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.78	0.65	0.45	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	2.27	2.32	2.39	-	2.44	2.49	2.57	-	2.59	2.65	2.73	-	2.72	2.78	2.87	-	2.83	2.89	2.99	-	2.93	2.99	3.09	-
		AMPS	8.6	8.8	9.1	-	9.3	9.5	9.8	-	10.1	10.3	10.6	-	10.7	11.0	11.4	-	11.4	11.7	12.1	-	12.1	12.4	12.8	-
		HI PR	127	137	145	-	143	154	162	-	162	175	184	-	185	199	210	-	208	224	236	-	230	247	261	-
		LO PR	57	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	69	74	81	-	72	76	83	-

75	1125	MBh	29.9	30.8	33.3	35.8	29.2	30.1	32.5	34.9	28.5	29.3	31.8	34.1	27.8	28.6	31.0	33.3	26.4	27.2	29.4	31.6	24.5	25.2	27.3	29.3
		S/T	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.41	0.96	0.86	0.65	0.42
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	14	10
		KW	2.36	2.41	2.49	2.56	2.54	2.59	2.68	2.76	2.70	2.75	2.84	2.93	2.83	2.90	2.99	3.09	2.95	3.02	3.11	3.22	3.05	3.12	3.22	3.33
		AMPS	9.0	9.2	9.5	9.8	9.7	9.9	10.3	10.6	10.5	10.8	11.1	11.6	11.2	11.5	11.9	12.3	12.0	12.3	12.7	13.1	12.7	13.0	13.4	13.9
		HI PR	134	144	152	159	150	162	171	178	171	184	194	202	194	209	221	230	219	235	249	259	242	260	275	286
		LO PR	60	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	94
	1000	MBh	29.0	29.9	32.3	34.7	28.4	29.2	31.6	33.9	27.7	28.5	30.8	33.1	27.0	27.8	30.1	32.3	25.7	26.4	28.6	30.7	23.8	24.5	26.5	28.4
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	2.35	2.39	2.47	2.54	2.52	2.57	2.65	2.74	2.68	2.73	2.82	2.91	2.81	2.87	2.96	3.06	2.93	2.99	3.09	3.19	3.03	3.09	3.19	3.30
		AMPS	8.9	9.1	9.4	9.8	9.6	9.8	10.2	10.5	10.4	10.7	11.0	11.4	11.1	11.4	11.8	12.2	11.9	12.1	12.5	13.0	12.6	12.9	13.3	13.8
		HI PR	132	143	151	157	149	160	169	176	169	182	192	200	193	207	219	228	217	233	246	257	239	258	272	284
		LO PR	60	64	70	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	90	75	80	87	93
	875	MBh	26.8	27.6	29.9	32.0	26.2	26.9	29.2	31.3	25.5	26.3	28.5	30.6	24.9	25.7	27.8	29.8	23.7	24.4	26.4	28.3	21.9	22.6	24.4	26.2
		S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.88	0.79	0.60	0.38
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
		KW	2.29	2.34	2.41	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.84	2.74	2.80	2.89	2.99	2.86	2.92	3.01	3.11	2.95	3.02	3.12	3.22
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.7	11.1	10.8	11.1	11.5	11.9	11.5	11.8	12.2	12.7	12.2	12.5	12.9	13.4
		HI PR	128	138	146	152	144	155	164	171	164	176	186	194	187	201	212	221	210	226	239	249	232	250	264	275
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA30A2A / BHA30FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1125	MBh	30.4	31.1	33.2	35.5	29.7	30.4	32.4	34.7	29.0	29.6	31.7	33.9	28.3	28.9	30.9	33.0	26.9	27.5	29.4	31.4	24.9	25.5	27.2	29.1
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60
		Delta T	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	16	22	22	19	15	20	21	18	14
		KW	2.38	2.43	2.51	2.59	2.56	2.61	2.70	2.78	2.72	2.78	2.87	2.96	2.86	2.92	3.01	3.11	2.98	3.04	3.14	3.24	3.08	3.15	3.25	3.36
		AMPS	9.1	9.3	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.9	11.2	11.7	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.5	14.1
		HI PR	135	145	154	160	152	163	172	180	172	186	196	204	196	211	223	233	221	238	251	262	244	263	277	289
		LO PR	61	65	71	76	65	69	75	80	67	71	78	83	70	75	82	87	74	79	86	91	76	81	89	94
	1000	MBh	29.5	30.2	32.3	34.5	28.9	29.5	31.5	33.7	28.2	28.8	30.8	32.9	27.5	28.1	30.0	32.1	26.1	26.7	28.5	30.5	24.2	24.7	26.4	28.2
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
		KW	2.36	2.41	2.49	2.56	2.54	2.59	2.68	2.76	2.70	2.75	2.84	2.93	2.83	2.90	2.99	3.09	2.95	3.02	3.11	3.22	3.05	3.12	3.22	3.33
		AMPS	9.0	9.2	9.5	9.8	9.7	9.9	10.3	10.6	10.5	10.8	11.1	11.6	11.2	11.5	11.9	12.3	12.0	12.3	12.7	13.1	12.7	13.0	13.4	13.9
		HI PR	134	144	152	159	150	162	171	178	171	184	194	202	194	209	221	231	219	235	249	259	242	260	275	287
		LO PR	60	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	94
	875	MBh	27.3	27.9	29.8	31.8	26.6	27.2	29.1	31.1	26.0	26.6	28.4	30.3	25.4	25.9	27.7	29.6	24.1	24.6	26.3	28.1	22.3	22.8	24.4	26.0
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
		Delta T	24	23	20	16	24	23	20	16	25	23	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		KW	2.31	2.36	2.43	2.50	2.48	2.53	2.61	2.69	2.63	2.69	2.77	2.86	2.77	2.83	2.92	3.01	2.88	2.94	3.04	3.14	2.98	3.04	3.14	3.25
		AMPS	8.7	8.9	9.2	9.6	9.4	9.7	10.0	10.3	10.2	10.5	10.8	11.2	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.8	12.3	12.6	13.0	13.5
		HI PR	130	140	147	154	146	157	165	173	166	178	188	196	189	203	214	224	212	228	241	252	234	252	266	278
		LO PR	59	62	68	73	62	66	72	77	64	69	75	80	68	72	79	84	71	75	82	88	73	78	85	91

85	1125	MBh	31.0	31.6	33.1	35.3	30.2	30.8	32.3	34.4	29.5	30.1	31.5	33.6	28.8	29.4	30.7	32.8	27.4	27.9	29.2	31.2	25.3	25.8	27.1	28.9
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	18
		KW	2.40	2.45	2.53	2.61	2.58	2.64	2.72	2.81	2.74	2.80	2.89	2.98	2.88	2.94	3.04	3.14	3.00	3.07	3.17	3.27	3.10	3.17	3.28	3.38
		AMPS	9.1	9.4	9.7	10.0	9.9	10.1	10.4	10.8	10.7	11.0	11.3	11.8	11.5	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
		HI PR	136	147	155	162	153	165	174	182	174	187	198	206	198	213	225	235	223	240	254	265	247	265	280	292
		LO PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95
	1000	MBh	30.1	30.6	32.1	34.2	29.4	29.9	31.3	33.4	28.7	29.2	30.6	32.6	28.0	28.5	29.9	31.8	26.6	27.1	28.4	30.3	24.6	25.1	26.3	28.0
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Delta T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	21	23	23	22	19
		KW	2.38	2.43	2.51	2.59	2.56	2.61	2.70	2.78	2.72	2.78	2.87	2.96	2.86	2.92	3.01	3.11	2.98	3.04	3.14	3.24	3.08	3.15	3.25	3.36
		AMPS	9.1	9.3	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.9	11.2	11.7	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.5	14.1
		HI PR	135	145	154	160	152	163	172	180	172	186	196	204	196	211	223	233	221	238	251	262	244	263	277	289
		LO PR	61	65	71	76	65	69	75	80	67	71	78	83	70	75	82	87	74	79	86	91	76	81	89	94
	875	MBh	27.7	28.3	29.6	31.6	27.1	27.6	28.9	30.9	26.5	27.0	28.2	30.1	25.8	26.3	27.6	29.4	24.5	25.0	26.2	27.9	22.7	23.1	24.2	25.9
		S/T	0.88	0.85	0.77	0.63	0.92	0.88	0.80	0.65	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.88	0.72
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	26	24	21	24	24	23	20
		KW	2.33	2.37	2.45	2.52	2.50	2.55	2.63	2.72	2.65	2.71	2.80	2.89	2.79	2.85	2.94	3.04	2.90	2.97	3.06	3.16	3.00	3.07	3.17	3.27
		AMPS	8.8	9.0	9.3	9.7	9.5	9.7	10.1	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.7	12.1	11.7	12.0	12.4	12.9	12.4	12.7	13.2	13.7
		HI PR	131	141	149	155	147	158	167	174	167	180	190	198	191	205	217	226	214	231	244	254	237	255	269	281
		LO PR	59	63	69	73	63	67	73	77	65	69	76	80	68	73	79	85	72	76	83	89	74	79	86	92

* Entering Indoor Dry Bulb Temperature

EXPANDED PERFORMANCE DATA

RHA30A2A

Multipliers for *Cooling* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA30FCC+BBA24A2A	0.98	1.01
CCA36FCC+BBA24A2A	1.03	1.03
CCA42FCC+BBA24A2A	1.04	1.03
CHA24TCC+BBA24A2A	0.99	1.01
CHA30TCC+BBA24A2A	1.04	1.03
CHA36TCC+BBA24A2A	1.04	1.03
CCA30FCC+BBA36A2A	0.98	1.00
CCA36FCC+BBA36A2A	1.04	1.02
CCA42FCC+BBA36A2A	1.03	1.02
CHA24TCC+BBA36A2A	0.98	1.00
CHA30TCC+BBA36A2A	1.04	1.02
CHA36TCC+BBA36A2A	1.04	1.02
CCA30FDC+BBA48A2A	0.99	1.01

Indoor Section	Capacity	Power
CCA36FDC+BBA48A2A	1.04	1.02
CCA42FDC+BBA48A2A	1.04	1.02
CCA30FCC+BBC36A2A	0.99	0.98
CCA36FCC+BBC36A2A	1.05	1.00
CCA42FCC+BBC36A2A	1.05	1.00
CHA24TCC+BBC36A2A	0.99	0.98
CHA30TCC+BBC36A2A	1.05	1.00
CHA36TCC+BBC36A2A	1.05	1.00
CCA30FCC+TXV+BBA2	0.99	1.01
CCA36FCC+TXV+BBA2	1.04	1.03
CCA42FCC+TXV+BBA2	1.04	1.03
CCA30FCC+TXV+BBA3	0.98	1.00
CCA36FCC+TXV+BBA3	1.04	1.02

Indoor Section	Capacity	Power
CCA42FCC+TXV+BBA3	1.04	1.02
CCA30FDC+TXV+BBA4	0.99	1.00
CCA36FDC+TXV+BBA4	1.04	1.02
CCA42FDC+TXV+BBA4	1.05	1.02
CCA30FCC+TXV+BBC3	0.99	0.98
CCA36FCC+TXV+BBC3	1.05	1.00
CCA42FCC+TXV+BBC3	1.05	1.00
CCH30FCC	1.02	1.03
CCH36FCC	1.03	1.03
CHH30TCC	1.03	1.03
CHH36TCC	1.05	1.03

Multipliers for *Heating* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA30FCC+BBA24A2A	1.00	1.03
CCA36FCC+BBA24A2A	0.99	1.00
CCA42FCC+BBA24A2A	0.99	0.99
CHA24TCC+BBA24A2A	1.00	1.03
CHA30TCC+BBA24A2A	0.99	1.00
CHA36TCC+BBA24A2A	0.99	0.99
CCA30FCC+BBA36A2A	0.99	1.03
CCA36FCC+BBA36A2A	0.99	0.99
CCA42FCC+BBA36A2A	0.98	0.99
CHA24TCC+BBA36A2A	0.99	1.03
CHA30TCC+BBA36A2A	0.99	0.99
CHA36TCC+BBA36A2A	0.98	0.99
CCA30FDC+BBA48A2A	1.00	1.02

Indoor Section	Capacity	Power
CCA36FDC+BBA48A2A	0.99	0.99
CCA42FDC+BBA48A2A	0.99	0.98
CCA30FCC+BBC36A2A	0.99	0.99
CCA36FCC+BBC36A2A	0.99	0.96
CCA42FCC+BBC36A2A	0.98	0.96
CHA24TCC+BBC36A2A	0.99	0.99
CHA30TCC+BBC36A2A	0.99	0.96
CHA36TCC+BBC36A2A	0.98	0.96
CCA30FCC+TXV+BBA2	1.00	1.03
CCA36FCC+TXV+BBA2	0.99	1.00
CCA42FCC+TXV+BBA2	0.99	0.99
CCA30FCC+TXV+BBA3	0.99	1.03
CCA36FCC+TXV+BBA3	0.99	0.99

Indoor Section	Capacity	Power
CCA42FCC+TXV+BBA3	0.98	0.99
CCA30FDC+TXV+BBA4	1.00	1.02
CCA36FDC+TXV+BBA4	0.99	0.99
CCA42FDC+TXV+BBA4	0.99	0.98
CCA30FCC+TXV+BBC3	0.99	0.99
CCA36FCC+TXV+BBC3	0.99	0.96
CCA42FCC+TXV+BBC3	0.98	0.96
CCH30FCC	1.01	1.01
CCH36FCC	1.02	1.01
CHH30TCC	1.01	1.01
CHH36TCC	1.02	1.00

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA36A2A / BHA36FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1050	MBh	32.7	33.9	37.2	-	32.0	33.1	36.3	-	31.2	32.3	35.4	-	30.4	31.5	34.6	-	28.9	30.0	32.8	-	26.8	27.8	30.4	-
		S/T	0.64	0.53	0.37	-	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.73	0.61	0.42	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.71	2.77	2.86	-	2.92	2.98	3.08	-	3.10	3.17	3.27	-	3.27	3.34	3.45	-	3.40	3.48	3.59	-	3.52	3.60	3.72	-
		AMPS	11.5	11.8	12.1	-	12.4	12.7	13.1	-	13.5	13.8	14.3	-	14.5	14.8	15.3	-	15.4	15.8	16.3	-	16.3	16.7	17.3	-
		HI PR	137	148	156	-	154	166	175	-	175	188	199	-	199	215	227	-	224	241	255	-	248	267	282	-
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	74	79	86	-
	1175	MBh	34.4	35.7	39.1	-	33.6	34.9	38.2	-	32.8	34.0	37.3	-	32.0	33.2	36.4	-	30.4	31.5	34.6	-	28.2	29.2	32.0	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.44	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.76	2.82	2.90	-	2.97	3.03	3.13	-	3.16	3.22	3.33	-	3.32	3.39	3.51	-	3.46	3.54	3.66	-	3.58	3.66	3.78	-
		AMPS	11.7	12.0	12.4	-	12.7	13.0	13.4	-	13.8	14.1	14.6	-	14.7	15.1	15.6	-	15.7	16.1	16.6	-	16.6	17.0	17.6	-
		HI PR	140	151	159	-	157	169	179	-	179	192	203	-	204	219	231	-	229	246	260	-	253	272	287	-
		LO PR	61	65	71	-	64	68	75	-	67	71	77	-	70	75	81	-	73	78	85	-	76	81	88	-
	1350	MBh	35.5	36.8	40.3	-	34.6	35.9	39.3	-	33.8	35.1	38.4	-	33.0	34.2	37.5	-	31.3	32.5	35.6	-	29.0	30.1	33.0	-
		S/T	0.70	0.58	0.41	-	0.73	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.67	0.46	-	0.80	0.67	0.47	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	2.78	2.84	2.93	-	2.99	3.06	3.16	-	3.18	3.25	3.36	-	3.35	3.42	3.54	-	3.49	3.57	3.69	-	3.61	3.69	3.82	-
		AMPS	11.8	12.1	12.5	-	12.8	13.1	13.5	-	13.9	14.2	14.7	-	14.9	15.2	15.7	-	15.8	16.2	16.8	-	16.8	17.2	17.8	-
		HI PR	141	152	161	-	159	171	180	-	180	194	205	-	206	221	234	-	231	249	263	-	256	275	290	-
		LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-

75	1050	MBh	33.3	34.3	37.1	39.8	32.5	33.5	36.2	38.9	31.7	32.7	35.4	37.9	31.0	31.9	34.5	37.0	29.4	30.3	32.8	35.2	27.2	28.0	30.4	32.6
		S/T	0.73	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.83	0.75	0.56	0.36
		Delta T	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	2.74	2.79	2.88	2.97	2.95	3.01	3.10	3.21	3.13	3.20	3.30	3.41	3.29	3.37	3.48	3.59	3.43	3.51	3.62	3.75	3.55	3.63	3.75	3.88
		AMPS	11.6	11.9	12.3	12.7	12.5	12.8	13.3	13.8	13.6	14.0	14.4	15.0	14.6	15.0	15.5	16.0	15.5	15.9	16.5	17.1	16.5	16.9	17.5	18.1
		HI PR	139	149	158	164	156	167	177	184	177	190	201	210	201	217	229	239	227	244	258	269	250	270	285	297
		LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93
	1175	MBh	35.0	36.1	39.0	41.9	34.2	35.2	38.1	40.9	33.4	34.4	37.2	39.9	32.6	33.5	36.3	39.0	31.0	31.9	34.5	37.0	28.7	29.5	32.0	34.3
		S/T	0.76	0.68	0.51	0.33	0.79	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.87	0.78	0.59	0.38
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	2.78	2.84	2.93	3.02	2.99	3.06	3.16	3.26	3.18	3.25	3.36	3.47	3.35	3.42	3.54	3.65	3.49	3.57	3.69	3.81	3.61	3.69	3.82	3.95
		AMPS	11.8	12.1	12.5	13.0	12.8	13.1	13.5	14.0	13.9	14.2	14.7	15.3	14.9	15.2	15.8	16.4	15.8	16.2	16.8	17.4	16.8	17.2	17.8	18.5
		HI PR	141	152	161	168	159	171	180	188	181	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95
	1350	MBh	36.1	37.1	40.2	43.1	35.2	36.3	39.3	42.1	34.4	35.4	38.3	41.1	33.6	34.6	37.4	40.1	31.9	32.8	35.5	38.1	29.5	30.4	32.9	35.3
		S/T	0.80	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		KW	2.80	2.86	2.95	3.05	3.02	3.08	3.18	3.29	3.21	3.28	3.39	3.50	3.38	3.45	3.57	3.69	3.52	3.60	3.72	3.84	3.64	3.73	3.85	3.98
		AMPS	11.9	12.2	12.6	13.1	12.9	13.2	13.6	14.2	14.0	14.4	14.9	15.4	15.0	15.4	15.9	16.5	16.0	16.4	16.9	17.6	17.0	17.4	18.0	18.7
		HI PR	143	154	162	169	160	173	182	190	182	196	207	216	208	223	236	246	234	251	265	277	258	278	293	306
		LO PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA36A2A / BHA36FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1050	MBh	33.9	34.6	37.0	39.5	33.1	33.8	36.1	38.6	32.3	33.0	35.2	37.7	31.5	32.2	34.4	36.8	29.9	30.6	32.7	34.9	27.7	28.3	30.3	32.4
		S/T	0.80	0.75	0.61	0.45	0.83	0.77	0.63	0.47	0.85	0.79	0.65	0.48	0.87	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.92	0.86	0.70	0.52
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
		KW	2.76	2.82	2.90	3.00	2.97	3.03	3.13	3.23	3.16	3.22	3.33	3.44	3.32	3.39	3.51	3.62	3.46	3.54	3.66	3.78	3.58	3.66	3.78	3.91
		AMPS	11.7	12.0	12.4	12.8	12.7	13.0	13.4	13.9	13.8	14.1	14.6	15.1	14.7	15.1	15.6	16.2	15.7	16.1	16.6	17.3	16.6	17.0	17.6	18.3
		HI PR	140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	287	300
	LO PR	61	65	71	75	64	68	75	79	67	71	77	82	70	75	81	87	73	78	85	91	76	81	88	94	
	1175	MBh	35.6	36.4	38.9	41.6	34.8	35.6	38.0	40.6	34.0	34.7	37.1	39.7	33.2	33.9	36.2	38.7	31.5	32.2	34.4	36.8	29.2	29.8	31.9	34.1
		S/T	0.83	0.78	0.64	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.68	0.50	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.96	0.90	0.73	0.55
		Delta T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	16	22	21	18	15
		KW	2.80	2.86	2.95	3.05	3.02	3.08	3.18	3.29	3.21	3.28	3.39	3.50	3.38	3.45	3.57	3.69	3.52	3.60	3.72	3.84	3.64	3.73	3.85	3.98
		AMPS	11.9	12.2	12.6	13.1	12.9	13.2	13.7	14.2	14.0	14.4	14.9	15.4	15.0	15.4	15.9	16.5	16.0	16.4	16.9	17.6	17.0	17.4	18.0	18.7
		HI PR	143	154	162	169	160	173	182	190	182	196	207	216	208	223	236	246	234	251	266	277	258	278	293	306
	LO PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96	
	1350	MBh	36.7	37.5	40.1	42.8	35.9	36.6	39.2	41.9	35.0	35.8	38.2	40.9	34.2	34.9	37.3	39.9	32.4	33.2	35.4	37.9	30.1	30.7	32.8	35.1
		S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	22	21	18	15	20	20	17	14
		KW	2.82	2.88	2.98	3.07	3.04	3.11	3.21	3.31	3.24	3.31	3.41	3.53	3.41	3.48	3.60	3.72	3.55	3.63	3.75	3.88	3.67	3.76	3.88	4.02
		AMPS	12.0	12.3	12.7	13.2	13.0	13.3	13.8	14.3	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.7	16.1	16.5	17.1	17.8	17.1	17.5	18.1	18.8
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	249	236	254	268	280	261	281	296	309
	LO PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	94	78	83	91	97	

85	1050	MBh	34.5	35.1	36.8	39.2	33.7	34.3	35.9	38.3	32.9	33.5	35.1	37.4	32.1	32.7	34.2	36.5	30.4	31.0	32.5	34.7	28.2	28.8	30.1	32.1
		S/T	0.84	0.81	0.73	0.59	0.87	0.84	0.75	0.61	0.89	0.86	0.77	0.63	0.92	0.88	0.80	0.65	0.95	0.92	0.83	0.67	0.96	0.93	0.84	0.68
		Delta T	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	24	23	22	19
		KW	2.78	2.84	2.93	3.02	2.99	3.06	3.16	3.26	3.18	3.25	3.36	3.47	3.35	3.42	3.54	3.65	3.49	3.57	3.69	3.81	3.61	3.69	3.82	3.95
		AMPS	11.8	12.1	12.5	13.0	12.8	13.1	13.5	14.0	13.9	14.2	14.7	15.3	14.9	15.2	15.7	16.4	15.8	16.2	16.8	17.4	16.8	17.2	17.8	18.5
		HI PR	141	152	161	168	159	171	180	188	180	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303
	LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	82	89	95	
	1175	MBh	36.3	37.0	38.7	41.3	35.4	36.1	37.8	40.3	34.6	35.3	36.9	39.4	33.7	34.4	36.0	38.4	32.1	32.7	34.2	36.5	29.7	30.3	31.7	33.8
		S/T	0.87	0.84	0.76	0.62	0.90	0.87	0.79	0.64	0.93	0.89	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.96	0.87	0.70	1.00	0.97	0.87	0.71
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	25	23	20	23	23	22	19
		KW	2.82	2.88	2.98	3.07	3.04	3.11	3.21	3.31	3.24	3.31	3.41	3.53	3.41	3.48	3.60	3.72	3.55	3.63	3.75	3.88	3.67	3.76	3.88	4.02
		AMPS	12.0	12.3	12.7	13.2	13.0	13.3	13.8	14.3	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.7	16.1	16.5	17.1	17.8	17.1	17.5	18.1	18.8
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	249	236	254	268	280	261	281	296	309
	LO PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	94	78	83	91	97	
	1350	MBh	37.4	38.1	39.9	42.5	36.5	37.2	39.0	41.6	35.6	36.3	38.0	40.6	34.8	35.4	37.1	39.6	33.0	33.7	35.2	37.6	30.6	31.2	32.6	34.8
		S/T	0.92	0.88	0.80	0.65	0.95	0.92	0.83	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	22	23	22	19	21	21	20	18
		KW	2.85	2.91	3.00	3.10	3.07	3.13	3.23	3.34	3.26	3.33	3.44	3.56	3.43	3.51	3.63	3.75	3.58	3.66	3.78	3.91	3.71	3.79	3.92	4.05
		AMPS	12.1	12.4	12.8	13.3	13.1	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.7	16.2	16.8	16.3	16.7	17.3	17.9	17.3	17.7	18.3	19.0
		HI PR	146	157	166	173	164	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312
	LO PR	63	67	73	78	67	71	78	83	69	74	81	86	73	78	85	90	76	81	89	94	79	84	92	98	

* Entering Indoor Dry Bulb Temperature

RHA36A2A

Indoor Section	Capacity	Power
CCA36FCC+BBA36A2A	1.02	1.02
CCA42FCC+BBA36A2A	1.02	1.03
CHA30TCC+BBA36A2A	1.02	1.02
CHA36TCC+BBA36A2A	1.03	1.02
CCA36FCC+BBC36A2A	1.03	1.01
CCA42FCC+BBC36A2A	1.03	1.01
CHA30TCC+BBC36A2A	1.03	1.01
CHA36TCC+BBC36A2A	1.03	1.01
CCA36FDC+BBA48A2A	1.02	1.02
CCA42FDC+BBA48A2A	1.03	1.02
CCA48FCC+BBA48A2A	1.03	1.02
CHA42TCC+BBA48A2A	1.03	1.02
CCA36FCC+TXV+BBA3	1.02	1.02

Indoor Section	Capacity	Power
CCA42FCC+TXV+BBA3	1.03	1.02
CCA36FCC+TXV+BBC3	1.03	1.01
CCA42FCC+TXV+BBC3	1.03	1.01
CCA36FDC+TXV+BBA4	1.03	1.02
CCA42FDC+TXV+BBA4	1.03	1.02
CCA48FCC+TXV+BBA4	1.03	1.02
CCA36FKC+TXV+BBA6	1.02	1.02
CCA36FKC+TXV+BBC6	1.05	0.96
CCH30FCC	1.01	1.02
CCH36FCC	1.02	1.02
CCH48FCC	1.05	1.03
CHH30TCC	1.02	1.02
CHH36TCC	1.03	1.02

[illegible]

Indoor Section	Capacity	Power
CCA36FCC+BBA36A2A	1.00	1.02
CCA42FCC+BBA36A2A	1.00	1.02
CHA30TCC+BBA36A2A	1.00	1.02
CHA36TCC+BBA36A2A	1.00	1.02
CCA36FCC+BBC36A2A	0.99	1.01
CCA42FCC+BBC36A2A	1.00	1.00
CHA30TCC+BBC36A2A	0.99	1.01
CHA36TCC+BBC36A2A	1.00	1.00
CCA36FDC+BBA48A2A	0.99	1.02
CCA42FDC+BBA48A2A	1.00	1.01
CCA48FCC+BBA48A2A	1.00	1.00
CHA42TCC+BBA48A2A	1.00	1.00
CCA36FCC+TXV+BBA3	1.00	1.02

Indoor Section	Capacity	Power
CCA42FCC+TXV+BBA3	1.00	1.02
CCA36FCC+TXV+BBC3	0.99	1.01
CCA42FCC+TXV+BBC3	1.00	1.00
CCA36FDC+TXV+BBA4	0.99	1.02
CCA42FDC+TXV+BBA4	1.00	1.01
CCA48FCC+TXV+BBA4	1.00	1.00
CCA36FKC+TXV+BBA6	0.99	1.02
CCA36FKC+TXV+BBC6	0.98	0.95
CCH30FCC	0.99	1.04
CCH36FCC	0.99	1.03
CCH48FCC	1.01	1.01
CHH30TCC	0.99	1.04
CHH36TCC	0.99	1.03

[illegible]

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA42A2A / BHA42FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1575	MBh	41.6	43.2	47.3	-	40.7	42.2	46.2	-	39.7	41.2	45.1	-	38.7	40.2	44.0	-	36.8	38.1	41.8	-	34.1	35.3	38.7	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		KW	3.39	3.46	3.57	-	3.65	3.73	3.85	-	3.89	3.97	4.10	-	4.09	4.18	4.32	-	4.27	4.36	4.51	-	4.42	4.52	4.67	-
		AMPS	13.4	13.7	14.2	-	14.5	14.9	15.4	-	15.8	16.2	16.7	-	16.9	17.3	17.9	-	18.0	18.5	19.1	-	19.1	19.6	20.3	-
		HI PR	147	158	167	-	165	177	187	-	188	202	213	-	214	230	243	-	240	259	273	-	265	286	302	-
		LO PR	57	61	67	-	61	65	70	-	63	67	73	-	66	70	77	-	69	74	81	-	72	76	83	-
	1400	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.6	40.0	43.8	-	37.6	39.0	42.7	-	35.7	37.0	40.6	-	33.1	34.3	37.6	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	3.36	3.43	3.54	-	3.62	3.70	3.82	-	3.85	3.94	4.07	-	4.06	4.15	4.29	-	4.23	4.33	4.47	-	4.38	4.48	4.63	-
		AMPS	13.3	13.6	14.1	-	14.4	14.7	15.2	-	15.6	16.0	16.6	-	16.8	17.2	17.8	-	17.9	18.3	18.9	-	18.9	19.4	20.1	-
		HI PR	145	157	165	-	163	176	186	-	186	200	211	-	211	228	240	-	238	256	270	-	263	283	299	-
		LO PR	57	60	66	-	60	64	70	-	62	66	72	-	66	70	76	-	69	73	80	-	71	76	83	-
	1225	MBh	37.3	38.7	42.4	-	36.5	37.8	41.4	-	35.6	36.9	40.4	-	34.7	36.0	39.4	-	33.0	34.2	37.5	-	30.6	31.7	34.7	-
		S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.76	0.63	0.44	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		KW	3.28	3.35	3.46	-	3.53	3.61	3.73	-	3.76	3.84	3.97	-	3.96	4.04	4.18	-	4.12	4.22	4.36	-	4.27	4.36	4.51	-
		AMPS	12.9	13.2	13.7	-	14.0	14.3	14.8	-	15.2	15.6	16.1	-	16.3	16.7	17.3	-	17.3	17.8	18.4	-	18.4	18.9	19.5	-
		HI PR	141	152	160	-	158	170	180	-	180	194	205	-	205	221	233	-	231	248	262	-	255	274	290	-
		LO PR	55	59	64	-	58	62	68	-	61	64	70	-	64	68	74	-	67	71	77	-	69	73	80	-

75	1575	MBh	42.4	43.6	47.2	50.7	41.4	42.6	46.1	49.5	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.1	37.4	38.5	41.7	44.8	34.7	35.7	38.6	41.5
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41
		Delta T	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10
		KW	3.42	3.49	3.60	3.72	3.68	3.76	3.89	4.01	3.92	4.00	4.14	4.28	4.13	4.22	4.36	4.51	4.30	4.40	4.55	4.70	4.45	4.56	4.71	4.87
		AMPS	13.5	13.9	14.3	14.9	14.6	15.0	15.5	16.1	15.9	16.3	16.9	17.6	17.1	17.5	18.1	18.8	18.2	18.7	19.3	20.0	19.3	19.8	20.5	21.3
		HI PR	148	160	169	176	167	179	189	197	189	204	215	225	216	232	245	256	243	261	276	288	268	289	305	318
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	73	77	84	90
	1400	MBh	41.1	42.3	45.8	49.2	40.2	41.4	44.8	48.0	39.2	40.4	43.7	46.9	38.3	39.4	42.6	45.8	36.3	37.4	40.5	43.5	33.7	34.7	37.5	40.3
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	3.39	3.46	3.57	3.69	3.65	3.73	3.85	3.98	3.89	3.97	4.10	4.24	4.09	4.18	4.32	4.47	4.27	4.36	4.51	4.66	4.42	4.52	4.67	4.83
		AMPS	13.4	13.7	14.2	14.7	14.5	14.9	15.4	16.0	15.8	16.2	16.7	17.4	16.9	17.3	17.9	18.6	18.0	18.5	19.1	19.9	19.1	19.6	20.3	21.1
		HI PR	147	158	167	174	165	177	187	195	188	202	213	222	214	230	243	253	240	259	273	285	266	286	302	315
		LO PR	57	61	67	71	61	65	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89
	1225	MBh	38.0	39.1	42.3	45.4	37.1	38.2	41.3	44.3	36.2	37.3	40.3	43.3	35.3	36.3	39.3	42.2	33.5	34.5	37.4	40.1	31.1	32.0	34.6	37.2
		S/T	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	3.31	3.38	3.48	3.60	3.56	3.64	3.76	3.88	3.79	3.87	4.00	4.13	3.99	4.08	4.21	4.35	4.16	4.25	4.39	4.54	4.30	4.40	4.55	4.70
		AMPS	13.0	13.3	13.8	14.3	14.1	14.5	14.9	15.5	15.4	15.7	16.3	16.9	16.4	16.8	17.4	18.1	17.5	18.0	18.6	19.3	18.6	19.0	19.7	20.5
		HI PR	143	153	162	169	160	172	182	190	182	196	207	216	207	223	235	246	233	251	265	276	258	277	293	305
		LO PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	79	67	72	78	83	70	74	81	86

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA42A2A / BHA42FA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1575	MBh	43.1	44.0	47.1	50.3	42.1	43.0	46.0	49.1	41.1	42.0	44.9	48.0	40.1	41.0	43.8	46.8	38.1	38.9	41.6	44.5	35.3	36.1	38.5	41.2
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.58
		Delta T	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14
		KW	3.44	3.52	3.63	3.75	3.71	3.79	3.92	4.05	3.95	4.04	4.17	4.31	4.16	4.25	4.40	4.55	4.34	4.44	4.59	4.74	4.49	4.60	4.75	4.91
		AMPS	13.6	14.0	14.5	15.0	14.8	15.1	15.7	16.3	16.1	16.5	17.1	17.7	17.2	17.7	18.3	19.0	18.4	18.8	19.5	20.2	19.5	20.0	20.7	21.5
		HI PR	150	161	170	178	168	181	191	199	191	206	217	227	218	235	248	258	245	264	279	291	271	292	308	321
		LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	78	84	71	75	82	88	73	78	85	91
	1400	MBh	41.8	42.8	45.7	48.8	40.9	41.8	44.6	47.7	39.9	40.8	43.6	46.6	38.9	39.8	42.5	45.4	37.0	37.8	40.4	43.2	34.3	35.0	37.4	40.0
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		KW	3.42	3.49	3.60	3.72	3.68	3.76	3.89	4.01	3.92	4.01	4.14	4.28	4.13	4.22	4.36	4.51	4.30	4.40	4.55	4.70	4.46	4.56	4.71	4.87
		AMPS	13.5	13.9	14.3	14.9	14.6	15.0	15.5	16.1	15.9	16.3	16.9	17.6	17.1	17.5	18.1	18.8	18.2	18.7	19.3	20.0	19.3	19.8	20.5	21.3
		HI PR	148	160	169	176	167	179	189	197	189	204	215	225	216	232	245	256	243	261	276	288	268	289	305	318
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	73	77	84	90
	1225	MBh	38.6	39.5	42.2	45.1	37.7	38.6	41.2	44.0	36.8	37.6	40.2	43.0	35.9	36.7	39.2	41.9	34.1	34.9	37.3	39.8	31.6	32.3	34.5	36.9
		S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.87	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.88	0.71	0.53	0.94	0.88	0.72	0.54
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
		KW	3.33	3.40	3.51	3.63	3.59	3.67	3.79	3.91	3.82	3.90	4.03	4.17	4.02	4.11	4.25	4.39	4.19	4.29	4.43	4.58	4.34	4.44	4.59	4.75
		AMPS	13.1	13.5	13.9	14.5	14.2	14.6	15.1	15.7	15.5	15.9	16.4	17.1	16.6	17.0	17.6	18.3	17.7	18.1	18.7	19.5	18.8	19.2	19.9	20.7
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	209	225	238	248	235	253	268	279	260	280	296	308
		LO PR	56	60	65	70	59	63	69	74	62	66	72	76	65	69	75	80	68	72	79	84	70	75	82	87

85	1575	MBh	43.9	44.7	46.8	50.0	42.8	43.7	45.7	48.8	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	38.8	39.5	41.4	44.1	35.9	36.6	38.3	40.9
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.84	0.69	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		Delta T	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	23	23	22	19	21	21	21	18
		KW	3.47	3.55	3.66	3.78	3.74	3.83	3.95	4.08	3.98	4.07	4.21	4.35	4.20	4.29	4.43	4.58	4.38	4.47	4.63	4.78	4.53	4.63	4.79	4.96
		AMPS	13.8	14.1	14.6	15.1	14.9	15.3	15.8	16.4	16.2	16.7	17.2	17.9	17.4	17.8	18.4	19.2	18.5	19.0	19.7	20.4	19.7	20.2	20.9	21.7
		HI PR	151	163	172	179	170	183	193	201	193	208	220	229	220	237	250	261	248	266	281	293	274	294	311	324
		LO PR	59	63	69	73	63	67	73	77	65	69	75	80	68	73	79	84	72	76	83	88	74	79	86	92
	1400	MBh	42.6	43.4	45.5	48.5	41.6	42.4	44.4	47.4	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	37.6	38.4	40.2	42.9	34.9	35.5	37.2	39.7
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		Delta T	25	25	23	20	25	25	23	20	25	25	24	20	25	25	24	20	25	25	23	20	23	23	22	19
		KW	3.44	3.52	3.63	3.75	3.71	3.79	3.92	4.05	3.95	4.04	4.17	4.31	4.16	4.25	4.40	4.55	4.34	4.44	4.59	4.74	4.49	4.60	4.75	4.91
		AMPS	13.6	14.0	14.5	15.0	14.8	15.1	15.7	16.3	16.1	16.5	17.1	17.7	17.2	17.7	18.3	19.0	18.4	18.8	19.5	20.2	19.5	20.0	20.7	21.5
		HI PR	150	161	170	178	168	181	191	199	191	206	217	227	218	235	248	258	245	264	279	291	271	292	308	321
		LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	78	84	71	75	82	88	73	78	85	91
	1225	MBh	39.3	40.1	42.0	44.8	38.4	39.1	41.0	43.7	37.5	38.2	40.0	42.7	36.6	37.3	39.0	41.6	34.7	35.4	37.1	39.6	32.2	32.8	34.3	36.6
		S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.91	0.88	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.95	0.85	0.69	0.99	0.95	0.86	0.70
		Delta T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	26	25	24	21	24	23	22	19
		KW	3.36	3.43	3.54	3.66	3.62	3.70	3.82	3.95	3.85	3.94	4.07	4.20	4.06	4.15	4.28	4.43	4.23	4.32	4.47	4.62	4.38	4.48	4.63	4.79
		AMPS	13.3	13.6	14.1	14.6	14.4	14.7	15.2	15.8	15.6	16.0	16.6	17.2	16.7	17.2	17.8	18.4	17.9	18.3	18.9	19.7	18.9	19.4	20.1	20.9
		HI PR	145	157	165	172	163	176	185	193	186	200	211	220	211	227	240	251	238	256	270	282	263	283	299	311
		LO PR	57	60	66	70	60	64	70	74	62	66	72	77	66	70	76	81	69	73	80	85	71	76	83	88

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI rating conditions

EXPANDED PERFORMANCE DATA

RHA42A2A

Multipliers for *Cooling* Expanded Performance Data with Mix Matched Indoor Sections

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>
BHA36FA**2A	0.99	1.01
BHA48TA*82A	1.04	1.03
BHA36TB**2A	1.01	0.98
BHA42TB**2A	1.02	0.98
CHH36FCC	0.99	1.01
CHH36TCC	1.01	1.01
CCH48FCC	1.01	1.04
CHH48TCC	1.04	1.04
CCA42F*C	1.01	1.01
CCA48F*C	1.04	1.03
CHA36T*C	1.01	1.01
CHA42T*C	1.04	1.03
CCA42FCC+BBA36A2A	1.00	1.03

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>
CCA42FDC+BBA48A2A	1.01	1.02
CCA48FCC+BBA48A2A	1.02	1.02
CCA48FDC+BBA60A2A	1.02	1.01
CCA57FCC+BBA60A2A	1.02	1.01
CHA36TCC+BBA36A2A	1.01	1.03
CHA42TCC+BBA48A2A	1.02	1.02
CHA54TCC+BBA60A2A	1.02	1.01
CCA57FCC+BBC60A2A	1.05	0.99
CHA54TCC+BBC60A2A	1.05	0.99

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>

Multipliers for *Heating* Expanded Performance Data with Mix Matched Indoor Sections

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>
BHA36FA**2A	0.99	1.01
BHA48TA*82A	1.04	0.99
BHA36TB**2A	0.99	0.97
BHA42TB**2A	0.99	0.97
CHH36FCC	0.99	1.03
CHH36TCC	1.00	1.03
CCH48FCC	1.01	0.99
CHH48TCC	1.02	1.00
CCA42F*C	0.98	1.01
CCA48F*C	0.99	1.00
CHA36T*C	0.99	1.00
CHA42T*C	0.99	1.00
CCA42FCC+BBA36A2A	0.99	1.04

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>
CCA42FDC+BBA48A2A	0.99	1.03
CCA48FCC+BBA48A2A	1.00	1.01
CCA48FDC+BBA60A2A	0.99	1.00
CCA57FCC+BBA60A2A	1.01	0.98
CHA36TCC+BBA36A2A	0.99	1.04
CHA42TCC+BBA48A2A	1.01	0.99
CHA54TCC+BBA60A2A	1.00	0.98
CCA57FCC+BBC60A2A	1.00	0.94
CHA54TCC+BBC60A2A	1.00	0.94

<i>Indoor Section</i>	<i>Cap</i>	<i>Power</i>

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA48A2A / BHA48TA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	1800	MBh	46.1	47.8	52.4	-	45.1	46.7	51.2	-	44.0	45.6	49.9	-	42.9	44.5	48.7	-	40.8	42.2	46.3	-	37.8	39.1	42.9	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		Delta T	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	4.05	4.13	4.26	-	4.35	4.44	4.57	-	4.61	4.71	4.85	-	4.84	4.95	5.10	-	5.04	5.15	5.31	-	5.21	5.32	5.49	-
		AMPS	16.4	16.8	17.3	-	17.7	18.1	18.7	-	19.2	19.6	20.3	-	20.5	21.0	21.7	-	21.8	22.3	23.0	-	23.0	23.6	24.4	-
		HI PR	132	142	150	-	148	159	168	-	168	181	191	-	192	206	218	-	216	232	245	-	238	256	271	-
		LO PR	57	61	67	-	61	64	70	-	63	67	73	-	66	70	77	-	69	74	81	-	72	76	83	-
	1650	MBh	45.7	47.3	51.9	-	44.6	46.2	50.7	-	43.5	45.1	49.4	-	42.5	44.0	48.2	-	40.4	41.8	45.8	-	37.4	38.7	42.5	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.77	0.64	0.44	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		KW	4.04	4.12	4.25	-	4.34	4.43	4.56	-	4.60	4.70	4.84	-	4.83	4.93	5.09	-	5.03	5.13	5.30	-	5.20	5.31	5.48	-
		AMPS	16.4	16.7	17.3	-	17.6	18.1	18.6	-	19.1	19.6	20.2	-	20.4	20.9	21.6	-	21.7	22.2	23.0	-	23.0	23.5	24.3	-
		HI PR	131	141	149	-	148	159	168	-	168	181	191	-	191	206	217	-	215	231	244	-	238	256	270	-
		LO PR	57	61	66	-	60	64	70	-	63	67	73	-	66	70	77	-	69	74	80	-	72	76	83	-
	1400	MBh	42.1	43.7	47.9	-	41.2	42.7	46.8	-	40.2	41.7	45.6	-	39.2	40.6	44.5	-	37.2	38.6	42.3	-	34.5	35.8	39.2	-
		S/T	0.65	0.54	0.37	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.74	0.62	0.43	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	3.95	4.03	4.15	-	4.24	4.32	4.46	-	4.49	4.59	4.73	-	4.72	4.82	4.97	-	4.91	5.01	5.17	-	5.07	5.18	5.34	-
		AMPS	15.9	16.3	16.8	-	17.2	17.6	18.1	-	18.6	19.1	19.7	-	19.9	20.3	21.0	-	21.1	21.6	22.3	-	22.4	22.9	23.7	-
		HI PR	128	137	145	-	143	154	163	-	163	175	185	-	185	199	211	-	209	224	237	-	230	248	262	-
		LO PR	55	59	64	-	59	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	81	-

75	1800	MBh	46.9	48.3	52.3	56.1	45.8	47.2	51.1	54.8	44.7	46.0	49.8	53.5	43.6	44.9	48.6	52.2	41.5	42.7	46.2	49.6	38.4	39.5	42.8	45.9
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
		Delta T	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	17	16	13	9
		KW	4.08	4.17	4.29	4.42	4.38	4.47	4.61	4.76	4.65	4.75	4.89	5.05	4.88	4.99	5.14	5.31	5.08	5.19	5.36	5.53	5.25	5.37	5.54	5.72
		AMPS	16.5	16.9	17.5	18.1	17.8	18.3	18.9	19.6	19.4	19.8	20.5	21.2	20.7	21.2	21.9	22.7	22.0	22.5	23.2	24.1	23.3	23.8	24.6	25.5
		HI PR	133	143	151	158	149	161	170	177	170	183	193	202	194	208	220	230	218	234	248	258	241	259	274	285
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	72	77	84	90
	1650	MBh	46.4	47.8	51.8	55.5	45.4	46.7	50.6	54.3	44.3	45.6	49.3	53.0	43.2	44.5	48.1	51.7	41.0	42.3	45.7	49.1	38.0	39.1	42.4	45.5
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10
		KW	4.07	4.16	4.28	4.41	4.37	4.46	4.60	4.75	4.64	4.73	4.88	5.04	4.87	4.97	5.13	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.53	5.71
		AMPS	16.5	16.9	17.4	18.1	17.8	18.2	18.8	19.5	19.3	19.8	20.4	21.2	20.6	21.1	21.8	22.6	21.9	22.4	23.2	24.1	23.2	23.8	24.6	25.5
		HI PR	133	143	151	157	149	160	169	177	170	182	193	201	193	208	219	229	217	234	247	257	240	258	273	284
		LO PR	58	61	67	71	61	65	71	76	63	68	74	78	67	71	77	82	70	74	81	86	72	77	84	89
	1400	MBh	42.9	44.1	47.8	51.3	41.9	43.1	46.7	50.1	40.9	42.1	45.5	48.9	39.9	41.1	44.4	47.7	37.9	39.0	42.2	45.3	35.1	36.1	39.1	42.0
		S/T	0.73	0.66	0.50	0.32	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.81	0.72	0.54	0.35	0.84	0.75	0.57	0.36	0.84	0.75	0.57	0.37
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	3.98	4.06	4.18	4.31	4.27	4.36	4.49	4.63	4.53	4.62	4.77	4.92	4.75	4.85	5.01	5.17	4.95	5.05	5.21	5.38	5.11	5.22	5.39	5.57
		AMPS	16.1	16.4	17.0	17.6	17.3	17.7	18.3	19.0	18.8	19.2	19.9	20.6	20.1	20.5	21.2	22.0	21.3	21.8	22.6	23.4	22.6	23.1	23.9	24.8
		HI PR	129	139	146	153	145	156	164	171	164	177	187	195	187	202	213	222	211	227	239	250	233	250	265	276
		LO PR	56	60	65	69	59	63	69	73	62	65	71	76	65	69	75	80	68	72	79	84	70	75	81	87

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA48A2A / BHA48TA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	47.7	48.8	52.1	55.7	46.6	47.6	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	48.5	51.8	42.2	43.1	46.1	49.2	39.1	39.9	42.7	45.6
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	21	20	17	14	20	19	16	13
		KW	4.11	4.20	4.32	4.46	4.42	4.51	4.65	4.79	4.69	4.78	4.93	5.09	4.92	5.03	5.19	5.35	5.12	5.23	5.40	5.58	5.30	5.41	5.58	5.77
		AMPS	16.7	17.1	17.6	18.3	18.0	18.4	19.0	19.7	19.5	20.0	20.7	21.4	20.9	21.4	22.1	22.9	22.2	22.7	23.5	24.3	23.5	24.0	24.8	25.8
		HI PR	135	145	153	159	151	162	172	179	172	185	195	204	196	210	222	232	220	237	250	261	243	262	276	288
		LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	78	84	71	75	82	88	73	78	85	91
	1650	MBh	47.3	48.3	51.6	55.2	46.2	47.2	50.4	53.9	45.1	46.1	49.2	52.6	44.0	44.9	48.0	51.3	41.8	42.7	45.6	48.7	38.7	39.5	42.2	45.2
		S/T	0.83	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	22	21	18	15	21	20	17	14
		KW	4.10	4.19	4.31	4.45	4.41	4.50	4.64	4.78	4.67	4.77	4.92	5.08	4.91	5.01	5.17	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
		AMPS	16.6	17.0	17.6	18.2	18.0	18.4	19.0	19.7	19.5	19.9	20.6	21.4	20.8	21.3	22.0	22.8	22.1	22.7	23.4	24.3	23.4	24.0	24.8	25.7
		HI PR	134	144	152	159	151	162	171	178	171	184	195	203	195	210	222	231	219	236	249	260	242	261	275	287
		LO PR	58	62	68	72	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
	1400	MBh	43.6	44.6	47.6	50.9	42.6	43.5	46.5	49.7	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	38.6	39.4	42.1	45.0	35.7	36.5	39.0	41.7
		S/T	0.80	0.75	0.61	0.46	0.83	0.78	0.64	0.48	0.86	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.92	0.87	0.71	0.53
		Delta T	23	22	19	15	23	22	19	16	23	22	19	16	24	23	20	16	23	22	19	15	22	21	18	14
		KW	4.01	4.09	4.21	4.34	4.30	4.39	4.53	4.67	4.56	4.66	4.80	4.96	4.79	4.89	5.05	5.21	4.99	5.09	5.25	5.43	5.15	5.26	5.43	5.61
		AMPS	16.2	16.6	17.1	17.7	17.5	17.9	18.5	19.1	19.0	19.4	20.0	20.8	20.2	20.7	21.4	22.2	21.5	22.0	22.8	23.6	22.8	23.3	24.1	25.0
		HI PR	130	140	148	154	146	157	166	173	166	179	189	197	189	204	215	224	213	229	242	252	235	253	267	279
		LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	88

85	1800	MBh	48.6	49.5	51.9	55.3	47.4	48.4	50.6	54.0	46.3	47.2	49.4	52.7	45.2	46.1	48.2	51.5	42.9	43.8	45.8	48.9	39.8	40.5	42.4	45.3
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
		Delta T	22	22	21	18	22	22	21	18	22	22	21	18	23	22	21	18	22	22	21	18	20	20	19	17
		KW	4.15	4.23	4.36	4.49	4.45	4.54	4.68	4.83	4.72	4.82	4.97	5.13	4.96	5.07	5.23	5.40	5.16	5.27	5.44	5.62	5.34	5.45	5.63	5.82
		AMPS	16.8	17.2	17.8	18.4	18.2	18.6	19.2	19.9	19.7	20.2	20.8	21.6	21.0	21.6	22.3	23.1	22.4	22.9	23.7	24.6	23.7	24.3	25.1	26.0
		HI PR	136	146	154	161	153	164	173	181	173	187	197	206	198	213	224	234	222	239	253	263	246	264	279	291
		LO PR	59	63	69	73	62	66	73	77	65	69	75	80	68	73	79	84	71	76	83	88	74	79	86	91
	1650	MBh	48.1	49.0	51.3	54.8	47.0	47.9	50.1	53.5	45.9	46.7	49.0	52.2	44.7	45.6	47.8	51.0	42.5	43.3	45.4	48.4	39.4	40.1	42.0	44.8
		S/T	0.88	0.84	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.87	0.71
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	24	24	22	19	24	23	22	19	22	22	20	18
		KW	4.14	4.22	4.35	4.48	4.44	4.53	4.67	4.82	4.71	4.81	4.96	5.12	4.95	5.05	5.22	5.38	5.15	5.26	5.43	5.61	5.33	5.44	5.62	5.80
		AMPS	16.8	17.2	17.7	18.4	18.1	18.5	19.1	19.9	19.7	20.1	20.8	21.6	21.0	21.5	22.2	23.0	22.3	22.9	23.6	24.5	23.6	24.2	25.0	26.0
		HI PR	136	146	154	161	152	164	173	180	173	186	197	205	197	212	224	233	222	238	252	263	245	263	278	290
		LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
	1400	MBh	44.4	45.2	47.4	50.6	43.4	44.2	46.3	49.4	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.0	39.2	40.0	41.9	44.7	36.3	37.0	38.8	41.4
		S/T	0.84	0.81	0.73	0.60	0.87	0.84	0.76	0.62	0.90	0.87	0.78	0.63	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.97	0.93	0.84	0.68
		Delta T	25	24	23	20	25	24	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	21	19
		KW	4.04	4.12	4.25	4.38	4.34	4.43	4.56	4.71	4.60	4.70	4.84	5.00	4.83	4.93	5.09	5.25	5.03	5.13	5.30	5.47	5.19	5.31	5.48	5.66
		AMPS	16.3	16.7	17.3	17.9	17.6	18.1	18.6	19.3	19.1	19.6	20.2	21.0	20.4	20.9	21.6	22.4	21.7	22.2	23.0	23.8	23.0	23.5	24.3	25.2
		HI PR	131	141	149	156	147	159	168	175	168	181	191	199	191	206	217	226	215	231	244	255	237	256	270	281
		LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	88

* Entering Indoor Dry Bulb Temperature

RHA48A2A

Indoor Section	Capacity	Power
CHA42TCC+BBA48A2A	1.00	1.01
CHA54TCC+BBA60A2A	1.00	1.00
CHA57TCC+BBA60A2A	1.01	1.00
CHA54TCC+BBC60A2A	1.04	0.98
CHA57TCC+BBC60A2A	1.05	0.98
CCH48FCC	1.02	1.02
CCH60FCC	1.06	1.03
CHH48TCC	1.04	1.02
CHH60TCC	1.07	1.03

[illegible][illegible]

Indoor Section	Capacity	Power
CHA42TCC+BBA48A2A	1.00	1.01
CHA54TCC+BBA60A2A	1.01	0.98
CHA57TCC+BBA60A2A	1.02	0.97
CHA54TCC+BBC60A2A	1.01	0.93
CHA57TCC+BBC60A2A	1.01	0.92
CCH48FCC	1.00	1.01
CCH60FCC	1.02	0.99
CHH48TCC	1.02	1.01
CHH60TCC	1.04	0.99

[illegible][illegible]

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA60A2A / BHA60TA--2A

COOLING PERFORMANCE DATA

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1750	MBh	53.7	55.6	61.0	-	52.4	54.4	59.5	-	51.2	53.1	58.1	-	49.9	51.8	56.7	-	47.4	49.2	53.9	-	43.9	45.6	49.9	-
		S/T	0.65	0.54	0.37	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.74	0.62	0.43	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	4.73	4.82	4.97	-	5.07	5.18	5.34	-	5.38	5.49	5.67	-	5.65	5.77	5.95	-	5.88	6.01	6.20	-	6.08	6.21	6.41	-
		AMPS	17.7	18.1	18.7	-	19.1	19.6	20.2	-	20.8	21.3	22.0	-	22.2	22.7	23.5	-	23.6	24.2	25.0	-	25.0	25.6	26.5	-
		HI PR	134	144	152	-	150	161	170	-	170	183	194	-	194	209	221	-	218	235	248	-	241	260	274	-
		LO PR	54	58	63	-	57	61	66	-	59	63	69	-	62	66	73	-	65	70	76	-	68	72	79	-
	1800	MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-
		S/T	0.65	0.55	0.38	-	0.68	0.57	0.39	-	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.75	0.63	0.43	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	4.78	4.87	5.02	-	5.13	5.23	5.39	-	5.44	5.55	5.73	-	5.71	5.83	6.02	-	5.94	6.07	6.27	-	6.14	6.28	6.48	-
		AMPS	17.9	18.4	18.9	-	19.4	19.8	20.5	-	21.0	21.5	22.2	-	22.5	23.0	23.8	-	23.9	24.5	25.3	-	25.3	25.9	26.8	-
		HI PR	135	146	154	-	152	163	172	-	173	186	196	-	197	212	223	-	221	238	251	-	244	263	278	-
		LO PR	55	58	64	-	58	62	67	-	60	64	70	-	63	67	74	-	66	71	77	-	69	73	80	-
	2000	MBh	55.0	57.0	62.5	-	53.8	55.7	61.1	-	52.5	54.4	59.6	-	51.2	53.1	58.1	-	48.6	50.4	55.2	-	45.1	46.7	51.2	-
		S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	4.80	4.90	5.05	-	5.15	5.26	5.42	-	5.47	5.58	5.76	-	5.74	5.87	6.05	-	5.98	6.11	6.30	-	6.18	6.31	6.52	-
		AMPS	18.0	18.5	19.1	-	19.5	19.9	20.6	-	21.2	21.7	22.4	-	22.6	23.1	23.9	-	24.0	24.6	25.4	-	25.5	26.1	27.0	-
		HI PR	136	147	155	-	153	164	174	-	174	187	198	-	198	213	225	-	223	240	253	-	246	265	280	-
		LO PR	55	59	64	-	58	62	68	-	61	65	70	-	64	68	74	-	67	71	78	-	69	73	80	-

75	1750	MBh	54.6	56.2	60.8	65.3	53.3	54.9	59.4	63.8	52.1	53.6	58.0	62.3	50.8	52.3	56.6	60.7	48.2	49.7	53.8	57.7	44.7	46.0	49.8	53.5
		S/T	0.74	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.84	0.75	0.57	0.37
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	4.76	4.86	5.01	5.16	5.11	5.22	5.38	5.55	5.42	5.54	5.71	5.89	5.70	5.82	6.00	6.20	5.93	6.06	6.25	6.46	6.13	6.26	6.46	6.68
		AMPS	17.9	18.3	18.9	19.6	19.3	19.8	20.4	21.2	21.0	21.5	22.2	23.0	22.4	22.9	23.7	24.6	23.8	24.4	25.2	26.2	25.2	25.8	26.7	27.7
		HI PR	135	145	153	160	151	163	172	179	172	185	196	204	196	211	223	232	221	237	251	261	244	262	277	289
		LO PR	55	58	64	68	58	61	67	71	60	64	70	74	63	67	73	78	66	70	77	82	68	73	79	85
	1800	MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0
		S/T	0.74	0.66	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.53	0.34	0.81	0.73	0.55	0.35	0.85	0.76	0.57	0.37	0.85	0.76	0.58	0.37
		Delta T	21	19	16	11	21	19	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	4.81	4.91	5.06	5.22	5.17	5.27	5.44	5.61	5.48	5.60	5.77	5.96	5.76	5.88	6.07	6.26	5.99	6.12	6.32	6.53	6.20	6.33	6.53	6.75
		AMPS	18.1	18.5	19.1	19.8	19.5	20.0	20.7	21.4	21.2	21.7	22.4	23.3	22.7	23.2	24.0	24.9	24.1	24.7	25.5	26.5	25.5	26.2	27.0	28.1
		HI PR	137	147	155	162	153	165	174	182	174	188	198	207	199	214	226	235	223	240	254	265	247	266	281	293
		LO PR	55	59	64	69	59	62	68	72	61	65	71	75	64	68	74	79	67	71	78	83	69	74	80	86
	2000	MBh	56.0	57.6	62.4	67.0	54.7	56.3	60.9	65.4	53.4	55.0	59.5	63.8	52.1	53.6	58.0	62.3	49.5	50.9	55.1	59.2	45.8	47.2	51.1	54.8
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
		Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		KW	4.84	4.94	5.09	5.24	5.20	5.30	5.47	5.64	5.51	5.63	5.80	5.99	5.79	5.91	6.10	6.30	6.03	6.16	6.35	6.56	6.23	6.37	6.57	6.79
		AMPS	18.2	18.6	19.2	19.9	19.7	20.1	20.8	21.6	21.3	21.9	22.6	23.4	22.8	23.4	24.1	25.0	24.3	24.9	25.7	26.7	25.7	26.3	27.2	28.2
		HI PR	138	148	156	163	154	166	175	183	176	189	200	208	200	215	227	237	225	242	256	267	249	268	283	295
		LO PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	80	67	72	78	83	70	74	81	86

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: RHA60A2A / BHA60TA--2A

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1750	MBh	55.6	56.8	60.7	64.8	54.3	55.5	59.3	63.3	53.0	54.1	57.8	61.8	51.7	52.8	56.4	60.3	49.1	50.2	53.6	57.3	45.5	46.5	49.7	53.1
		S/T	0.81	0.76	0.62	0.46	0.84	0.78	0.64	0.48	0.86	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.92	0.86	0.70	0.52	0.93	0.87	0.71	0.53
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		KW	4.80	4.90	5.05	5.20	5.16	5.26	5.42	5.60	5.47	5.58	5.76	5.94	5.74	5.87	6.05	6.25	5.98	6.11	6.30	6.51	6.18	6.31	6.52	6.73
		AMPS	18.0	18.5	19.1	19.8	19.5	20.0	20.6	21.4	21.2	21.7	22.4	23.2	22.6	23.1	23.9	24.8	24.0	24.6	25.4	26.4	25.5	26.1	27.0	28.0
		HI PR	136	147	155	161	153	165	174	181	174	187	198	206	198	213	225	235	223	240	253	264	246	265	280	292
		LO PR	55	59	64	68	58	62	68	72	61	65	70	75	64	68	74	79	67	71	78	83	69	74	80	85
	1800	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6
		S/T	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.71	0.53
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	21	18	15
		KW	4.85	4.95	5.10	5.26	5.21	5.32	5.48	5.65	5.52	5.64	5.82	6.01	5.80	5.93	6.12	6.32	6.04	6.17	6.37	6.58	6.25	6.38	6.59	6.81
		AMPS	18.3	18.7	19.3	20.0	19.7	20.2	20.8	21.6	21.4	21.9	22.6	23.5	22.9	23.4	24.2	25.1	24.3	24.9	25.8	26.7	25.8	26.4	27.3	28.3
		HI PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	249	268	283	296
		LO PR	56	60	65	69	59	63	69	73	61	65	71	76	65	69	75	80	68	72	79	84	70	74	81	87
	2000	MBh	57.0	58.2	62.2	66.5	55.6	56.9	60.7	64.9	54.3	55.5	59.3	63.4	53.0	54.2	57.9	61.8	50.3	51.4	55.0	58.8	46.6	47.7	50.9	54.4
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14
		KW	4.88	4.97	5.13	5.28	5.24	5.35	5.51	5.69	5.56	5.67	5.85	6.04	5.84	5.96	6.15	6.35	6.08	6.21	6.41	6.62	6.28	6.42	6.63	6.85
		AMPS	18.4	18.8	19.4	20.1	19.8	20.3	21.0	21.8	21.5	22.1	22.8	23.6	23.0	23.6	24.4	25.3	24.5	25.1	25.9	26.9	25.9	26.6	27.5	28.5
		HI PR	139	150	158	165	156	168	177	185	177	191	202	210	202	217	230	239	227	245	258	269	251	270	285	298
		LO PR	56	60	65	70	60	63	69	74	62	66	72	77	65	69	76	80	68	73	79	84	70	75	82	87

85	1750	MBh	56.5	57.6	60.4	64.4	55.2	56.3	59.0	62.9	53.9	55.0	57.6	61.4	52.6	53.6	56.1	59.9	50.0	50.9	53.3	56.9	46.3	47.2	49.4	52.7
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.78	0.63	0.93	0.89	0.81	0.66	0.96	0.93	0.84	0.68	0.97	0.94	0.85	0.69
		Delta T	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	25	25	23	20	24	23	22	19
		KW	4.84	4.94	5.09	5.24	5.20	5.30	5.47	5.64	5.51	5.63	5.80	5.99	5.79	5.91	6.10	6.30	6.03	6.16	6.35	6.56	6.23	6.37	6.57	6.79
		AMPS	18.2	18.6	19.2	19.9	19.7	20.1	20.8	21.6	21.3	21.9	22.6	23.4	22.8	23.4	24.1	25.0	24.3	24.9	25.7	26.7	25.7	26.3	27.2	28.2
		HI PR	138	148	156	163	154	166	175	183	176	189	200	208	200	215	227	237	225	242	256	267	249	268	283	295
		LO PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	80	67	72	78	83	70	74	81	86
	1800	MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	0.98	0.95	0.85	0.69
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	25	25	23	20	23	23	22	19
		KW	4.89	4.99	5.14	5.30	5.25	5.36	5.52	5.70	5.57	5.69	5.87	6.05	5.85	5.98	6.17	6.37	6.09	6.22	6.42	6.63	6.30	6.43	6.64	6.86
		AMPS	18.4	18.9	19.5	20.2	19.9	20.4	21.0	21.8	21.6	22.1	22.9	23.7	23.1	23.6	24.4	25.3	24.6	25.2	26.0	27.0	26.0	26.6	27.5	28.6
		HI PR	139	150	158	165	156	168	178	185	178	191	202	211	203	218	230	240	228	245	259	270	252	271	286	299
		LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	87
	2000	MBh	58.0	59.1	61.9	66.0	56.6	57.7	60.4	64.5	55.3	56.3	59.0	62.9	53.9	55.0	57.6	61.4	51.2	52.2	54.7	58.3	47.5	48.4	50.7	54.0
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	24	24	22	19	22	22	21	18
		KW	4.91	5.01	5.17	5.33	5.28	5.39	5.55	5.73	5.60	5.72	5.90	6.09	5.88	6.01	6.20	6.40	6.12	6.26	6.46	6.67	6.33	6.47	6.68	6.90
		AMPS	18.5	19.0	19.6	20.3	20.0	20.5	21.2	22.0	21.7	22.3	23.0	23.9	23.2	23.8	24.6	25.5	24.7	25.3	26.2	27.2	26.2	26.8	27.7	28.8
		HI PR	140	151	160	166	158	170	179	187	179	193	204	212	204	220	232	242	230	247	261	272	254	273	288	301
		LO PR	57	61	66	70	60	64	70	74	63	67	73	77	66	70	76	81	69	73	80	85	71	76	83	88

* Entering Indoor Dry Bulb Temperature

EXPANDED PERFORMANCE DATA

RHA60A2A

Multipliers for *Cooling* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA57FCC+BBA60A2A	1.01	1.01
CCA60FCC+BBA60A2A	1.02	1.02
CHA54TCC+BBA60A2A	1.01	1.01
CHA57TCC+BBA60A2A	1.02	1.02
CHA60TCC+BBA60A2A	1.04	1.02
CCA57FCC+BBC60A2A	1.04	0.97
CCA60FCC+BBC60A2A	1.04	0.97
CHA54TCC+BBC60A2A	1.04	0.97
CHA57TCC+BBC60A2A	1.04	0.97
CHA60TCC+BBC60A2A	1.05	0.98
CCA57FCC+TXV+BBA60A2A	1.01	1.01
CCA60FCC+TXV+BBA60A2A	1.02	1.02
CCA57FCC+TXV+BBC60A2A	1.04	0.97

Indoor Section	Capacity	Power
CCA60FCC+TXV+BBC60A2A	1.04	0.97
CCH48FCC	1.01	1.00
CCH60FCC	1.04	1.01
CHH48TCC	1.03	1.00
CHH60TCC	1.05	1.01

Indoor Section	Capacity	Power

Multipliers for *Heating* Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Capacity	Power
CCA57FCC+BBA60A2A	1.02	1.02
CCA60FCC+BBA60A2A	1.02	1.00
CHA54TCC+BBA60A2A	1.02	1.02
CHA57TCC+BBA60A2A	1.02	1.00
CHA60TCC+BBA60A2A	1.02	0.95
CCA57FCC+BBC60A2A	1.01	0.97
CCA60FCC+BBC60A2A	1.01	0.95
CHA54TCC+BBC60A2A	1.01	0.97
CHA57TCC+BBC60A2A	1.01	0.95
CHA60TCC+BBC60A2A	1.01	0.90
CCA57FCC+TXV+BBA60A2A	1.02	1.02
CCA60FCC+TXV+BBA60A2A	1.02	1.00
CCA57FCC+TXV+BBC60A2A	1.01	0.97

Indoor Section	Capacity	Power
CCA60FCC+TXV+BBC60A2A	1.01	0.95
CCH48FCC	0.99	0.98
CCH60FCC	1.00	0.97
CHH48TCC	1.02	0.98
CHH60TCC	1.02	0.97

Indoor Section	Capacity	Power

EXPANDED PERFORMANCE DATA

MODEL: RHA18A2A / BHA18FA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	20.7	19.6	18.5	17.3	16.5	16.0	14.9	13.7	12.1	11.2	10.3	9.7	9.3	8.4	7.4	6.5	5.5	4.5
T/R	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	18.7	17.2	15.9	15.0	14.4	12.9	11.5	10.0	8.5	7.0
KW	1.68	1.65	1.61	1.58	1.56	1.55	1.51	1.48	1.66	1.62	1.58	1.56	1.55	1.51	1.47	1.43	1.39	1.35
AMPS	9.1	8.4	7.9	7.5	7.2	7.1	6.7	6.4	6.1	5.9	5.6	5.5	5.4	5.2	4.8	4.6	4.3	3.9
COP	3.61	3.49	3.35	3.20	3.09	3.02	2.87	2.71	2.13	2.01	1.90	1.82	1.77	1.63	1.48	1.33	1.16	0.98
EER	12.3	11.9	11.5	10.9	10.6	10.3	9.8	9.2	7.3	6.9	6.5	6.2	6.0	5.6	5.1	4.5	4.0	3.4
HI PR	238	228	220	210	205	201	193	186	178	170	163	159	156	150	145	139	134	129
LO PR	72	66	62	57	54	52	48	43	38	34	30	28	27	23	20	17	15	11

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED PERFORMANCE DATA

MODEL: RHA24A2A / BHA24FA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	30.4	28.8	27.1	25.3	24.2	23.4	21.8	20.1	16.4	15.2	14.0	13.2	12.7	11.4	10.1	8.8	7.5	6.2
T/R	33.1	31.4	29.5	27.6	26.4	25.5	23.7	21.9	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
KW	2.45	2.40	2.35	2.30	2.28	2.26	2.21	2.16	2.42	2.36	2.31	2.28	2.25	2.20	2.14	2.09	2.03	1.98
AMPS	11.0	10.2	9.6	9.0	8.7	8.5	8.1	7.7	7.4	7.0	6.7	6.6	6.5	6.2	5.8	5.4	5.1	4.6
COP	3.64	3.51	3.37	3.22	3.11	3.04	2.88	2.72	1.99	1.88	1.77	1.70	1.65	1.52	1.38	1.24	1.08	0.91
EER	12.4	12.0	11.5	11.0	10.6	10.4	9.9	9.3	6.8	6.4	6.1	5.8	5.6	5.2	4.7	4.2	3.7	3.1
HI PR	257	246	237	226	221	217	208	200	192	183	176	171	168	162	156	149	144	139
LO PR	73	68	63	58	55	53	49	43	39	35	31	29	28	23	20	17	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED PERFORMANCE DATA

MODEL: RHA30A2A / BHA30FA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	37.2	35.2	33.2	31.0	29.6	28.7	26.6	24.6	20.3	18.7	17.3	16.3	15.7	14.1	12.5	10.9	9.3	7.6
T/R	34.5	32.6	30.7	28.7	27.4	26.6	24.7	22.7	18.8	17.4	16.0	15.1	14.5	13.0	11.6	10.1	8.6	7.0
KW	2.89	2.84	2.78	2.72	2.69	2.67	2.61	2.56	2.86	2.79	2.73	2.69	2.67	2.60	2.53	2.47	2.40	2.34
AMPS	13.2	12.2	11.5	10.8	10.4	10.2	9.6	9.1	8.8	8.4	8.0	7.8	7.7	7.3	6.8	6.4	5.9	5.4
COP	3.77	3.64	3.49	3.33	3.22	3.15	2.98	2.81	2.08	1.96	1.85	1.77	1.72	1.59	1.44	1.29	1.13	0.95
EER	12.9	12.4	11.9	11.4	11.0	10.8	10.2	9.6	7.1	6.7	6.3	6.1	5.9	5.4	4.9	4.4	3.9	3.3
HI PR	261	251	241	230	225	221	212	204	195	186	179	175	171	165	159	152	147	142
LO PR	76	70	66	60	57	55	50	45	41	36	32	30	29	24	21	18	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED PERFORMANCE DATA

MODEL: RHA36A2A / BHA36FA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	45.5	43.1	40.5	37.9	36.2	35.1	32.6	30.0	25.0	23.0	21.2	20.0	19.3	17.3	15.4	13.4	11.4	9.4
T/R	35.9	33.9	31.9	29.9	28.5	27.6	25.7	23.7	19.7	18.2	16.7	15.8	15.2	13.6	12.1	10.5	9.0	7.4
KW	3.55	3.48	3.41	3.33	3.29	3.26	3.20	3.13	3.51	3.42	3.34	3.29	3.26	3.18	3.10	3.01	2.93	2.85
AMPS	18.0	16.7	15.6	14.6	14.1	13.8	13.0	12.3	11.8	11.3	10.7	10.5	10.3	9.8	9.1	8.6	7.9	7.1
COP	3.75	3.63	3.48	3.33	3.22	3.15	2.98	2.81	2.08	1.97	1.86	1.78	1.73	1.59	1.45	1.30	1.14	0.96
EER	12.8	12.4	11.9	11.4	11.0	10.7	10.2	9.6	7.1	6.7	6.3	6.1	5.9	5.5	5.0	4.4	3.9	3.3
HI PR	273	262	252	241	235	231	222	213	204	195	187	182	179	172	166	159	153	148
LO PR	71	66	62	57	54	52	47	42	38	34	30	28	27	23	20	17	14	11

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED PERFORMANCE DATA

MODEL: RHA42A2A / BHA42FA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	53.4	50.6	47.6	44.5	42.5	41.2	38.3	35.3	30.9	28.5	26.3	24.8	23.9	21.4	19.0	16.6	14.1	11.6
T/R	35.3	33.4	31.5	29.4	28.1	27.2	25.3	23.3	20.4	18.9	17.4	16.4	15.8	14.2	12.6	11.0	9.3	7.7
KW	4.28	4.20	4.11	4.02	3.97	3.94	3.85	3.77	4.24	4.13	4.03	3.97	3.93	3.83	3.73	3.63	3.53	3.43
AMPS	20.9	19.3	18.0	16.9	16.3	16.0	15.0	14.2	13.6	13.0	12.4	12.0	11.9	11.3	10.5	9.8	9.0	8.1
COP	3.65	3.53	3.39	3.24	3.13	3.06	2.90	2.74	2.14	2.02	1.91	1.83	1.78	1.64	1.49	1.33	1.17	0.99
EER	12.5	12.1	11.6	11.1	10.7	10.5	9.9	9.4	7.3	6.9	6.5	6.2	6.1	5.6	5.1	4.6	4.0	3.4
HI PR	303	290	279	267	261	256	246	236	226	216	207	202	199	191	184	176	170	164
LO PR	70	65	60	55	52	50	46	41	37	33	29	27	26	22	19	16	14	11

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

EXPANDED PERFORMANCE DATA

MODEL: RHA48A2A / BHA48TA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	62.9	59.5	56.0	52.4	50.0	48.5	45.0	41.5	36.4	33.6	30.9	29.2	28.1	25.2	22.4	19.5	16.6	13.6
T/R	35.3	33.4	31.4	29.4	28.1	27.2	25.3	23.3	20.4	18.8	17.4	16.4	15.8	14.2	12.6	10.9	9.3	7.7
KW	5.17	5.07	4.97	4.87	4.81	4.77	4.67	4.58	5.12	5.00	4.88	4.81	4.77	4.65	4.53	4.42	4.30	4.19
AMPS	26.2	24.2	22.7	21.4	20.6	20.2	19.1	18.1	17.3	16.6	15.8	15.4	15.2	14.5	13.5	12.7	11.8	10.6
COP	3.56	3.44	3.30	3.15	3.04	2.97	2.82	2.65	2.08	1.97	1.85	1.78	1.73	1.59	1.44	1.29	1.13	0.95
EER	12.2	11.7	11.3	10.7	10.4	10.2	9.6	9.1	7.1	6.7	6.3	6.1	5.9	5.4	4.9	4.4	3.9	3.3
HI PR	289	277	267	255	249	244	235	225	216	206	198	193	190	183	176	168	162	157
LO PR	76	70	66	61	57	55	51	45	41	36	32	30	29	24	21	18	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

HEATING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: RHA60A2A / BHA60TA--2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	76.7	72.6	68.3	63.9	61.0	59.1	54.9	50.6										
T/R	39.4	37.3	35.1	32.9	31.4	30.4	28.2	26.0										
KW	6.33	6.21	6.08	5.96	5.89	5.84	5.72	5.60	6.26	6.12	5.98	5.89	5.83	5.69	5.54	5.40	5.25	5.11
AMPS	30.3	28.1	26.3	24.7	23.8	23.3	22.0	20.9	20.0	19.1	18.2	17.7	17.5	16.6	15.5	14.6	13.5	12.1
COP	3.54	3.42	3.29	3.14	3.03	2.96	2.81	2.65										
EER	12.1	11.7	11.2	10.7	10.4	10.1	9.6	9.0										
HI PR	316	303	291	279	272	267	256	246	236	225	216	211	207	199	192	184	177	171
LO PR	73	68	63	58	55	53	49	43	39	35	31	29	28	23	20	17	15	12

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (ΔT). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (ΔT). A slight decrease will occur in low and high side pressures and power.

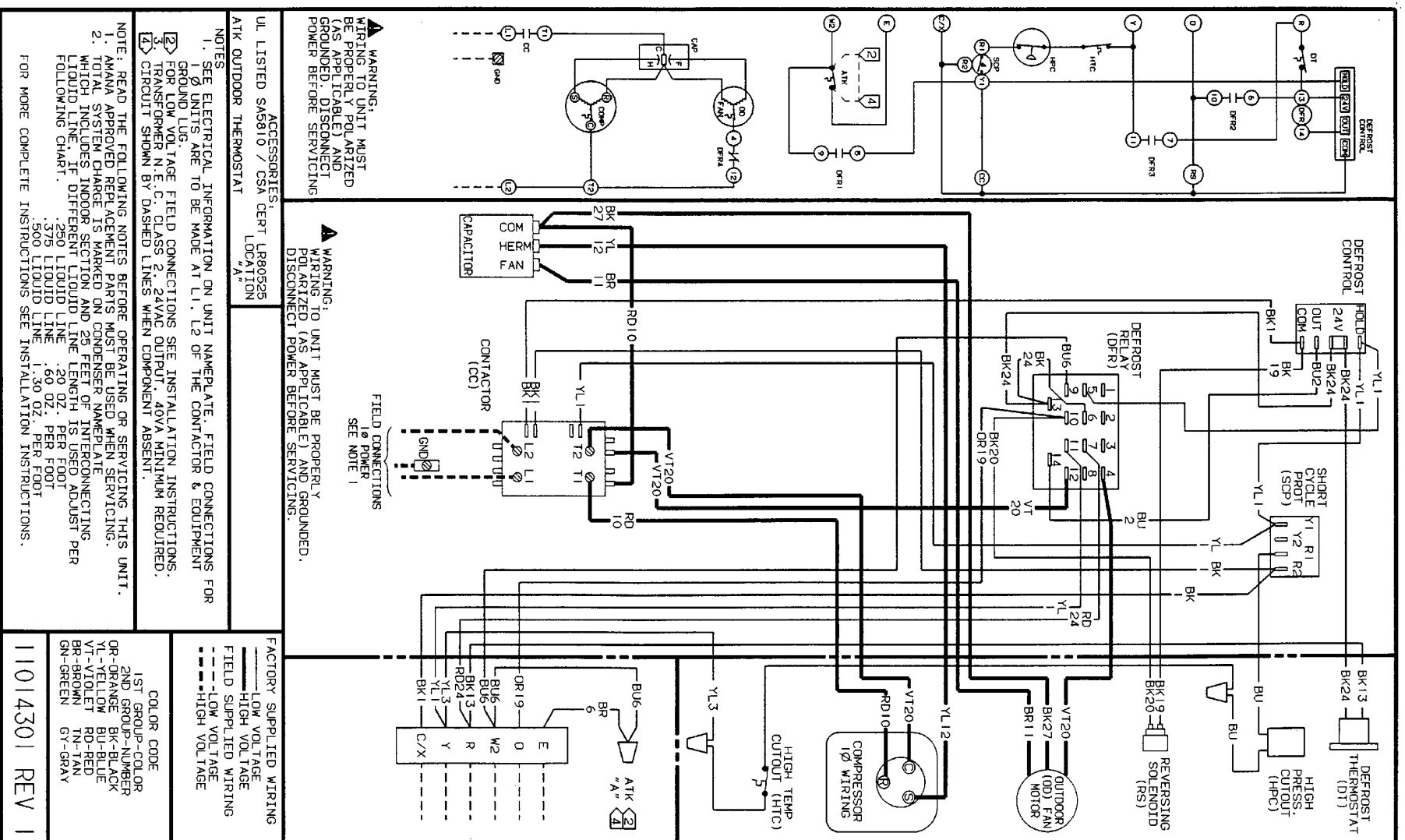
A properly operating unit should be within plus or minus **3 degrees** of the typical (ΔT) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **head pressure** shown.

A properly operating unit should be within plus or minus **3 PSIG** of the **suction pressure** shown.

A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

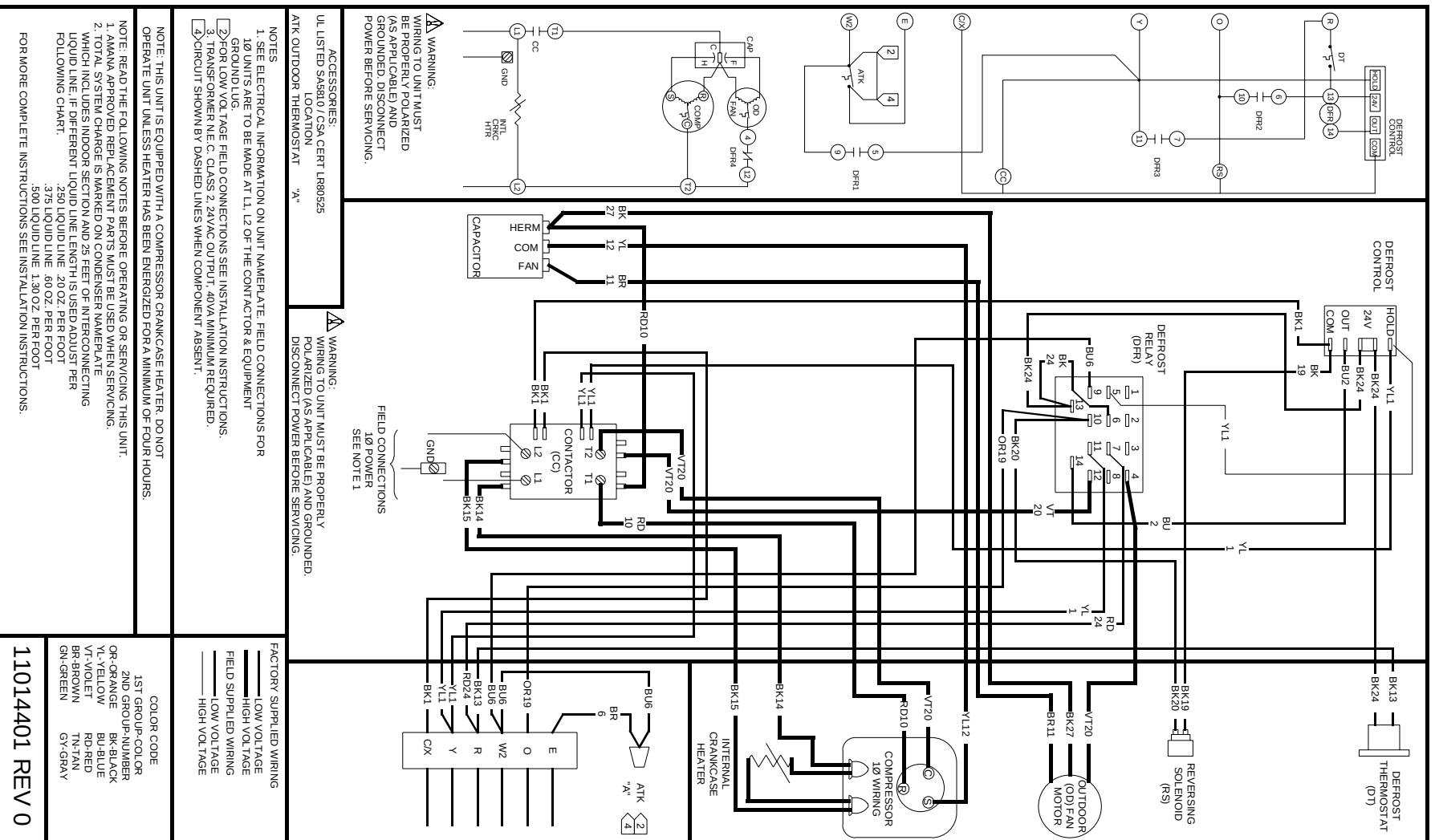
WIRING DIAGRAMS



WARNING

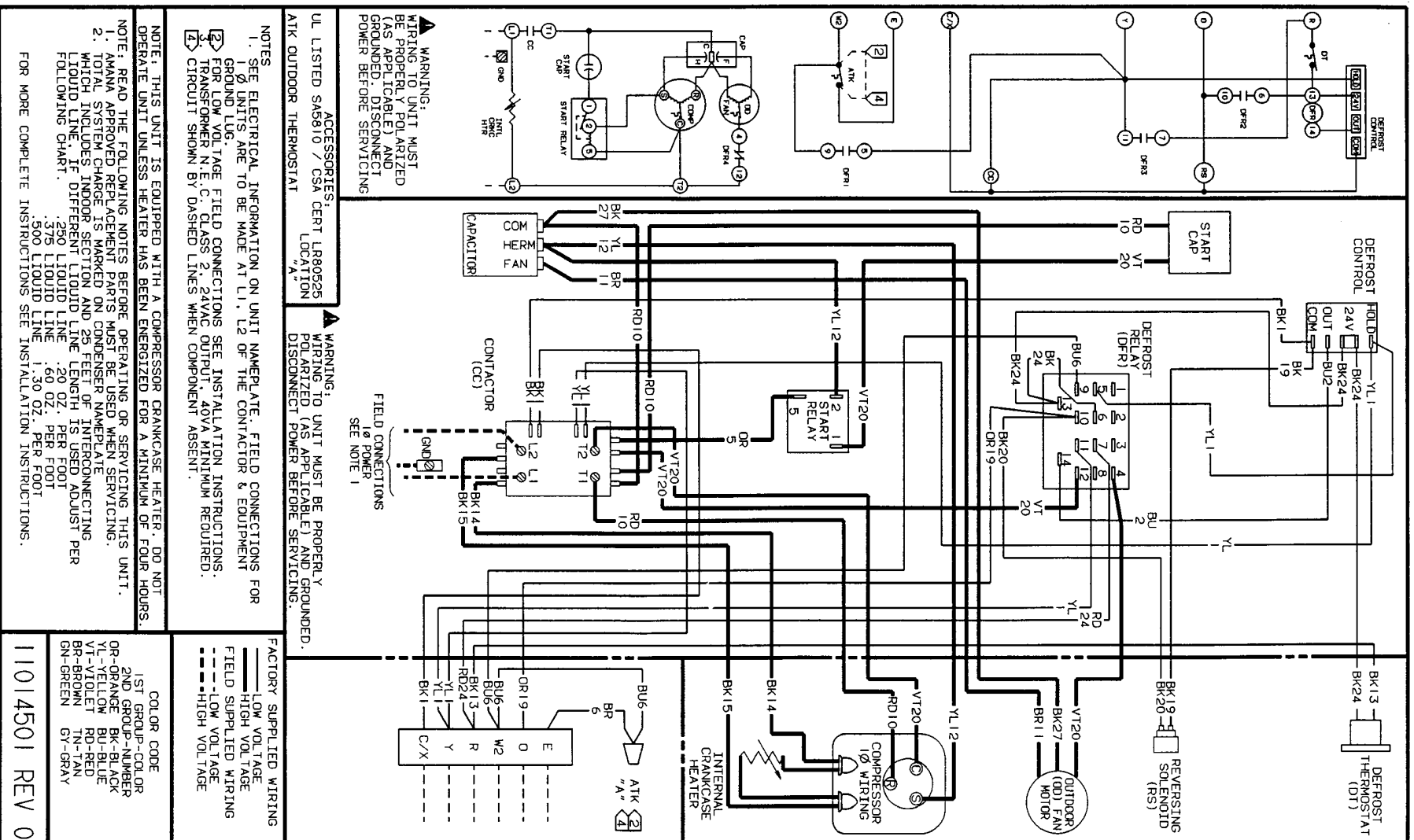
**TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY,
OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.**

WIRING DIAGRAMS



TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY, OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

WIRING DIAGRAMS



WARNING:
WIRING TO UNIT MUST BE PROPERLY POLARIZED (AS APPLICABLE) AND GROUNDED. DISCONNECT POWER BEFORE SERVICING.

ACCESSORIES:
UL LISTED SAB810 / CSA CERT LR80525
LOCATION
A

WARNING:
WIRING TO UNIT MUST BE PROPERLY POLARIZED (AS APPLICABLE) AND GROUNDED. DISCONNECT POWER BEFORE SERVICING.

NOTES
1. SEE ELECTRICAL INFORMATION ON UNIT NAMEPLATE. FIELD CONNECTIONS FOR 1 Ø UNITS ARE TO BE MADE AT L1, L2 OF THE CONTACTOR & EQUIPMENT GROUND LUG.

2. FOR LOW VOLTAGE FIELD CONNECTIONS SEE INSTALLATION INSTRUCTIONS. TRANSFORMER N.E.C. CLASS 2, 24VAC OUTPUT, 40VA MINIMUM REQUIRED. CIRCUIT SHOWN BY DASHED LINES WHEN COMPONENT ABSENT.

NOTE: THIS UNIT IS EQUIPPED WITH A COMPRESSOR CRANKCASE HEATER. DO NOT OPERATE UNIT UNLESS HEATER HAS BEEN ENERGIZED FOR A MINIMUM OF FOUR HOURS.

NOTE: READ THE FOLLOWING NOTES BEFORE OPERATING OR SERVICING THIS UNIT.
1. AMANA APPROVED REPLACEMENT PARTS MUST BE USED WHEN SERVICING.
2. TOTAL SYSTEM CHARGE IS MARKED ON CONDENSER NAMEPLATE WHICH INCLUDES INDOOR SECTION AND 25 FEET OF INTERCONNECTING LIQUID LINE. IF DIFFERENT LIQUID LINE LENGTH IS USED ADJUST PER FOLLOWING CHART.

.250 LIQUID LINE .20 OZ. PER FOOT
.375 LIQUID LINE .60 OZ. PER FOOT
.500 LIQUID LINE 1.30 OZ. PER FOOT

FOR MORE COMPLETE INSTRUCTIONS SEE INSTALLATION INSTRUCTIONS.

COLOR CODE
1ST GROUP-COLOR
2ND GROUP-COLOR
OR-ORANGE BK-BLACK
YL-YELLOW BU-BLUE
VT-VIOLET RD-RED
BR-BROWN TN-TAN
GN-GRAY

FACTORY SUPPLIED WIRING
—— LOW VOLTAGE
—— HIGH VOLTAGE
—— FIELD SUPPLIED WIRING
- - - - LOW VOLTAGE
- - - - HIGH VOLTAGE

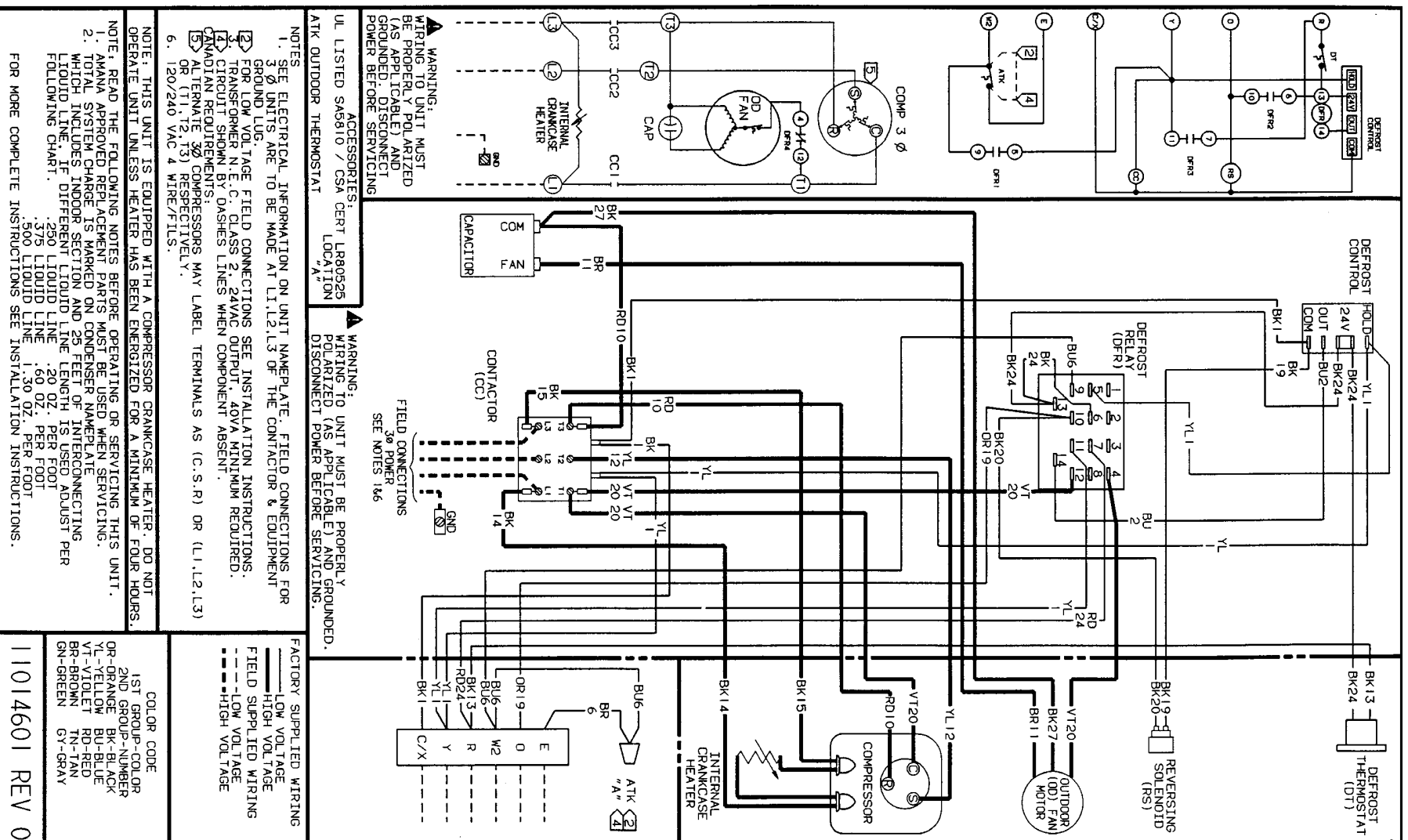
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WARNING

TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY, OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

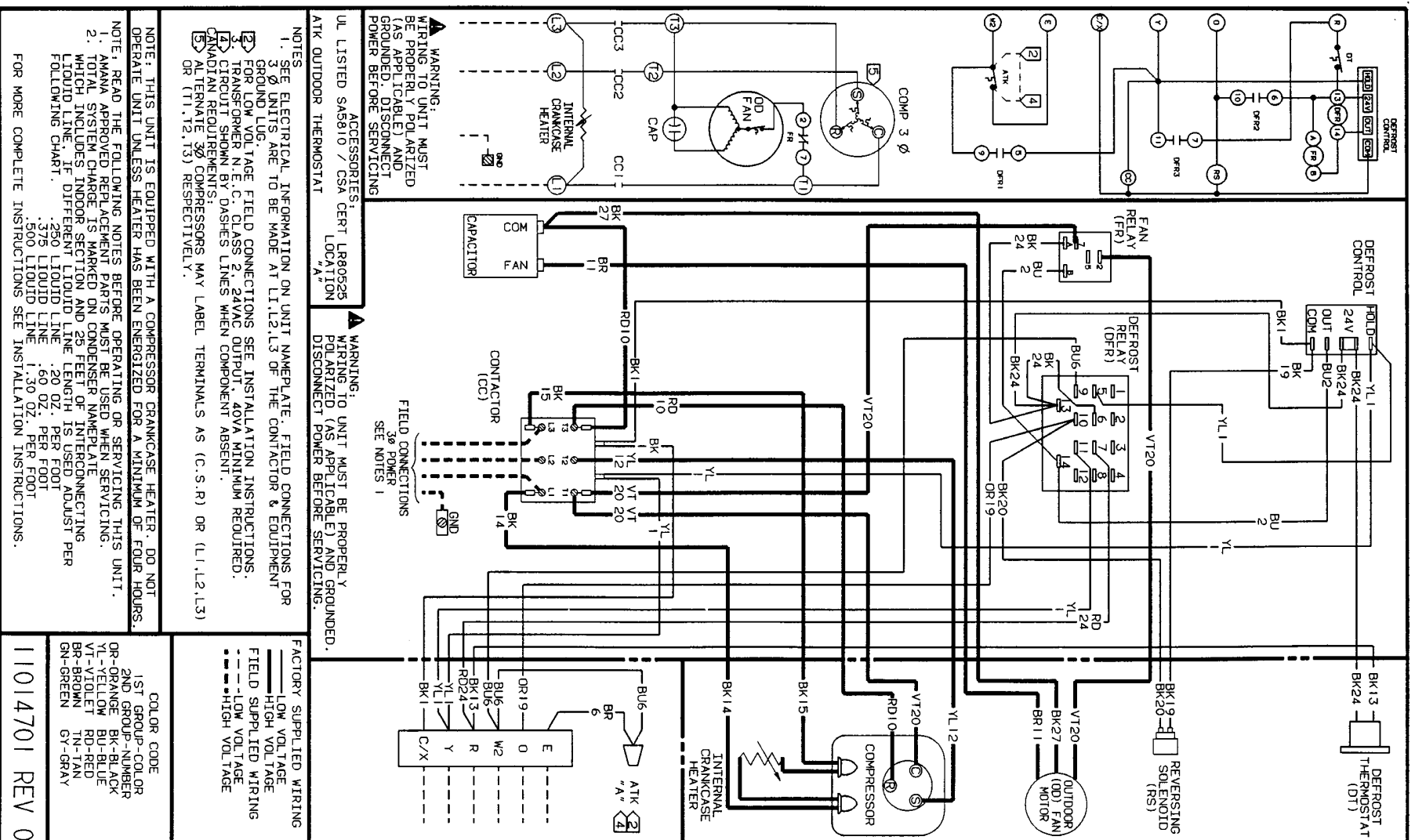
WIRING DIAGRAMS



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WIRING DIAGRAMS



WARNING

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