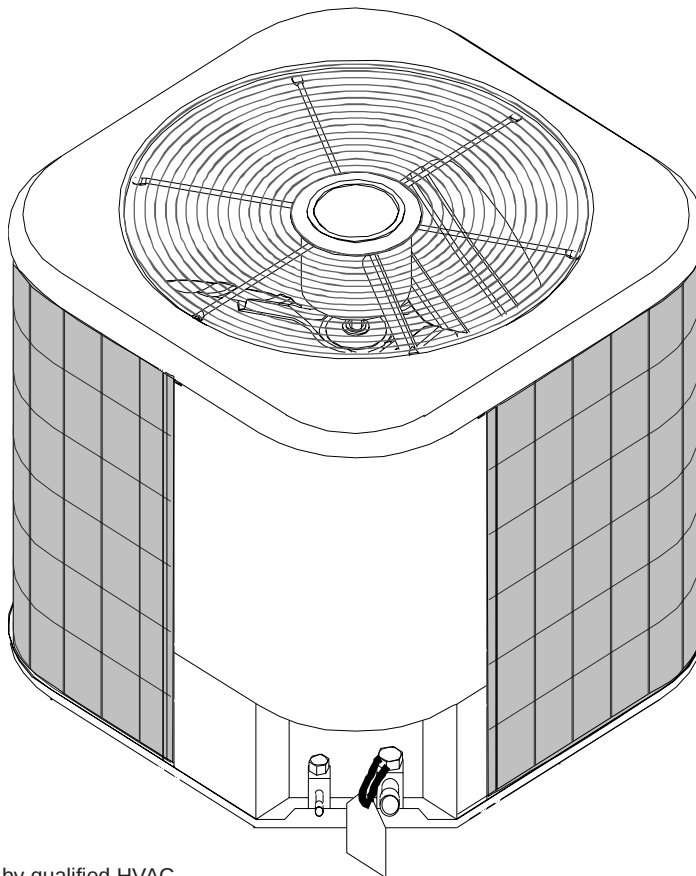


Technical Information

VCA_B_*

Remote Condensing Unit

- 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.



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
Comfort. Quality. Trust.

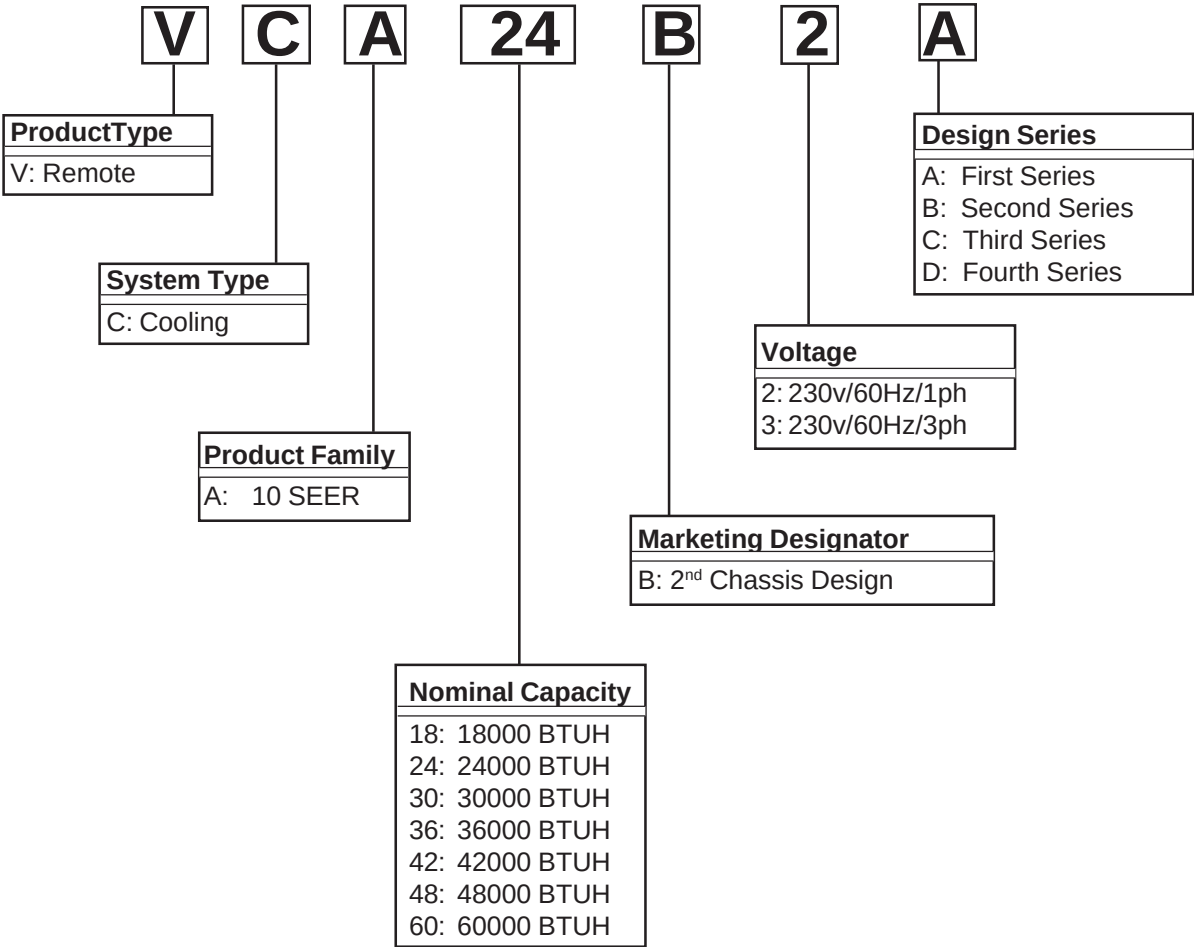
Model and Manufacturing numbers listed in this manual.

<u>MODEL</u>	<u>M/N</u>
VCA18B2A	P1221301C
VCA24B2A	P1221302C
VCA30B2A	P1221303C
VCA42B2A	P1221307C
VCA36B2A	P1221314C
VCA36B3A	P1221315C
VCA48B2A	P1221316C
VCA48B3A	P1221317C
VCA60B2A	P1221318C
VCA60B3A	P1221319C
VCA18B2D	P1221320C
VCA24B2D	P1221321C
VCA30B2D	P1221322C
VCA36B2D	P1221323C
VCA42B2D	P1221324C
VCA48B2D	P1221325C
VCA60B2D	P1221326C
VCA36B3D	P1221327C
VCA48B3D	P1221328C
VCA60B3D	P1221329C
VCA18B2A	P1224801C
VCA24B3A	P1224802C
VCA18B2E	P1221330C
VCA24B2E	P1221331C
VCA30B2E	P1221332C
VCA36B2E	P1221333C
VCA42B2E	P1221334C
VCA48B2E	P1221335C
VCA60B2E	P1221336C
VCA36B3E	P1221337C
VCA48B3E	P1221338C
VCA60B3E	P1221339C

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.



Rev 1. Added VCA__B_D Models



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 VCA Remote Condensing Units are made in 1.5 through 5 ton sizes. They are designed for dual voltage single phase applications. 208/230 three phase units are available in 3, 4, and 5 ton sizes.

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 15 feet of refrigerant line.

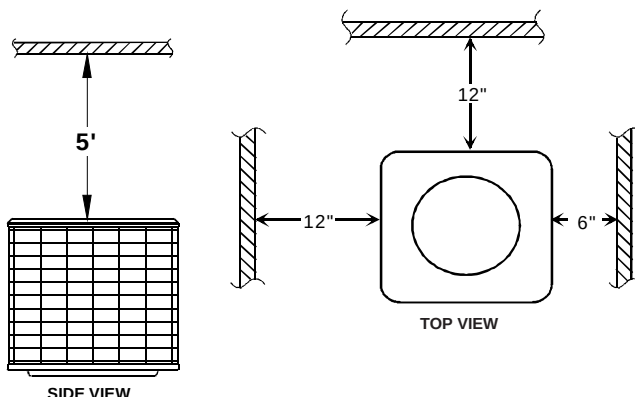
Refrigerant line sizes listed in the Specification section are for 50 feet or less. The maximum length of refrigerant lines is 50 feet with no more than 20 feet of vertical rise. In this case additional refrigerant must be added for the extra 35 feet of lines.

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 Units	Orifice Size AeroQuip	Orifice Size Chatleff
VCA18B2*	0.053	0.053
VCA24B2*	0.059	0.059
VCA30B2*	0.065	0.065
VCA36B2*	0.071	0.071
VCA42B2*	0.076	0.076
VCA48B2*	0.084	0.084
VCA60B2*	0.092	0.092

Note: 3 Phase units **must** be matched with a TXV indoor coil. Whenever mix-matching single phase 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 Units	Footprint Square	Unit Height
VCA18B2*	22 1/2" x 22 1/2"	23"
VCA24B2*	22 1/2" x 22 1/2"	23"
VCA30B2*	22 1/2" x 22 1/2"	29"
VCA36B2*	28 1/2" x 28 1/2"	25"
VCA36B3*	28 1/2" x 28 1/2"	25"
VCA42B2*	28 1/2" x 28 1/2"	25"
VCA48B2*	28 1/2" x 28 1/2"	33"
VCA48B3*	28 1/2" x 28 1/2"	33"
VCA60B2*	28 1/2" x 28 1/2"	33"
VCA60B3*	28 1/2" x 28 1/2"	33"

CONDENSING UNIT SPECIFICATIONS

MODEL	VCA18B2A/D	VCA24B2A/D	VCA30B2A/D	VCA36B2A/D	VCA36B3A/D
COOLING CAPACITY, BTUH	18000	24000	30000	36000	36000
COMPRESSOR					
R.L. AMPS	9.0	10.9	13.7	15.3	8.9
L.R. AMPS	48.3	60.0	69.4	84.0	63.4
CONDENSER FAN MOTOR					
HORSEPOWER	1/12	1/12	1/5	1/4	1/4
R.L. AMPS	0.6	0.6	1.6	1.7	1.7
L.R. AMPS	1.2	1.2	3.1	3.7	3.7
LIQUID LINE, INCHES O.D.	0.25	0.25	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	5/8	5/8	3/4	3/4	3/4
REFRIGERANT CHARGE	51.0 oz.	63.0 oz.	67.0 oz.	78.0 oz.	78.0 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-3
MIN.CIRCUIT AMPACITY	12.0	14.4	18.7	20.8	12.8
MAX. OVERCURRENT DEVICE	20	25	30	35	20
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"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	144	145	149	168	168

MODEL	VCA42B2A/D	VCA48B2A/D	VCA48B3A/D	VCA60B2A/D	VCA60B3A/D
COOLING CAPACITY, BTUH	42000	48000	48000	60000	60000
COMPRESSOR					
R.L. AMPS	18.1	23.1	12.8	27.7	18.6
L.R. AMPS	97.6	110.0	90.0	123.0	128.0
CONDENSER FAN MOTOR					
HORSEPOWER	1/4	1/4	1/4	1/4	1/4
R.L. AMPS	1.7	1.7	1.7	1.7	1.7
L.R. AMPS	3.7	3.7	3.7	3.7	3.7
LIQUID LINE, INCHES O.D.	3/8	3/8	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	7/8	7/8	7/8	1-1/8	1-1/8
REFRIGERANT CHARGE	83.0 oz.	108.0 oz.	108.0 oz.	119.0 oz.	123.0 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	208/230-60-3	208/230-60-1	208/230-60-3
MIN.CIRCUIT AMPACITY	24.3	30.6	17.7	36.3	25.0
MAX. OVERCURRENT DEVICE	40	50	30	60	40
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"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	187	200	200	205	205

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.

CONDENSING UNIT SPECIFICATIONS

MODEL	VCA18B2E	VCA24B2E	VCA30B2E	VCA36B2E	VCA36B3E
COOLING CAPACITY, BTUH	18000	24000	30000	36000	36000
COMPRESSOR					
R.L. AMPS	9.0	10.9	13.7	15.3	8.9
L.R. AMPS	48.3	60.0	69.4	84.0	63.4
CONDENSER FAN MOTOR					
HORSEPOWER	1/6	1/6	1/6	1/4	1/4
R.L. AMPS	1.0	1.0	1.0	1.5	1.5
L.R. AMPS	1.8	1.8	1.8	2.9	2.9
LIQUID LINE, INCHES O.D.	1/4	1/4	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	5/8	5/8	3/4	3/4	3/4
REFRIGERANT CHARGE	51.0 oz.	63.0 oz.	68.0 oz.	79.0 oz.	79.0 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-3
MIN.CIRCUIT AMPACITY	12.0	14.4	18.7	20.8	12.8
MAX. OVERCURRENT DEVICE	20	25	30	35	20
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"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	144	145	149	168	168

MODEL	VCA42B2E	VCA48B2E	VCA48B3E	VCA60B2E	VCA60B3E
COOLING CAPACITY, BTUH	42000	48000	48000	60000	60000
COMPRESSOR					
R.L. AMPS	18.1	23.1	12.8	27.7	18.6
L.R. AMPS	97.6	110.0	90.0	123.0	128.0
CONDENSER FAN MOTOR					
HORSEPOWER	1/4	1/4	1/4	1/4	1/4
R.L. AMPS	1.5	1.5	1.5	1.5	1.5
L.R. AMPS	2.9	2.9	2.9	2.9	2.9
LIQUID LINE, INCHES O.D.	3/8	3/8	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	7/8	7/8	7/8	1-1/8	1-1/8
REFRIGERANT CHARGE	84.0 oz.	109.0 oz.	109.0 oz.	120.0 oz.	124.0 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	208/230-60-3	208/230-60-1	208/230-60-3
MIN.CIRCUIT AMPACITY	24.3	30.6	17.7	36.3	25.0
MAX. OVERCURRENT DEVICE	40	50	30	60	40
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"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	187	200	200	205	205

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.

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA18B2*/CCA18F*C

COOLING OPERATION

		Outdoor Ambient Temperature																														
		65					75					85					95					105					115					
		Entering Indoor Wet Bulb Temperature																														
IDB*	Airflow	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71		
70	675	MBh	17.3	17.9	19.7	-	16.9	17.5	19.2	-	16.5	17.1	18.7	-	16.1	16.7	18.3	-	15.3	15.9	17.4	-	14.2	14.7	16.1	-	14.2	14.7	16.1	-	14.2	14.7
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14
		KW	1.25	1.28	1.32	-	1.36	1.39	1.44	-	1.45	1.49	1.54	-	1.53	1.57	1.63	-	1.60	1.64	1.70	-	1.67	1.71	1.77	-	1.67	1.71	1.77	-	1.67	1.71
		AMPS	5.2	5.3	5.5	-	5.6	5.7	5.9	-	6.1	6.2	6.4	-	6.5	6.6	6.8	-	6.9	7.0	7.3	-	7.3	7.5	7.7	-	7.3	7.5	7.7	-	7.3	7.5
	600	HI PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	239	-	236	254	268	-	261	281	297	-	261	281	297	-	261	281
		LO PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-	75	80	87	-	75	80
		MBh	16.8	17.4	19.1	-	16.4	17.0	18.6	-	16.0	16.6	18.2	-	15.6	16.2	17.8	-	14.9	15.4	16.9	-	13.8	14.3	15.6	-	13.8	14.3	15.6	-	13.8	14.3
		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	-	0.79	0.66	0.46	-	0.79	0.66
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14
75	675	KW	1.24	1.27	1.31	-	1.35	1.38	1.43	-	1.44	1.47	1.52	-	1.52	1.56	1.61	-	1.59	1.63	1.69	-	1.65	1.69	1.75	-	1.65	1.69	1.75	-	1.65	1.69
		AMPS	5.1	5.2	5.4	-	5.5	5.7	5.8	-	6.0	6.1	6.3	-	6.4	6.6	6.8	-	6.8	7.0	7.2	-	7.2	7.4	7.6	-	7.2	7.4	7.6	-	7.2	7.4
		HI PR	143	154	162	-	160	173	182	-	182	196	207	-	208	224	236	-	234	252	266	-	258	278	294	-	258	278	294	-	258	278
		LO PR	59	63	69	-	63	67	73	-	65	69	76	-	69	73	80	-	72	76	83	-	74	79	86	-	74	79	86	-	74	79
		MBh	15.5	16.1	17.6	-	15.2	15.7	17.2	-	14.8	15.3	16.8	-	14.4	15.0	16.4	-	13.7	14.2	15.6	-	12.7	13.2	14.4	-	12.7	13.2	14.4	-	12.7	13.2
	600	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	-	0.76	0.64	0.44	-	0.76	0.64
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15
		KW	1.21	1.24	1.28	-	1.31	1.34	1.39	-	1.40	1.43	1.48	-	1.48	1.51	1.57	-	1.55	1.58	1.64	-	1.61	1.64	1.70	-	1.61	1.64	1.70	-	1.61	1.64
		AMPS	5.0	5.1	5.3	-	5.4	5.5	5.7	-	5.8	6.0	6.2	-	6.2	6.4	6.6	-	6.6	6.8	7.0	-	7.0	7.2	7.4	-	7.0	7.2	7.4	-	7.0	7.2
		HI PR	139	149	158	-	156	167	177	-	177	190	201	-	202	217	229	-	227	244	258	-	251	270	285	-	251	270	285	-	251	270
525	LO PR	58	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	70	74	81	-	72	77	84	-	72	77	84	-	72	77	

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA18B2*/CCA18F*C

COOLING OPERATION

		Outdoor Ambient Temperature																																				
		65						75						85						95						105						115						
IDB*	Airflow	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195		
80	675	MBh	17.9	18.3	19.6	20.9	17.5	17.9	19.1	20.4	17.1	17.5	18.7	19.9	16.7	17.0	18.2	19.5	15.8	16.2	17.3	18.5	14.7	15.0	16.0	17.1	15.8	16.2	17.3	18.5	14.7	15.0	16.0	17.1	15.8	16.2	17.3	18.5
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	1.00	0.96	0.78	0.59
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	23	22	19	15	22	21	18	15	20	20	17	14	22	21	18	15	20	20	17	14	22	21	18	15
		KW	1.27	1.30	1.35	1.40	1.38	1.41	1.46	1.52	1.48	1.51	1.57	1.62	1.56	1.60	1.66	1.72	1.63	1.67	1.73	1.80	1.70	1.74	1.80	1.87	1.63	1.67	1.73	1.80	1.70	1.74	1.80	1.87	1.63	1.67	1.73	1.80
		AMPS	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.2	6.3	6.5	6.8	6.6	6.7	7.0	7.2	7.0	7.2	7.4	7.7	7.4	7.6	7.8	8.1	7.0	7.2	7.4	7.7	7.4	7.6	7.8	8.1	7.0	7.2	7.4	7.7
		HI PR	147	159	167	175	165	178	188	196	188	202	214	223	214	231	243	254	241	259	274	286	266	287	303	316	241	259	274	286	266	287	303	316	241	259	274	286
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95	74	79	86	92	77	81	89	95	74	79	86	92
600	600	MBh	17.4	17.8	19.0	20.3	17.0	17.4	18.6	19.8	16.6	17.0	18.1	19.4	16.2	16.5	17.7	18.9	15.4	15.7	16.8	17.9	14.2	14.6	15.5	16.6	15.4	15.7	16.8	17.9	14.2	14.6	15.5	16.6	15.4	15.7	16.8	17.9
		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	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	0.98	0.92	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	23	22	19	15	22	21	18	14	23	22	19	15
		KW	1.26	1.29	1.34	1.38	1.37	1.40	1.45	1.50	1.46	1.50	1.55	1.61	1.55	1.59	1.64	1.70	1.62	1.66	1.72	1.78	1.68	1.72	1.78	1.85	1.62	1.66	1.72	1.78	1.68	1.72	1.78	1.85	1.62	1.66	1.72	1.78
		AMPS	5.2	5.3	5.5	5.7	5.6	5.8	5.9	6.2	6.1	6.3	6.5	6.7	6.5	6.7	6.9	7.2	6.9	7.1	7.3	7.6	7.3	7.5	7.8	8.1	6.9	7.1	7.3	7.6	7.3	7.5	7.8	8.1	6.9	7.1	7.3	7.6
		HI PR	146	157	166	173	164	176	186	194	186	200	212	221	212	228	241	251	239	257	271	283	264	284	300	312	239	257	271	283	264	284	300	312	239	257	271	283
		LO PR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94	73	78	85	91	76	81	88	94	73	78	85	91
525	525	MBh	16.1	16.4	17.5	18.7	15.7	16.0	17.1	18.3	15.3	15.6	16.7	17.9	14.9	15.3	16.3	17.4	14.2	14.5	15.5	16.6	13.1	13.4	14.4	15.3	14.2	14.5	15.5	16.6	13.1	13.4	14.4	15.3	14.2	14.5	15.5	16.6
		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	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	0.94	0.89	0.72	0.54
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15	23	22	20	16	22	21	18	15	23	22	20	16
		KW	1.23	1.26	1.30	1.35	1.33	1.36	1.41	1.46	1.43	1.46	1.51	1.56	1.51	1.54	1.60	1.66	1.58	1.61	1.67	1.73	1.63	1.67	1.73	1.80	1.58	1.61	1.67	1.73	1.63	1.67	1.73	1.80	1.58	1.61	1.67	1.73
		AMPS	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.9	6.1	6.3	6.5	6.3	6.5	6.7	7.0	6.7	6.9	7.1	7.4	7.1	7.3	7.6	7.8	6.7	6.9	7.1	7.4	7.1	7.3	7.6	7.8	6.7	6.9	7.1	7.4
		HI PR	142	152	161	168	159	171	180	188	181	194	205	214	206	221	234	244	231	249	263	274	256	275	291	303	231	249	263	274	256	275	291	303	231	249	263	274
		LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	85	91	71	76	83	88	74	78	85	91	71	76	83	88

675	MBh	18.2	18.6	19.5	20.8	17.8	18.2	19.0	20.3	17.4	17.7	18.6	19.8	17.0	17.3	18.1	19.3	16.1	16.4	17.2	18.4	14.9	15.2	15.9	17.0
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	Delta T	23	23	22	19	24	23	22	19	24	23	22	19	23	24	22	19	22	22	22	19	20	21	21	18
	KW	1.28	1.31	1.36	1.41	1.39	1.43	1.48	1.53	1.49	1.53	1.58	1.64	1.58	1.61	1.67	1.73	1.65	1.69	1.75	1.81	1.71	1.75	1.82	1.88
	AMPS	5.3	5.4	5.6	5.8	5.7	5.9	6.1	6.3	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.3	7.1	7.2	7.5	7.8	7.5	7.7	7.9	8.2
	HI PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	277	288	269	289	306	319
	LO PR	62	66	72	76	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96
600	MBh	17.7	18.0	18.9	20.2	17.3	17.6	18.5	19.7	16.9	17.2	18.0	19.2	16.5	16.8	17.6	18.8	15.6	15.9	16.7	17.8	14.5	14.8	15.5	16.5
	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	1.27	1.30	1.35	1.40	1.38	1.41	1.46	1.52	1.48	1.51	1.57	1.62	1.56	1.60	1.66	1.72	1.63	1.67	1.73	1.80	1.70	1.74	1.80	1.87
	AMPS	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.2	6.3	6.5	6.8	6.6	6.7	7.0	7.2	7.0	7.2	7.4	7.7	7.4	7.6	7.8	8.1
	HI PR	147	159	167	175	165	178	188	196	188	202	214	223	214	231	243	254	241	259	274	286	266	287	303	316
	LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95
525	MBh	16.3	16.7	17.4	18.6	16.0	16.3	17.0	18.2	15.6	15.9	16.6	17.7	15.2	15.5	16.2	17.3	14.4	14.7	15.4	16.4	13.4	13.6	14.3	15.2
	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	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	1.24	1.27	1.31	1.36	1.34	1.38	1.43	1.48	1.44	1.47	1.52	1.58	1.52	1.56	1.61	1.67	1.59	1.63	1.69	1.75	1.65	1.69	1.75	1.81
	AMPS	5.1	5.2	5.4	5.6	5.5	5.7	5.8	6.1	6.0	6.1	6.3	6.6	6.4	6.6	6.8	7.0	6.8	7.0	7.2	7.5	7.2	7.4	7.6	7.9
	HI PR	143	154	162	169	160	173	182	190	182	196	207	216	208	224	236	246	234	252	266	277	258	278	293	306
	LO PR	59	63	69	73	63	67	73	78	65	69	76	81	68	73	80	85	72	76	83	89	74	79	86	92

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA18B2* / CCA18F*C

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
CCA18F*C HSVTC	1.00	1.00	CCF24FCC+BBA24+TXV01A	1.03	0.96			
CCA18F*C+TXV01A	1.00	1.00	CHF24TCC+BBA24	1.05	0.97			
CHA18T*C	1.03	1.00	BMA24F--A	1.06	0.97			
CCA24F*C+TXV01A	1.03	1.00	BMA24F--A+TXV04A	1.06	0.97			
CCH24FCD	1.02	1.00						
CCH24FCD+TXV01A	1.02	1.00						
CHH24TCD	1.02	1.00						
CCF24FCC	1.03	1.00						
CCF24FCC+TXV01A	1.03	1.00						
CHF18TCC	1.03	1.00						
CCA18FCC+BBA24	1.01	0.96						
CCA18FCC+BBA24+TXV01A	1.01	0.96						
CHA18TCC+BBA24	1.03	0.96						
CCA24FCC+BBA24	1.03	0.96						
CCA24FCC+BBA24+TXV01A	1.03	0.96						
CCH24FCD+BBA24	1.03	0.96						
CCH24FCD+BBA24+TXV01A	1.03	0.96						
CHH24TCD+BBA24	1.03	0.96						
CHF18TCC+BBA24	1.03	0.96						
CCF24FCC+BBA24	1.03	0.96						

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA24B2*/CCA24F*C

COOLING OPERATION

		Outdoor Ambient Temperature																									
		65				75				85				95				105				115					
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		
70	900	MBh	23.5	24.4	26.7	-	23.0	23.8	26.1	-	22.4	23.2	25.5	-	21.9	22.7	24.8	-	20.8	21.5	23.6	-	19.3	20.0	21.9	-	
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	
		KW	2.04	2.08	2.15	-	2.19	2.24	2.31	-	2.33	2.38	2.45	-	2.45	2.50	2.58	-	2.55	2.61	2.69	-	2.64	2.70	2.79	-	
		AMPS	7.2	7.4	7.6	-	7.8	8.0	8.2	-	8.5	8.7	9.0	-	9.1	9.3	9.6	-	9.7	9.9	10.2	-	10.2	10.5	10.9	-	
		HI PR	161	173	183	-	180	194	205	-	205	221	233	-	233	251	265	-	263	283	298	-	290	312	330	-	
		LO PR	61	65	71	-	64	69	75	-	67	71	78	-	70	75	82	-	74	78	86	-	76	81	89	-	
70	800	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-	
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
		KW	2.02	2.06	2.13	-	2.17	2.22	2.29	-	2.31	2.36	2.43	-	2.43	2.48	2.56	-	2.53	2.59	2.67	-	2.62	2.67	2.76	-	
		AMPS	7.1	7.3	7.5	-	7.7	7.9	8.2	-	8.4	8.6	8.9	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.4	10.8	-	
		HI PR	159	171	181	-	178	192	203	-	203	218	231	-	231	249	263	-	260	280	295	-	287	309	326	-	
		LO PR	60	64	70	-	64	68	74	-	66	71	77	-	70	74	81	-	73	78	85	-	75	80	88	-	
700	800	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-	
		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	0.62	0.43	-	0.75	0.63	0.44	-	
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
		KW	1.98	2.02	2.08	-	2.12	2.17	2.24	-	2.25	2.30	2.38	-	2.37	2.42	2.50	-	2.47	2.52	2.60	-	2.55	2.61	2.69	-	
		AMPS	6.9	7.1	7.3	-	7.5	7.7	7.9	-	8.2	8.4	8.6	-	8.7	8.9	9.3	-	9.3	9.5	9.9	-	9.9	10.1	10.5	-	
		HI PR	154	166	175	-	173	186	197	-	197	212	224	-	224	241	255	-	252	271	287	-	279	300	317	-	
		LO PR	59	62	68	-	62	66	72	-	64	68	75	-	68	72	78	-	71	75	82	-	73	78	85	-	
75	900	MBh	23.9	24.6	26.7	28.6	23.4	24.1	26.0	27.9	22.8	23.5	25.4	27.3	22.2	22.9	24.8	26.6	21.1	21.8	23.6	25.3	19.6	20.2	21.8	23.4	
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.93	0.83	0.63	0.41	
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	11	20	18	15	10	19	17	14	10	
		KW	2.05	2.10	2.16	2.23	2.21	2.26	2.33	2.40	2.35	2.40	2.48	2.56	2.47	2.52	2.60	2.69	2.57	2.63	2.71	2.81	2.66	2.72	2.81	2.90	
		AMPS	7.3	7.4	7.7	8.0	7.9	8.1	8.3	8.6	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.3	10.6	11.0	11.4	
		HI PR	162	175	184	192	182	196	207	216	207	223	235	245	236	254	268	279	265	285	301	314	293	315	333	347	
		LO PR	62	66	72	76	65	69	76	80	68	72	79	84	71	76	82	88	74	79	86	92	77	82	89	95	
800	900	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	22.2	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7	
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39	
		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	2.04	2.08	2.15	2.21	2.19	2.24	2.31	2.38	2.33	2.38	2.46	2.54	2.45	2.45	2.50	2.58	2.67	2.55	2.61	2.69	2.78	2.64	2.70	2.79	2.88
		AMPS	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	10.0	9.7	9.9	10.2	10.6	10.2	10.5	10.9	11.3	
		HI PR	161	173	183	190	180	194	205	214	205	221	233	243	233	251	265	277	263	283	298	311	290	312	330	344	
		LO PR	61	65	71	75	64	69	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	89	94	
700	800	MBh	21.4	22.1	23.9	25.6	20.9	21.6	23.3	25.0	20.4	21.0	22.8	24.4	19.9	20.5	22.2	23.8	18.9	19.5	21.1	22.7	17.5	18.1	19.6	21.0	
		S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	0.37	
		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	1.99	2.03	2.09	2.16	2.14	2.19	2.25	2.33	2.27	2.32	2.39	2.47	2.39	2.44	2.52	2.60	2.49	2.54	2.63	2.71	2.57	2.63	2.72	2.81	
		AMPS	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.1	8.8	9.0	9.3	9.7	9.4	9.6	10.0	10.3	10.0	10.2	10.6	11.0	
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	226	244	257	268	255	274	290	302	282	303	320	334	
		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	

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA24B2*/CCA24F*C

COOLING OPERATION

		Outdoor Ambient Temperature																																					
		65						75						85						95						105						115							
IDB*	Airflow	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	
	900	MBh	24.3	24.9	26.6	28.4	30.2	32.0	33.8	35.6	37.4	39.2	41.0	42.8	44.6	46.4	48.2	50.0	51.8	53.6	55.4	57.2	59.0	60.8	62.6	64.4	66.2	68.0	69.8	71.6	73.4	75.2	77.0	78.8	80.6	82.4	84.2	86.0	
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	1.00	0.95	0.77	0.58	1.00
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	23	22	19	15	22	21	19	15	22	21	19	15	20	20	17	14	20	20	17	14	20	20	17	14	20
		KW	2.07	2.11	2.18	2.25	2.23	2.28	2.35	2.42	2.37	2.42	2.50	2.58	2.49	2.54	2.63	2.71	2.59	2.65	2.74	2.83	2.68	2.74	2.83	2.93	2.68	2.74	2.83	2.93	2.68	2.74	2.83	2.93	2.68	2.74	2.83	2.93	2.68
		AMPS	7.3	7.5	7.8	8.1	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.5	9.2	9.5	9.8	10.2	9.8	10.1	10.4	10.8	10.4	10.7	11.1	11.5	10.4	10.7	11.1	11.5	10.4	10.7	11.1	11.5	10.4	10.7	11.1	11.5	10.4
		HI PR	164	176	186	194	184	198	209	218	209	225	238	248	238	256	271	282	268	288	305	318	296	319	336	351	296	319	336	351	296	319	336	351	296	319	336	351	296
		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	78	83	90	96	78	83	90	96	78	83	90	96	78
80	800	MBh	23.6	24.1	25.8	27.6	29.4	31.2	33.0	34.8	36.6	38.4	40.2	42.0	43.8	45.6	47.4	49.2	51.0	52.8	54.6	56.4	58.2	60.0	61.8	63.6	65.4	67.2	69.0	70.8	72.6	74.4	76.2	78.0	79.8	81.6	83.4	85.2	
		S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55	0.97
		Delta T	23	22	19	15	23	22	19	16	23	22	19	16	23	23	20	16	23	22	19	15	22	21	18	14	22	21	18	14	22	21	18	14	22	21	18	14	22
		KW	2.05	2.10	2.16	2.23	2.21	2.26	2.33	2.40	2.35	2.40	2.48	2.56	2.47	2.52	2.61	2.69	2.57	2.63	2.72	2.81	2.66	2.72	2.81	2.90	2.66	2.72	2.81	2.90	2.66	2.72	2.81	2.90	2.66	2.72	2.81	2.90	2.66
		AMPS	7.3	7.4	7.7	8.0	7.9	8.1	8.3	8.6	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.3	10.6	11.0	11.4	10.3	10.6	11.0	11.4	10.3	10.6	11.0	11.4	10.3	10.6	11.0	11.4	10.3
		HI PR	162	175	184	192	182	196	207	216	207	223	235	245	236	254	268	280	265	286	302	314	293	315	333	347	293	315	333	347	293	315	333	347	293	315	333	347	293
		LO PR	62	66	72	76	65	69	76	80	68	72	79	84	71	76	83	88	74	79	86	92	77	82	89	95	77	82	89	95	77	82	89	95	77	82	89	95	77
	700	MBh	21.8	22.3	23.8	25.5	27.3	29.1	30.9	32.7	34.5	36.3	38.1	39.9	41.7	43.5	45.3	47.1	48.9	50.7	52.5	54.3	56.1	57.9	59.7	61.5	63.3	65.1	66.9	68.7	70.5	72.3	74.1	75.9	77.7	79.5	81.3	83.1	
		S/T	0.82	0.77	0.62	0.47	0.85	0.79	0.65	0.48	0.87	0.81	0.66	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54	0.94
		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	22	21	18	15	22	21	18	15	22	21	18	15	22
		KW	2.01	2.05	2.11	2.18	2.16	2.20	2.27	2.35	2.29	2.34	2.41	2.49	2.41	2.46	2.54	2.62	2.51	2.56	2.65	2.74	2.59	2.65	2.74	2.83	2.59	2.65	2.74	2.83	2.59	2.65	2.74	2.83	2.59	2.65	2.74	2.83	2.59
		AMPS	7.1	7.2	7.5	7.8	7.6	7.8	8.1	8.4	8.3	8.5	8.8	9.1	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.1	10.3	10.7	11.1	10.1	10.3	10.7	11.1	10.1	10.3	10.7	11.1	10.1	10.3	10.7	11.1	10.1
		HI PR	157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	257	277	292	305	284	306	323	337	284	306	323	337	284	306	323	337	284	306	323	337	284
		LO PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	75	79	87	92	75	79	87	92	75	79	87	92	75

900	MBh	24.8	25.2	26.4	28.2	24.2	24.7	25.8	27.6	23.6	24.1	25.2	26.9	23.0	23.5	24.6	26.2	21.9	22.3	23.4	24.9	20.3	20.7	21.6	23.1
	S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76
	Delta T	24	23	22	19	24	23	22	19	24	24	22	19	24	24	22	19	22	23	22	19	21	21	21	18
	KW	2.09	2.13	2.20	2.27	2.25	2.29	2.37	2.44	2.39	2.44	2.52	2.60	2.51	2.56	2.65	2.74	2.61	2.67	2.76	2.85	2.71	2.77	2.86	2.95
	AMPS	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.6	9.3	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.2	11.6
	HI PR	166	178	188	196	186	200	211	220	211	227	240	250	241	259	273	285	271	291	308	321	299	322	340	354
	LO PR	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	79	84	91	97
	800	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0
S/T		0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72
Delta T		25	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	24	24	23	20	23	23	21	19
KW		2.07	2.11	2.18	2.25	2.23	2.28	2.35	2.42	2.37	2.42	2.50	2.58	2.49	2.54	2.63	2.71	2.59	2.65	2.74	2.83	2.68	2.74	2.83	2.93
AMPS		7.3	7.5	7.8	8.1	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.5	9.2	9.5	9.8	10.2	9.8	10.1	10.4	10.8	10.4	10.7	11.1	11.5
HI PR		164	176	186	194	184	198	209	218	209	225	238	248	238	256	271	282	268	288	305	318	296	319	336	351
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
700		MBh	22.2	22.6	23.7	25.3	21.7	22.1	23.1	24.7	21.2	21.6	22.6	24.1	20.6	21.0	22.0	23.5	19.6	20.0	20.9	22.3	18.2	18.5	19.4
	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	0.98	0.95	0.86	0.70
	Delta T	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	25	25	23	20	23	23	22	19
	KW	2.02	2.06	2.13	2.20	2.17	2.22	2.29	2.36	2.31	2.36	2.43	2.51	2.43	2.48	2.56	2.65	2.53	2.58	2.67	2.76	2.62	2.67	2.76	2.85
	AMPS	7.1	7.3	7.5	7.8	7.7	7.9	8.2	8.5	8.4	8.6	8.9	9.2	9.0	9.2	9.5	9.9	9.6	9.8	10.1	10.5	10.1	10.4	10.8	11.2
	HI PR	159	171	181	188	178	192	203	211	203	218	231	240	231	249	263	274	260	280	295	308	287	309	326	340
	LO PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA24B2* / CCA24F*C

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
CHA18T*C	1.00	1.00	CCA24FCC+BBA24+TXV01A	1.01	0.97			
CCA24F*C HSVTC	1.00	1.00	CHA24TCC+BBA24	1.01	0.96			
CCA24F*C+TXV01A	1.00	1.00	CCA30FCC+BBA24	1.01	0.96			
CCH24FCD	0.98	0.98	CCA30FCC+BBA24+TXV01A	1.01	0.96			
CCH24FCD+TXV01A	0.98	0.98	CHA30TCC+BBA24	1.04	0.97			
CCH30FCD	1.03	1.00	CHF18TCC+BBA24	1.00	0.96			
CCH30FCD+TXV01A	1.03	1.00	CCF24FCC+BBA24	1.00	0.96			
CHF18TCC	0.99	0.99	CCF24FCC+BBA24+TXV01A	1.00	0.96			
CCF24FCC	0.99	0.99	CHF24TCC+BBA24	1.03	0.97			
CCF24FCC+TXV01A	0.99	0.99	CCF30FCC+BBA24	1.03	0.97			
CCF24FDC	1.01	0.99	CCF30FCC+BBA24+TXV01A	1.03	0.97			
CCF24FDC+TXV01A	1.01	0.99	CHF30TCC+BBA24	1.01	0.96			
CHF24TCC	1.02	1.00	BMA24F--A	1.03	0.96			
CCF30FCC	1.02	1.00	BMA24F--A+TXV04A	1.03	0.96			
CCF30FCC+TXV01A	1.02	1.00						
CHF30TCC	1.00	0.99						
CCA18FCC+BBA24	0.97	0.95						
CCA18FCC+BBA24+TXV01A	0.97	0.95						
CHA18TCC+BBA24	1.01	0.97						
CCA24FCC+BBA24	1.01	0.97						

12 Rev. 1

MODEL: VCA30B2*/CCA30F*C

COOLING OPERATION

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

85	1125	MBh	31.2	31.8	33.3	35.6	30.5	31.1	32.6	34.7	29.8	30.3	31.8	33.9	29.0	29.6	31.0	33.1	27.6	28.1	29.5	31.4	25.6	26.0	27.3	29.1
		S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	23	22	19	21	21	21	18
		KW	2.23	2.29	2.36	2.45	2.42	2.48	2.57	2.66	2.59	2.65	2.74	2.84	2.74	2.80	2.90	3.01	2.86	2.93	3.04	3.15	2.97	3.04	3.15	3.27
		AMPS	9.3	9.6	9.9	10.2	10.1	10.3	10.6	11.0	10.9	11.2	11.5	12.0	11.7	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.4	13.9	14.4
		HI PR	159	171	180	188	178	192	202	211	203	218	230	240	231	248	262	273	260	279	295	308	287	309	326	340
	LO PR	61	65	71	75	64	68	75	79	67	71	77	83	70	75	81	87	73	78	85	91	76	81	88	94	
	1000	MBh	30.3	30.9	32.4	34.5	29.6	30.2	31.6	33.7	28.9	29.5	30.9	32.9	28.2	28.7	30.1	32.1	26.8	27.3	28.6	30.5	24.8	25.3	26.5	28.3
		S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72
		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	2.21	2.27	2.34	2.43	2.40	2.46	2.54	2.63	2.57	2.63	2.72	2.82	2.71	2.78	2.88	2.98	2.84	2.90	3.01	3.12	2.94	3.01	3.12	3.24
		AMPS	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.1	11.4	11.9	11.5	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.3	13.7	14.3
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	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93		
875	MBh	28.0	28.5	29.9	31.9	27.3	27.9	29.2	31.1	26.7	27.2	28.5	30.4	26.0	26.5	27.8	29.6	24.7	25.2	26.4	28.2	22.9	23.3	24.4	26.1	
	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	0.98	0.95	0.86	0.70	
	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	2.16	2.21	2.28	2.36	2.34	2.39	2.48	2.56	2.50	2.56	2.65	2.74	2.64	2.70	2.80	2.90	2.76	2.83	2.93	3.03	2.86	2.93	3.04	3.15	
	AMPS	9.0	9.2	9.5	9.9	9.7	9.9	10.3	10.6	10.5	10.8	11.1	11.5	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1	12.6	12.9	13.4	13.9	
	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	58	62	68	72	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90		

NOTE: Shaded area is ARI Rating Conditions

14 Rev. 1

MODEL: VCA30B2* / CCA30F*A

[illegible]

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA36B2*/CCA36F*C

COOLING OPERATION

IDB* Airflow			Outdoor Ambient Temperature																													
			65					75					85					95					105					115				
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
1350	MBh	35.0	36.2	39.7	-	34.1	35.4	38.8	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	30.9	32.0	35.1	-	28.6	29.7	32.5	-	28.6	29.7	32.5	-			
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-			
	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-	16	14	11	-			
	KW	2.46	2.52	2.61	-	2.67	2.73	2.83	-	2.86	2.92	3.03	-	3.02	3.09	3.20	-	3.16	3.23	3.35	-	3.28	3.35	3.47	-	3.28	3.35	3.47	-			
	AMPS	10.5	10.7	11.0	-	11.3	11.5	11.9	-	12.2	12.5	12.9	-	13.0	13.3	13.8	-	13.8	14.2	14.6	-	14.6	15.0	15.5	-	14.6	15.0	15.5	-			
	HI PR	147	159	168	-	165	178	188	-	188	202	214	-	214	231	243	-	241	259	274	-	266	287	303	-	266	287	303	-			
	LO PR	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	80	87	-	75	80	87	-			
1200	MBh	33.9	35.2	38.5	-	33.1	34.4	37.6	-	32.4	33.5	36.7	-	31.6	32.7	35.8	-	30.0	31.1	34.1	-	27.8	28.8	31.5	-	27.8	28.8	31.5	-			
	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	-	0.79	0.66	0.46	-			
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-			
	KW	2.44	2.50	2.59	-	2.65	2.71	2.81	-	2.83	2.90	3.00	-	2.99	3.06	3.17	-	3.13	3.20	3.32	-	3.25	3.32	3.44	-	3.25	3.32	3.44	-			
	AMPS	10.4	10.6	10.9	-	11.2	11.4	11.8	-	12.1	12.4	12.8	-	12.9	13.2	13.7	-	13.7	14.0	14.5	-	14.5	14.9	15.4	-	14.5	14.9	15.4	-			
	HI PR	146	157	166	-	164	176	186	-	186	200	212	-	212	228	241	-	239	257	271	-	264	284	300	-	264	284	300	-			
	LO PR	59	63	69	-	63	67	73	-	65	69	76	-	68	73	79	-	72	76	83	-	74	79	86	-	74	79	86	-			
1050	MBh	31.3	32.5	35.6	-	30.6	31.7	34.7	-	29.9	31.0	33.9	-	29.1	30.2	33.1	-	27.7	28.7	31.4	-	25.6	26.6	29.1	-	25.6	26.6	29.1	-			
	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	-	0.76	0.64	0.44	-			
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-			
	KW	2.38	2.43	2.52	-	2.58	2.64	2.73	-	2.76	2.82	2.92	-	2.91	2.98	3.09	-	3.04	3.12	3.23	-	3.16	3.23	3.35	-	3.16	3.23	3.35	-			
	AMPS	10.1	10.3	10.7	-	10.9	11.1	11.5	-	11.8	12.1	12.5	-	12.6	12.9	13.3	-	13.4	13.7	14.1	-	14.1	14.5	14.9	-	14.1	14.5	14.9	-			
	HI PR	142	152	161	-	159	171	181	-	181	194	205	-	206	221	234	-	232	249	263	-	256	275	291	-	256	275	291	-			
	LO PR	57	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	69	74	81	-	72	76	83	-	72	76	83	-			
1350	MBh	35.5	36.6	39.6	42.5	34.7	35.7	38.7	41.5	33.9	34.9	37.8	40.5	33.1	34.0	36.9	39.6	31.4	32.3	35.0	37.6	29.1	30.0	32.4	34.8	29.1	30.0	32.4	34.8			
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41			
	Delta T	20	18	15	10	20	19	15	10	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10	19	17	14	10			
	KW	2.49	2.54	2.63	2.72	2.70	2.76	2.86	2.96	2.88	2.95	3.05	3.16	3.05	3.12	3.23	3.35	3.19	3.26	3.38	3.50	3.31	3.39	3.51	3.63	3.31	3.39	3.51	3.63			
	AMPS	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.3	12.6	13.0	13.5	13.1	13.5	13.9	14.4	14.0	14.3	14.8	15.3	14.8	15.1	15.6	16.2	14.8	15.1	15.6	16.2			
	HI PR	149	160	169	177	167	180	190	198	190	205	216	225	216	233	246	257	244	262	277	289	269	290	306	319	269	290	306	319			
	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	76	80	88	94			
1200	MBh	34.5	35.5	38.5	41.3	33.7	34.7	37.6	40.3	32.9	33.9	36.7	39.4	32.1	33.1	35.8	38.4	30.5	31.4	34.0	36.5	28.3	29.1	31.5	33.8	28.3	29.1	31.5	33.8			
	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	0.90	0.81	0.61	0.39			
	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	19	18	15	10			
	KW	2.46	2.52	2.61	2.70	2.67	2.74	2.83	2.93	2.86	2.92	3.03	3.14	3.02	3.09	3.20	3.32	3.16	3.23	3.35	3.47	3.28	3.36	3.48	3.60	3.28	3.36	3.48	3.60			
	AMPS	10.5	10.7	11.0	11.4	11.3	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.0	13.3	13.8	14.3	13.8	14.2	14.6	15.2	14.6	15.0	15.5	16.1	14.6	15.0	15.5	16.1			
	HI PR	147	159	168	175	165	178	188	196	188	202	214	223	214	231	244	254	241	259	274	286	266	287	303	316	266	287	303	316			
	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	75	80	87	93			
1050	MBh	31.9	32.8	35.5	38.1	31.1	32.0	34.7	37.2	30.4	31.3	33.8	36.3	29.6	30.5	33.0	35.4	28.1	29.0	31.4	33.7	26.1	26.8	29.1	31.2	26.1	26.8	29.1	31.2			
	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	0.87	0.78	0.59	0.38			
	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	20	18	15	10			
	KW	2.40	2.46	2.54	2.63	2.60	2.66	2.76	2.85	2.78	2.85	2.95	3.05	2.94	3.01	3.11	3.23	3.07	3.15	3.26	3.37	3.19	3.26	3.38	3.50	3.19	3.26	3.38	3.50			
	AMPS	10.2	10.4	10.8	11.1	11.0	11.2	11.6	12.0	11.9	12.2	12.6	13.0	12.7	13.0	13.4	13.9	13.5	13.8	14.2	14.8	14.3	14.6	15.1	15.6	14.3	14.6	15.1	15.6			
	HI PR	143	154	163	170	160	173	182	190	183	196	207	216	208	224	236	246	234	252	266	277	258	278	294	306	258	278	294	306			
	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	73	77	84	90			

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA36B2*/CCA36F*C

COOLING OPERATION

Outdoor Ambient Temperature																											
65						75						85						105						115			
IDB*	Airflow	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	1350	MBh	36.2	37.0	39.5	42.2	35.3	36.1	38.6	41.2	34.5	35.2	37.7	40.3	33.7	34.4	36.7	39.3	32.0	32.7	34.9	37.3	29.6	30.3	32.3	34.6	
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	
		Delta T	22	21	19	15	22	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	20	20	17	14	
		KW	2.51	2.57	2.66	2.75	2.72	2.78	2.88	2.98	2.91	2.98	3.08	3.19	3.07	3.15	3.26	3.38	3.21	3.29	3.41	3.53	3.34	3.42	3.54	3.67	
		AMPS	10.6	10.9	11.2	11.6	11.5	11.7	12.1	12.6	12.4	12.7	13.1	13.6	13.3	13.6	14.0	14.5	14.1	14.4	14.9	15.5	14.9	15.3	15.8	16.4	
		HI PR	150	162	171	178	169	182	192	200	192	207	218	228	219	235	248	259	246	265	280	292	272	292	309	322	
		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	
1200	MBh	35.1	35.9	38.3	41.0	34.3	35.1	37.5	40.0	33.5	34.2	36.6	39.1	32.7	33.4	35.7	38.1	31.0	31.7	33.9	36.2	28.8	29.4	31.4	33.6		
	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	20	16	23	22	20	16	24	23	20	16	23	22	19	16	22	21	18	14		
	KW	2.49	2.54	2.63	2.72	2.70	2.76	2.86	2.96	2.88	2.95	3.05	3.16	3.05	3.12	3.23	3.35	3.19	3.26	3.38	3.50	3.31	3.39	3.51	3.64		
	AMPS	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.3	12.6	13.0	13.5	13.2	13.5	13.9	14.4	14.0	14.3	14.8	15.3	14.8	15.1	15.6	16.2		
	HI PR	149	160	169	177	167	180	190	198	190	205	216	225	216	233	246	257	244	262	277	289	269	290	306	319		
	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		
1050	MBh	32.4	33.1	35.4	37.8	31.7	32.4	34.6	37.0	30.9	31.6	33.7	36.1	30.2	30.8	32.9	35.2	28.6	29.3	31.3	33.4	26.5	27.1	29.0	31.0		
	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	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	2.42	2.48	2.56	2.65	2.62	2.69	2.78	2.88	2.81	2.87	2.97	3.08	2.96	3.03	3.14	3.26	3.10	3.17	3.29	3.41	3.22	3.29	3.41	3.54		
	AMPS	10.3	10.5	10.8	11.2	11.1	11.3	11.7	12.1	12.0	12.3	12.7	13.1	12.8	13.1	13.5	14.0	13.6	13.9	14.4	14.9	14.4	14.7	15.2	15.8		
	HI PR	144	155	164	171	162	174	184	192	184	198	210	219	210	226	239	249	236	254	268	280	261	281	297	309		
	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																																			
		1350												1200											1050										
		MBh	36.8	37.5	39.3	41.9	36.0	36.6	38.4	41.0	35.1	35.8	37.5	40.0	34.2	34.9	36.6	39.0	32.5	33.2	34.7	37.1	30.1	30.7	32.2	34.3									
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77									
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	23	24	22	19	22	23	22	19	21	21	21	18									
		KW	2.53	2.59	2.68	2.77	2.74	2.81	2.91	3.01	2.93	3.00	3.11	3.22	3.10	3.18	3.29	3.41	3.24	3.32	3.44	3.57	3.37	3.45	3.57	3.70									
		AMPS	10.7	11.0	11.3	11.7	11.6	11.8	12.2	12.7	12.5	12.8	13.3	13.7	13.4	13.7	14.2	14.7	14.2	14.6	15.0	15.6	15.1	15.4	15.9	16.5									
		HI PR	152	163	173	180	170	183	194	202	194	209	220	230	221	238	251	262	248	267	282	294	274	295	312	325									
		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									
		MBh	35.7	36.4	38.2	40.7	34.9	35.6	37.3	39.8	34.1	34.7	36.4	38.8	33.2	33.9	35.5	37.9	31.6	32.2	33.7	36.0	29.3	29.8	31.2	33.3									
		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	25	24	23	20	25	25	23	20	25	25	23	20	25	24	23	20	24	24	23	20	22	23	22	19									
		KW	2.51	2.57	2.66	2.75	2.72	2.78	2.88	2.98	2.91	2.98	3.08	3.19	3.07	3.15	3.26	3.38	3.21	3.29	3.41	3.53	3.34	3.42	3.54	3.67									
		AMPS	10.6	10.9	11.2	11.6	11.5	11.7	12.1	12.6	12.4	12.7	13.1	13.6	13.3	13.6	14.0	14.5	14.1	14.4	14.9	15.5	14.9	15.3	15.8	16.4									
		HI PR	150	162	171	178	169	182	192	200	192	207	218	228	219	235	248	259	246	265	280	292	272	292	309	322									
		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									
		MBh	33.0	33.6	35.2	37.6	32.2	32.8	34.4	36.7	31.5	32.1	33.6	35.8	30.7	31.3	32.8	34.9	29.2	29.7	31.1	33.2	27.0	27.5	28.8	30.8									
		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	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	2.44	2.50	2.58	2.68	2.65	2.71	2.80	2.90	2.83	2.90	3.00	3.11	2.99	3.06	3.17	3.29	3.13	3.20	3.32	3.44	3.25	3.32	3.44	3.57									
		AMPS	10.4	10.6	10.9	11.3	11.2	11.4	11.8	12.2	12.1	12.4	12.8	13.3	12.9	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.5	14.9	15.3	15.9									
		HI PR	146	157	166	173	164	176	186	194	186	200	212	221	212	228	241	251	239	257	271	283	264	284	300	312									
		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

NOTE: Shaded area is ARI Rating Conditions

EXPANDED PERFORMANCE DATA

MODEL: VCA36B3* / CCA36F*C+TXV

COOLING OPERATION

		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	59	63	67	71								
70	1350	MBh	33.5	34.8	38.1	-	32.8	33.9	37.2	-	32.0	33.1	36.3	-	31.2	32.3	35.4	-	29.6	30.7	33.6	-	27.4	28.4	31.2	-	27.4	28.4	31.2	-							
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-							
		Delta T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-							
		KW	2.85	2.91	2.99	-	3.06	3.12	3.21	-	3.24	3.30	3.40	-	3.39	3.46	3.57	-	3.53	3.60	3.71	-	3.64	3.72	3.84	-	3.64	3.72	3.84	-							
	AMPS	7.3	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.9	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.2	10.5	-	10.0	10.2	10.5	-								
	HI PR	144	155	163	-	161	174	183	-	184	198	209	-	209	225	238	-	235	253	267	-	260	280	295	-	260	280	295	-								
	LO PR	58	62	68	-	62	66	72	-	64	68	75	-	67	72	78	-	71	75	82	-	73	78	85	-	73	78	85	-								
	1200	MBh	32.6	33.7	37.0	-	31.8	33.0	36.1	-	31.0	32.2	35.2	-	30.3	31.4	34.4	-	28.8	29.8	32.7	-	26.6	27.6	30.3	-	26.6	27.6	30.3	-							
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-							
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	16	14	11	-							
		KW	2.83	2.89	2.97	-	3.03	3.09	3.19	-	3.21	3.28	3.38	-	3.37	3.44	3.54	-	3.50	3.57	3.69	-	3.62	3.69	3.81	-	3.62	3.69	3.81	-							
	AMPS	7.2	7.4	7.6	-	7.7	7.9	8.1	-	8.3	8.5	8.8	-	8.9	9.1	9.3	-	9.4	9.6	9.9	-	9.9	10.1	10.4	-	9.9	10.1	10.4	-								
	HI PR	142	153	162	-	160	172	182	-	182	196	207	-	207	223	235	-	233	251	265	-	257	277	292	-	257	277	292	-								
	LO PR	58	62	67	-	61	65	71	-	64	68	74	-	67	71	78	-	70	74	81	-	72	77	84	-	72	77	84	-								
	1050	MBh	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.7	32.5	-	28.0	29.0	31.7	-	26.6	27.5	30.2	-	24.6	25.5	27.9	-	24.6	25.5	27.9	-							
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-							
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-							
		KW	2.77	2.82	2.91	-	2.97	3.02	3.11	-	3.14	3.20	3.30	-	3.29	3.36	3.46	-	3.42	3.49	3.60	-	3.53	3.60	3.72	-	3.53	3.60	3.72	-							
	AMPS	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-	9.1	9.4	9.6	-	9.6	9.9	10.2	-	9.6	9.9	10.2	-								
	HI PR	138	149	157	-	155	167	176	-	176	190	200	-	201	216	228	-	226	243	257	-	250	269	284	-	250	269	284	-								
	LO PR	56	60	65	-	59	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	70	75	82	-								

75	1350	MBh	34.1	35.1	38.0	40.8	33.3	34.3	37.1	39.8	32.5	33.5	36.2	38.9	31.7	32.7	35.3	37.9	30.1	31.0	33.6	36.0	27.9	28.7	31.1	33.4
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
		KW	2.88	2.93	3.02	3.11	3.08	3.14	3.24	3.34	3.26	3.33	3.43	3.54	3.42	3.49	3.60	3.71	3.56	3.63	3.74	3.86	3.67	3.75	3.87	3.99
		AMPS	7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.4	10.1	10.3	10.6	11.0
		HI PR	145	156	165	172	163	175	185	193	185	200	211	220	211	227	240	250	238	256	270	282	262	282	298	311
		LO PR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	79	86	91
1200		MBh	33.1	34.1	36.9	39.6	32.3	33.3	36.0	38.7	31.6	32.5	35.2	37.8	30.8	31.7	34.3	36.8	29.3	30.1	32.6	35.0	27.1	27.9	30.2	32.4
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		Delta T	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		KW	2.85	2.91	3.00	3.08	3.06	3.12	3.21	3.31	3.24	3.30	3.40	3.51	3.39	3.46	3.57	3.68	3.53	3.60	3.72	3.83	3.64	3.72	3.84	3.96
		AMPS	7.3	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.9
		HI PR	144	155	163	170	161	174	183	191	184	198	209	218	209	225	238	248	235	253	267	279	260	280	295	308
		LO PR	58	62	68	72	62	66	72	76	64	68	75	79	67	72	78	83	71	75	82	87	73	78	85	90
1050		MBh	30.6	31.5	34.1	36.5	29.8	30.7	33.3	35.7	29.1	30.0	32.5	34.8	28.4	29.3	31.7	34.0	27.0	27.8	30.1	32.3	25.0	25.8	27.9	29.9
		S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
		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	2.79	2.85	2.93	3.01	2.99	3.05	3.14	3.23	3.16	3.23	3.32	3.43	3.32	3.38	3.49	3.60	3.45	3.52	3.63	3.74	3.56	3.63	3.75	3.87
		AMPS	7.1	7.2	7.5	7.7	7.6	7.8	8.0	8.3	8.2	8.4	8.6	8.9	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.1	9.7	9.9	10.3	10.6
		HI PR	140	150	159	165	157	168	178	186	178	192	202	211	203	218	230	240	228	246	259	270	252	271	286	299
		LO PR	57	60	66	70	60	64	70	74	62	66	72	77	65	70	76	81	69	73	80	85	71	75	82	88

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ACCA (TVA) conditions KW=Total system watts Amps=Outdoor unit amps(compressor+fan).

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA36B3* / CCA36F*C+TXV

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature												105												115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		65						75						85						95						105						115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1350	MBh	34.7	35.5	37.9	40.5	33.9	34.6	37.0	39.6	33.1	33.8	36.1	38.6	32.3	33.0	35.2	37.7	30.7	31.3	33.5	35.8	28.4	29.0	31.0	33.2	26.0	26.6	28.6	31.1	33.6	36.1	38.6	41.1	43.6	46.1	48.6	51.1	53.6	56.1	58.6	61.1	63.6	66.1	68.6	71.1	73.6	76.1	78.6	81.1	83.6	86.1	88.6	91.1	93.6	96.1	98.6	101.1	103.6	106.1	108.6	111.1	113.6	116.1	118.6	121.1	123.6	126.1	128.6	131.1	133.6	136.1	138.6	141.1	143.6	146.1	148.6	151.1	153.6	156.1	158.6	161.1	163.6	166.1	168.6	171.1	173.6	176.1	178.6	181.1	183.6	186.1	188.6	191.1	193.6	196.1	198.6	201.1	203.6	206.1	208.6	211.1	213.6	216.1	218.6	221.1	223.6	226.1	228.6	231.1	233.6	236.1	238.6	241.1	243.6	246.1	248.6	251.1	253.6	256.1	258.6	261.1	263.6	266.1	268.6	271.1	273.6	276.1	278.6	281.1	283.6	286.1	288.6	291.1	293.6	296.1	298.6	301.1	303.6	306.1	308.6	311.1	313.6	316.1	318.6	321.1	323.6	326.1	328.6	331.1	333.6	336.1	338.6	341.1	343.6	346.1	348.6	351.1	353.6	356.1	358.6	361.1	363.6	366.1	368.6	371.1	373.6	376.1	378.6	381.1	383.6	386.1	388.6	391.1	393.6	396.1	398.6	401.1	403.6	406.1	408.6	411.1	413.6	416.1	418.6	421.1	423.6	426.1	428.6	431.1	433.6	436.1	438.6	441.1	443.6	446.1	448.6	451.1	453.6	456.1	458.6	461.1	463.6	466.1	468.6	471.1	473.6	476.1	478.6	481.1	483.6	486.1	488.6	491.1	493.6	496.1	498.6	501.1	503.6	506.1	508.6	511.1	513.6	516.1	518.6	521.1	523.6	526.1	528.6	531.1	533.6	536.1	538.6	541.1	543.6	546.1	548.6	551.1	553.6	556.1	558.6	561.1	563.6	566.1	568.6	571.1	573.6	576.1	578.6	581.1	583.6	586.1	588.6	591.1	593.6	596.1	598.6	601.1	603.6	606.1	608.6	611.1	613.6	616.1	618.6	621.1	623.6	626.1	628.6	631.1	633.6	636.1	638.6	641.1	643.6	646.1	648.6	651.1	653.6	656.1	658.6	661.1	663.6	666.1	668.6	671.1	673.6	676.1	678.6	681.1	683.6	686.1	688.6	691.1	693.6	696.1	698.6	701.1	703.6	706.1	708.6	711.1	713.6	716.1	718.6	721.1	723.6	726.1	728.6	731.1	733.6	736.1	738.6	741.1	743.6	746.1	748.6	751.1	753.6	756.1	758.6	761.1	763.6	766.1	768.6	771.1	773.6	776.1	778.6	781.1	783.6	786.1	788.6	791.1	793.6	796.1	798.6	801.1	803.6	806.1	808.6	811.1	813.6	816.1	818.6	821.1	823.6	826.1	828.6	831.1	833.6	836.1	838.6	841.1	843.6	846.1	848.6	851.1	853.6	856.1	858.6	861.1	863.6	866.1	868.6	871.1	873.6	876.1	878.6	881.1	883.6	886.1	888.6	891.1	893.6	896.1	898.6	901.1	903.6	906.1	908.6	911.1	913.6	916.1	918.6	921.1	923.6	926.1	928.6	931.1	933.6	936.1	938.6	941.1	943.6	946.1	948.6	951.1	953.6	956.1	958.6	961.1	963.6	966.1	968.6	971.1	973.6	976.1	978.6	981.1	983.6	986.1	988.6	991.1	993.6	996.1	998.6	1001.1	1003.6	1006.1	1008.6	1011.1	1013.6	1016.1	1018.6	1021.1	1023.6	1026.1	1028.6	1031.1	1033.6	1036.1	1038.6	1041.1	1043.6	1046.1	1048.6	1051.1	1053.6	1056.1	1058.6	1061.1	1063.6	1066.1	1068.6	1071.1	1073.6	1076.1	1078.6	1081.1	1083.6	1086.1	1088.6	1091.1	1093.6	1096.1	1098.6	1101.1	1103.6	1106.1	1108.6	1111.1	1113.6	1116.1	1118.6	1121.1	1123.6	1126.1	1128.6	1131.1	1133.6	1136.1	1138.6	1141.1	1143.6	1146.1	1148.6	1151.1	1153.6	1156.1	1158.6	1161.1	1163.6	1166.1	1168.6	1171.1	1173.6	1176.1	1178.6	1181.1	1183.6	1186.1	1188.6	1191.1	1193.6	1196.1	1198.6	1201.1	1203.6	1206.1	1208.6	1211.1	1213.6	1216.1	1218.6	1221.1	1223.6	1226.1	1228.6	1231.1	1233.6	1236.1	1238.6	1241.1	1243.6	1246.1	1248.6	1251.1	1253.6	1256.1	1258.6	1261.1	1263.6	1266.1	1268.6	1271.1	1273.6	1276.1	1278.6	1281.1	1283.6	1286.1	1288.6	1291.1	1293.6	1296.1	1298.6	1301.1	1303.6	1306.1	1308.6	1311.1	1313.6	1316.1	1318.6	1321.1	1323.6	1326.1	1328.6	1331.1	1333.6	1336.1	1338.6	1341.1	1343.6	1346.1	1348.6	1351.1	1353.6	1356.1	1358.6	1361.1	1363.6	1366.1	1368.6	1371.1	1373.6	1376.1	1378.6	1381.1	1383.6	1386.1	1388.6	1391.1	1393.6	1396.1	1398.6	1401.1	1403.6	1406.1	1408.6	1411.1	1413.6	1416.1	1418.6	1421.1	1423.6	1426.1	1428.6	1431.1	1433.6	1436.1	1438.6	1441.1	1443.6	1446.1	1448.6	1451.1	1453.6	1456.1	1458.6	1461.1	1463.6	1466.1	1468.6	1471.1	1473.6	1476.1	1478.6	1481.1	1483.6	1486.1	1488.6	1491.1	1493.6	1496.1	1498.6	1501.1	1503.6	1506.1	1508.6	1511.1	1513.6	1516.1	1518.6	1521.1	1523.6	1526.1	1528.6	1531.1	1533.6	1536.1	1538.6	1541.1	1543.6	1546.1	1548.6	1551.1	1553.6	1556.1	1558.6	1561.1	1563.6	1566.1	1568.6	1571.1	1573.6	1576.1	1578.6	1581.1	1583.6	1586.1	1588.6	1591.1	1593.6	1596.1	1598.6	1601.1	1603.6	1606.1	1608.6	1611.1	1613.6	1616.1	1618.6	1621.1	1623.6	1626.1	1628.6	1631.1	1633.6	1636.1	1638.6	1641.1	1643.6	1646.1	1648.6	1651.1	1653.6	1656.1	1658.6	1661.1	1663.6	1666.1	1668.6	1671.1	1673.6	1676.1	1678.6	1681.1	1683.6	1686.1	1688.6	1691.1	1693.6	1696.1	1698.6	1701.1	1703.6	1706.1	1708.6	1711.1	1713.6	1716.1	1718.6	1721.1	1723.6	1726.1	1728.6	1731.1	1733.6	1736.1	1738.6	1741.1	1743.6	1746.1	1748.6	1751.1	1753.6	1756.1	1758.6	1761.1	1763.6	1766.1	1768.6	1771.1	1773.6	1776.1	1778.6	1781.1	1783.6	1786.1	1788.6	1791.1	1793.6	1796.1	1798.6	1801.1	1803.6	1806.1	1808.6	1811.1	1813.6	1816.1	1818.6	1821.1	1823.6	1826.1	1828.6	1831.1	1833.6	1836.1	1838.6	1841.1	1843.6	1846.1	1848.6	1851.1	1853.6	1856.1	1858.6	1861.1	1863.6	1866.1	1868.6	1871.1	1873.6	1876.1	1878.6	1881.1	1883.6	1886.1	1888.6	1891.1	1893.6	1896.1	1898.6	1901.1	1903.6	1906.1	1908.6	1911.1	1913.6	1916.1	1918.6	1921.1	1923.6	1926.1	1928.6	1931.1	1933.6	1936.1	1938.6	1941.1	1943.6	1946.1	1948.6	1951.1	1953.6	1956.1	1958.6	1961.1	1963.6	1966.1	1968.6	1971.1	1973.6	1976.1	1978.6	1981.1	1983.6	1986.1	1988.6	1991.1	1993.6	1996.1	1998.6	2001.1	2003.6	2006.1	2008.6	2011.1	2013.6	2016.1	2018.6	2021.1	2023.6	2026.1	2028.6	2031.1	2033.6	2036.1	2038.6	2041.1	2043.6	2046.1	2048.6	2051.1	2053.6	2056.1	2058.6	2061.1	2063.6	2066.1	2068.6	2071.1	2073.6	2076.1	2078.6	2081.1	2083.6	2086.1	2088.6	2091.1	2093.6	2096.1	2098.6	2101.1	2103.6	2106.1	2108.6	2111.1	2113.6	2116.1	2118.6	2121.1	2123.6	2126.1	2128.6	2131.1	2133.6	2136.1	2138.6	2141.1	2143.6	2146.1	2148.6	2151.1	2153.6	2156.1	2158.6	2161.1	2163.6	2166.1	2168.6	2171.1	2173.6	2176.1	2178.6	2181.1	2183.6	2186.1	2188.6	2191.1	2193.6	2196.1	2198.6	2201.1	2203.6	2206.1	2208.6	2211.1	2213.6	2216.1	2218.6	2221.1	2223.6	2226.1	2228.6	2231.1	2233.6	2236.1	2238.6	2241.1	2243.6	2246.1	2248.6	2251.1	2253.6	2256.1	2258.6	2261.1	2263.6	2266.1	2268.6	2271.1	2273.6	2276.1	2278.6	2281.1	2283.6	2286.1	2288.6	2291.1	2293.6	2296.1	2298.6	2301.1	2303.6	2306.1	2308.6	2311.1	2313.6	2316.1	2318.6	2321.1	2323.6	2326.1	2328.6	2331.1	2333.6	2336.1	2338.6	2341.1	2343.6	2346.1	2348.6	2351.1	2353.6	2356.1	2358.6	2361.1	2363.6	2366.1	2368.6	2371.1	2373.6	2376.1	2378.6	2381.1	2383.6	2386.1	2388.6	2391.1	2393.6	2396.1	2398.6	2401.1	2403.6	2406.1	2408.6	2411.1	2413.6	2416.1	2418.6	2421.1	2423.6	2426.1	2428.6	2431.1	2433.6	2436.1	2438.6	2441.1	2443.6	2446.1	2448.6	2451.1	2453.6	2456.1	2458.6	2461.1	2463.6	2466.1	2468.6	2471.1	2473.6	2476.1	2478.6	2481.1	2483.6	2486.1	2488.6	2491.1	2493.6	2496.1	2498.6	2501.1	2503.6	2506.1	2508.6	2511.1	2513.6	2516.1	2518.6	2521.1	2523.6	2526.1	2528.6	2531.1	2533.6	2536.1	2538.6	2541.1	2543.6	2546.1	2548.6	2551.1	2553.6	2556.1	2558.6	2561.1	2563.6	2566.1	2568.6	2571.1	2573.6	2576.1	2578.6	2581.1	2583.6	2586.1	2588.6	2591.1	2593.6	2596.1	2598.6	2601.1	2603.6	2606.1	2608.6	2611.1	2613.6	2616.1	2618.6	2621.1	2623.6	2626.1	2628.6	2631.1	2633.6	2636.1	2638.6	2641.1	2643.6	2646.1	2648.6	2651.1	2653.6	2656.1	2658.6	2661.1	2663.6	2666.1	266

COOLING PERFORMANCE DATA

VCA36B3* EXPANDED PERFORMANCE DATA
MODEL: VCA36B3*/CCA36F*C+TXV

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section				Indoor Section				Indoor Section			
	Cap	Power			Cap	Power			Cap	Power	
CCA30F*C+TXV	0.94	0.97		CCF36FCC+BBA36+TXV	0.94	0.97					
CHA30TCC	1.00	1.00		CHF30TCC+BBA36	0.94	0.97					
CCA36F*C + TXV	1.00	1.00		CCF36FDC+BBA48+TXV	1.00	1.00					
CHA36TCC	1.01	1.00		CCF42FCC+BBA48+TXV	0.98	0.99					
CCA42F*C+TXV	1.01	1.00		CHF36TCC+BBA48	0.98	0.99					
CHH30TCD	0.99	1.00		BMA36F*A+TXV/HIGH SPD	1.01	1.00					
CCH36F-CD+TXV	0.99	1.00		BMA42F*A+TXV/LOW SPD	1.01	1.00					
CHH36TCD	0.99	1.00									
CCF30FCC+TXV	0.97	0.97									
CCF36FCC+TXV	0.94	0.97									
CHF30TCC	0.94	0.97									
CCF36FDC+TXV	0.99	0.98									
CCF42FCC+TXV	0.98	0.99									
CHF36TCC	0.98	0.99									
CCA30FCC+BBA36+TXV	0.95	0.98									
CCA36FCC+BBA36+TXV	1.00	1.00									
CHA30TCC+BBA36	1.00	1.00									
CCA42FCC+BBA36+TXV	1.01	1.00									
CHA36TCC+BBA36	1.01	1.00									
CCF30FCC+BBA36+TXV	0.97	0.98									

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA42B2*/CCA48F*C

COOLING OPERATION

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1575	MBh	41.0	42.5	46.5	-	40.0	41.5	45.4	-	39.1	40.5	44.4	-	38.1	39.5	43.3	-	36.2	37.5	41.1	-	33.5	34.8	38.1	-	
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	
	Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-	
	KW	2.91	2.98	3.09	-	3.17	3.24	3.36	-	3.39	3.47	3.60	-	3.59	3.68	3.81	-	3.76	3.85	3.99	-	3.90	4.00	4.14	-	
	AMPS	12.3	12.6	13.0	-	13.3	13.6	14.1	-	14.5	14.8	15.3	-	15.4	15.8	16.3	-	16.4	16.8	17.4	-	17.4	17.8	18.4	-	
	HI PR	152	163	172	-	170	183	193	-	193	208	220	-	220	237	250	-	248	267	282	-	274	295	311	-	
	LO PR	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	80	87	-	
	MBh	39.8	41.2	45.2	-	38.9	40.3	44.1	-	37.9	39.3	43.1	-	37.0	38.4	42.0	-	35.2	36.4	39.9	-	32.6	33.7	37.0	-	
	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	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
1400	KW	2.89	2.96	3.06	-	3.14	3.22	3.33	-	3.36	3.44	3.57	-	3.56	3.64	3.78	-	3.72	3.81	3.95	-	3.87	3.96	4.11	-	
	AMPS	12.2	12.5	12.9	-	13.2	13.5	14.0	-	14.3	14.7	15.2	-	15.3	15.7	16.2	-	16.3	16.7	17.2	-	17.2	17.7	18.3	-	
	HI PR	150	162	171	-	168	181	191	-	192	206	218	-	218	235	248	-	245	264	279	-	271	292	308	-	
	LO PR	59	63	69	-	63	67	73	-	65	69	76	-	68	73	79	-	72	76	83	-	74	79	86	-	
	MBh	36.7	38.1	41.7	-	35.9	37.2	40.7	-	35.0	36.3	39.8	-	34.2	35.4	38.8	-	32.4	33.6	36.8	-	30.1	31.2	34.1	-	
	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	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
	KW	2.81	2.88	2.98	-	3.05	3.13	3.24	-	3.27	3.35	3.47	-	3.46	3.54	3.67	-	3.62	3.71	3.84	-	3.76	3.85	3.99	-	
	AMPS	11.9	12.2	12.6	-	12.9	13.2	13.6	-	13.9	14.3	14.7	-	14.9	15.3	15.8	-	15.8	16.2	16.8	-	16.8	17.2	17.7	-	
	HI PR	146	157	165	-	163	176	186	-	186	200	211	-	212	228	241	-	238	256	271	-	263	283	299	-	
LO PR	57	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	69	74	81	-	72	76	83	-		
1575	MBh	41.7	42.9	46.4	49.8	40.7	41.9	45.4	48.7	39.7	40.9	44.3	47.5	38.8	39.9	43.2	46.4	36.8	37.9	41.0	44.0	34.1	35.1	38.0	40.8	
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41	
	Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10	19	17	14	10	
	KW	2.94	3.01	3.12	3.23	3.20	3.27	3.39	3.52	3.42	3.51	3.63	3.77	3.62	3.71	3.85	3.99	3.79	3.89	4.03	4.18	3.94	4.04	4.18	4.34	
	AMPS	12.5	12.8	13.2	13.6	13.4	13.8	14.2	14.7	14.6	15.0	15.4	16.0	15.6	16.0	16.5	17.1	16.6	17.0	17.6	18.2	17.6	18.0	18.6	19.3	
	HI PR	153	165	174	182	172	185	195	204	195	210	222	232	223	240	253	264	250	270	285	297	277	298	314	328	
	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	
	MBh	40.5	41.6	45.1	48.4	39.5	40.7	44.0	47.3	38.6	39.7	43.0	46.1	37.6	38.7	41.9	45.0	35.7	36.8	39.8	42.8	33.1	34.1	36.9	39.6	
	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	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10	
1400	KW	2.92	2.98	3.09	3.20	3.17	3.25	3.36	3.48	3.39	3.48	3.60	3.73	3.59	3.68	3.81	3.95	3.76	3.85	3.99	4.14	3.90	4.00	4.15	4.30	
	AMPS	12.3	12.6	13.0	13.5	13.3	13.6	14.1	14.6	14.5	14.8	15.3	15.9	15.5	15.8	16.3	17.0	16.4	16.8	17.4	18.1	17.4	17.8	18.4	19.1	
	HI PR	152	163	172	180	170	183	193	202	194	208	220	229	220	237	250	261	248	267	282	294	274	295	311	325	
	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	
	MBh	37.3	38.4	41.6	44.7	36.5	37.5	40.6	43.6	35.6	36.7	39.7	42.6	34.7	35.8	38.7	41.5	33.0	34.0	36.8	39.5	30.6	31.5	34.1	36.6	
	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	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	2.84	2.90	3.01	3.12	3.08	3.16	3.27	3.39	3.30	3.38	3.50	3.63	3.49	3.58	3.71	3.84	3.65	3.74	3.88	4.02	3.79	3.89	4.03	4.18	
	AMPS	12.0	12.3	12.7	13.2	13.0	13.3	13.7	14.2	14.1	14.4	14.9	15.4	15.0	15.4	15.9	16.5	16.0	16.4	16.9	17.6	16.9	17.3	17.9	18.6	
	HI PR	147	158	167	174	165	178	188	196	188	202	213	222	214	230	243	253	241	259	273	285	266	286	302	315	
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		

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA42B2*/CCA48F*C

COOLING OPERATION

		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	59	63	67	71								
80	1575	MBh	42.4	43.3	46.3	49.5	41.4	42.3	45.2	48.3	40.4	41.3	44.1	47.2	39.4	40.3	43.1	46.0	37.5	38.3	40.9	43.7	34.7	35.5	37.9	40.5	31.7	32.5	35.1	37.9							
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	0.87	0.82	0.94	0.79							
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	17	14	18	17	15	12							
		KW	2.97	3.04	3.15	3.26	3.23	3.30	3.42	3.55	3.46	3.54	3.67	3.80	3.66	3.75	3.88	4.03	3.83	3.92	4.07	4.22	3.98	4.07	4.22	4.38	4.07	4.15	4.31	4.05							
	AMPS	12.6	12.9	13.3	13.8	13.6	13.9	14.3	14.9	14.7	15.1	15.6	16.2	15.7	16.1	16.7	17.3	16.7	17.1	17.7	18.4	17.7	18.2	18.8	19.5	17.7	18.2	19.0	18.1								
	HI PR	155	166	176	183	174	187	197	206	197	212	224	234	225	242	256	267	253	272	287	300	280	301	318	331	280	301	318	331								
	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	76	81	89	94								
			MBh	41.2	42.1	44.9	48.0	40.2	41.1	43.9	46.9	39.3	40.1	42.9	45.8	38.3	39.1	41.8	44.7	36.4	37.2	39.7	42.5	33.7	34.4	36.8	39.3	31.7	32.5	35.1	37.9						
1400		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	0.87	0.82	0.94	0.75							
		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	18	17	15	12							
		KW	2.94	3.01	3.12	3.23	3.20	3.27	3.39	3.52	3.42	3.51	3.63	3.77	3.62	3.71	3.85	3.99	3.79	3.89	4.03	4.18	3.94	4.04	4.18	4.34	4.07	4.15	4.31	4.05							
		AMPS	12.5	12.8	13.2	13.6	13.5	13.8	14.2	14.7	14.6	15.0	15.4	16.0	15.6	16.0	16.5	17.1	16.6	17.0	17.6	18.2	17.6	18.0	18.6	19.3	17.7	18.2	19.0	18.1							
	HI PR	153	165	174	182	172	185	195	204	195	210	222	232	223	240	253	264	250	270	285	297	277	298	314	328	280	301	318	331								
	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	76	80	88	94								
			MBh	38.0	38.8	41.5	44.3	37.1	37.9	40.5	43.3	36.2	37.0	39.6	42.3	35.3	36.1	38.6	41.3	33.6	34.3	36.7	39.2	31.1	31.8	34.0	36.3	31.7	32.5	35.1	37.9						
	1225		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	0.87	0.82	0.94	0.75						
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	18	17	15	12							
KW			2.86	2.93	3.03	3.14	3.11	3.19	3.30	3.42	3.33	3.41	3.53	3.66	3.52	3.61	3.74	3.88	3.69	3.78	3.92	4.06	3.83	3.92	4.07	4.22	4.07	4.15	4.31	4.05							
AMPS			12.1	12.4	12.8	13.3	13.1	13.4	13.8	14.3	14.2	14.5	15.0	15.6	15.2	15.5	16.0	16.6	16.1	16.5	17.1	17.7	17.1	17.5	18.1	18.8	17.7	18.2	19.0	18.1							
HI PR		149	160	169	176	167	179	189	198	190	204	215	225	216	232	245	256	243	261	276	288	268	289	305	318	280	301	318	331								
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	76	80	88	94								

1575	1575	MBh	43.1	44.0	46.1	49.1	42.1	43.0	45.0	48.0	41.1	41.9	43.9	46.9	40.1	40.9	42.8	45.7	38.1	38.9	40.7	43.4	35.3	36.0	37.7	40.2
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	23	24	23	20	22	23	22	19	21	21	21	18
		KW	2.99	3.07	3.18	3.29	3.26	3.33	3.45	3.58	3.49	3.57	3.70	3.84	3.69	3.78	3.92	4.06	3.86	3.96	4.10	4.26	4.01	4.11	4.26	4.42
	1400	AMPS	12.7	13.0	13.4	13.9	13.7	14.0	14.5	15.0	14.9	15.2	15.7	16.3	15.9	16.3	16.8	17.4	16.9	17.3	17.9	18.6	17.9	18.3	18.9	19.7
		HI PR	156	168	178	185	175	189	199	208	199	215	227	236	227	244	258	269	256	275	290	303	282	304	321	335
		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
		MBh	41.9	42.7	44.7	47.7	40.9	41.7	43.7	46.6	39.9	40.7	42.6	45.5	39.0	39.7	41.6	44.4	37.0	37.7	39.5	42.2	34.3	35.0	36.6	39.1
85	1400	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	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	25	23	20	23	23	22	19
		KW	2.97	3.04	3.15	3.26	3.23	3.30	3.42	3.55	3.46	3.54	3.67	3.80	3.66	3.75	3.88	4.03	3.83	3.92	4.07	4.22	3.98	4.07	4.22	4.38
		AMPS	12.6	12.9	13.3	13.8	13.6	13.9	14.3	14.9	14.7	15.1	15.6	16.2	15.7	16.1	16.7	17.3	16.7	17.1	17.7	18.4	17.7	18.2	18.8	19.5
	1225	HI PR	155	166	176	183	174	187	197	206	197	212	224	234	225	242	256	267	253	272	287	300	280	301	318	331
		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
		MBh	38.7	39.4	41.3	44.0	37.8	38.5	40.3	43.0	36.9	37.6	39.4	42.0	36.0	36.7	38.4	41.0	34.2	34.8	36.5	38.9	31.7	32.3	33.8	36.0
		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
1225	1400	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	2.89	2.96	3.06	3.17	3.14	3.21	3.33	3.45	3.36	3.44	3.57	3.70	3.56	3.64	3.77	3.91	3.72	3.81	3.95	4.10	3.87	3.96	4.11	4.26
		AMPS	12.2	12.5	12.9	13.4	13.2	13.5	14.0	14.5	14.3	14.7	15.2	15.7	15.3	15.7	16.2	16.8	16.3	16.7	17.2	17.9	17.2	17.7	18.2	18.9
		HI PR	150	161	171	178	168	181	191	200	192	206	218	227	218	235	248	259	245	264	279	291	271	292	308	321
	1225	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
		MBh	38.7	39.4	41.3	44.0	37.8	38.5	40.3	43.0	36.9	37.6	39.4	42.0	36.0	36.7	38.4	41.0	34.2	34.8	36.5	38.9	31.7	32.3	33.8	36.0
		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	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	24	23	22	19

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA42B2* / CCA42F*A

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
CCA36F*C	0.96	0.98	CCF48FCC+TXV03A	0.96	1.00	CCF48FCC+BBA48	0.96	0.99
CCA36F*C+TXV03A	0.96	0.98	CCF48FDC+TXV03A	0.99	1.01	CCF48FCC+BBA48+TXV03A	0.96	0.99
CHA36T*C	0.98	0.99	CHF48TCC	0.99	1.01	CCF48FDC+BBA60	0.99	0.99
CCA42F*C+TXV03A	0.98	0.99	CHA30TCC+BBA36	0.96	1.00	CCF48FDC+BBA60+TXV03A	0.99	0.99
CHA42T*C	1.00	1.01	CCA36FCC+BBA36	0.96	1.00	CHF48TCC+BBA60	0.99	0.99
CCA48F*C	1.00	1.02	CCA36FCC+BBA36+TXV03A	0.96	1.00	BMA36F--A	0.99	1.00
CCA48F*C+TXV03A	1.00	1.01	CHA36TCC+BBA36	0.97	1.00	BMA36F--A+TXV06A	0.99	1.00
CCH36FCD	0.96	0.99	CCA42FCC+BBA36	0.97	1.00	BMA42F--A	0.99	1.00
CCH36FCD+TXV03A	0.96	0.99	CCA42FCC+BBA36+TXV03A	0.97	1.00	BMA42F--A+TXV06A	0.99	1.00
CHH36TCD	0.96	0.99	CCA36FDC+BBA48	0.98	0.99			
CCH48FCD	1.01	1.01	CCA36FDC+BBA48+TXV03A	0.98	0.99			
CCH48FCD+TXV03A	1.01	1.01	CCA42FDC+BBA48	0.98	0.99			
CHH48TCD	1.01	1.01	CCA42FDC+BBA48+TXV03A	0.98	0.99			
CCF36FDC+TXV03A	0.96	0.99	CHA42TCC+BBA48	0.99	1.00			
CHF36TCC	0.96	1.00	CCA48FCC+BBA48	0.99	1.00			
CCF42FCC	0.96	1.00	CCF36FDC+BBA48+TXV03A	0.97	0.99			
CCF42FCC+TXV03A	0.96	1.00	CHF36TCC+BBA48	0.96	0.98			
CHF42TCC	0.96	1.00	CCF42FCC+BBA48	0.96	0.98			
CCF48FCC	0.96	1.00	CCF42FCC+BBA48+TXV03A	0.96	0.98			
CCF48FDC	0.99	1.01	CHF42TCC+BBA48	0.96	0.99			

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA48B2*CCA48F*C

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature																																			
70	1800	MBh	46.2	47.9	52.4	-	45.1	46.8	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	40.8	42.3	46.3	-	37.8	39.2	42.9	-											
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-											
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-											
		KW	3.25	3.33	3.45	-	3.54	3.62	3.76	-	3.79	3.88	4.02	-	4.01	4.11	4.26	-	4.20	4.30	4.46	-	4.36	4.47	4.63	-											
		AMPS	13.9	14.2	14.7	-	15.0	15.3	15.9	-	16.3	16.7	17.2	-	17.4	17.8	18.4	-	18.5	19.0	19.6	-	19.6	20.1	20.8	-											
		HI PR	154	166	175	-	173	186	196	-	197	212	223	-	224	241	254	-	252	271	286	-	278	299	316	-											
1600	LO PR	56	60	65	-	59	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-												
		MBh	44.8	46.5	50.9	-	43.8	45.4	49.7	-	42.8	44.3	48.5	-	41.7	43.2	47.4	-	39.6	41.1	45.0	-	36.7	38.0	41.7	-											
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-											
		Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-											
		KW	3.23	3.30	3.42	-	3.51	3.59	3.72	-	3.76	3.85	3.99	-	3.97	4.07	4.22	-	4.16	4.26	4.42	-	4.32	4.43	4.59	-											
		AMPS	13.7	14.1	14.5	-	14.9	15.2	15.7	-	16.1	16.5	17.1	-	17.2	17.7	18.3	-	18.4	18.8	19.4	-	19.4	19.9	20.6	-											
1400	HI PR	152	164	173	-	171	184	194	-	195	209	221	-	222	239	252	-	249	268	283	-	275	296	313	-												
		LO PR	56	59	65	-	59	63	68	-	61	65	71	-	64	68	75	-	67	72	78	-	70	74	81	-											
		MBh	41.4	42.9	47.0	-	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	36.6	37.9	41.5	-	33.9	35.1	38.5	-											
		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	0.62	0.43	-	0.75	0.63	0.44	-											
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	14	11	-											
		KW	3.14	3.21	3.33	-	3.41	3.49	3.62	-	3.65	3.74	3.88	-	3.87	3.96	4.10	-	4.05	4.15	4.30	-	4.20	4.31	4.46	-											
1400	AMPS	13.4	13.7	14.1	-	14.4	14.8	15.3	-	15.7	16.1	16.6	-	16.8	17.2	17.8	-	17.8	18.3	18.9	-	18.9	19.4	20.0	-												
		HI PR	148	159	168	-	166	179	189	-	189	203	214	-	215	231	244	-	242	260	275	-	267	288	304	-											
			LO PR	54	58	63	-	57	61	66	-	59	63	69	-	62	66	72	-	65	70	76	-	68	72	79	-										

75	1800	MBh	47.0	48.4	52.3	56.2	45.9	47.2	51.1	54.9	44.8	46.1	49.9	53.6	43.7	45.0	48.7	52.3	41.5	42.7	46.3	49.6	38.4	39.6	42.8	46.0
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.93	0.83	0.63	0.41
		Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		KW	3.28	3.36	3.48	3.61	3.57	3.66	3.79	3.93	3.83	3.92	4.06	4.21	4.05	4.15	4.30	4.46	4.24	4.34	4.50	4.67	4.40	4.51	4.68	4.85
		AMPS	14.0	14.3	14.8	15.3	15.1	15.5	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.8	20.3	21.0	21.8
	HI PR	156	167	177	184	175	188	198	207	199	214	226	235	226	243	257	268	254	274	289	302	281	302	319	333	
	LO PR	57	61	66	70	60	64	70	74	62	66	73	77	66	70	76	81	69	73	80	85	71	76	83	88	
	1600	MBh	45.6	46.9	50.8	54.5	44.5	45.9	49.6	53.3	43.5	44.8	48.5	52.0	42.4	43.7	47.3	50.7	40.3	41.5	44.9	48.2	37.3	38.4	41.6	44.6
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39
		Delta T	20	19	15	11	21	19	15	11	21	19	15	11	21	19	16	11	20	19	15	11	19	18	14	10
KW		3.26	3.33	3.45	3.58	3.54	3.63	3.76	3.89	3.79	3.88	4.02	4.17	4.01	4.11	4.26	4.42	4.20	4.30	4.46	4.63	4.36	4.47	4.63	4.81	
AMPS		13.9	14.2	14.7	15.2	15.0	15.4	15.9	16.4	16.3	16.7	17.2	17.9	17.4	17.8	18.4	19.1	18.5	19.0	19.6	20.4	19.6	20.1	20.8	21.6	
1400	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	56	60	65	70	59	63	69	74	62	66	72	76	65	69	75	80	68	72	79	84	70	75	82	87	
	MBh	42.1	43.3	46.9	50.3	41.1	42.3	45.8	49.2	40.1	41.3	44.7	48.0	39.2	40.3	43.6	46.8	37.2	38.3	41.4	44.5	34.5	35.5	38.4	41.2	
	S/T	0.75	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.86	0.77	0.58	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	

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA48B2*CCA48F*C

COOLING OPERATION

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
IDB*	Airflow	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71					
80	1800	MBh	47.8	48.8	52.2	55.8	46.7	47.7	51.0	54.5	45.6	46.6	49.8	53.2	44.5	45.4	48.5	51.9	42.2	43.2	46.1	49.3	39.1	40.0	42.7	45.7					
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58					
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	23	21	18	15	22	21	18	15	20	20	17	14					
		KW	3.31	3.39	3.52	3.64	3.60	3.69	3.83	3.97	3.86	3.96	4.10	4.25	4.09	4.19	4.34	4.50	4.28	4.38	4.54	4.71	4.44	4.55	4.72	4.90					
		AMPS	14.1	14.5	14.9	15.5	15.3	15.6	16.1	16.8	16.6	17.0	17.6	18.2	17.7	18.2	18.8	19.5	18.9	19.3	20.0	20.8	20.0	20.5	21.2	22.0					
		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	57	61	67	71	61	65	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89					
		MBh	46.4	47.4	50.7	54.2	45.3	46.3	49.5	52.9	44.3	45.2	48.3	51.6	43.2	44.1	47.1	50.4	41.0	41.9	44.8	47.9	38.0	38.8	41.5	44.3					
1600	S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.56						
	Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14						
	KW	3.28	3.36	3.48	3.61	3.57	3.66	3.79	3.93	3.83	3.92	4.06	4.21	4.05	4.15	4.30	4.46	4.24	4.34	4.50	4.67	4.40	4.51	4.68	4.85						
	AMPS	14.0	14.3	14.8	15.3	15.1	15.5	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.8	20.3	21.0	21.8						
	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	57	61	66	70	60	64	70	74	62	66	73	77	66	70	76	81	69	73	80	85	71	76	83	88						
	MBh	42.8	43.8	46.8	50.0	41.8	42.8	45.7	48.8	40.8	41.7	44.6	47.7	39.8	40.7	43.5	46.5	37.9	38.7	41.3	44.2	35.1	35.8	38.3	40.9						
	S/T	0.82	0.77	0.62	0.47	0.85	0.79	0.65	0.48	0.87	0.81	0.66	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54						
1400	Delta T	23	22	19	15	23	22	19	16	23	22	19	16	23	22	20	16	23	22	19	15	22	21	18	14						
	KW	3.20	3.27	3.39	3.51	3.47	3.56	3.69	3.82	3.72	3.81	3.95	4.09	3.94	4.03	4.18	4.34	4.12	4.22	4.38	4.54	4.28	4.39	4.55	4.72						
	AMPS	13.6	13.9	14.4	14.9	14.7	15.1	15.6	16.1	16.0	16.4	16.9	17.6	17.1	17.5	18.1	18.8	18.2	18.6	19.3	20.0	19.3	19.7	20.4	21.2						
	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	55	59	64	68	58	62	68	72	61	64	70	75	64	68	74	79	67	71	77	82	69	73	80	85						

85	1800	MBh	48.6	49.6	51.9	55.4	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.2	46.1	48.3	51.5	43.0	43.8	45.9	49.0	39.8	40.6	42.5	45.3
		S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76
		Delta T	23	23	22	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	21	20	18
		KW	3.34	3.43	3.55	3.68	3.64	3.73	3.86	4.00	3.90	3.99	4.14	4.29	4.12	4.23	4.38	4.54	4.32	4.42	4.59	4.76	4.49	4.60	4.77	4.94
		AMPS	14.2	14.6	15.1	15.6	15.4	15.8	16.3	16.9	16.7	17.1	17.7	18.4	17.9	18.3	18.9	19.7	19.0	19.5	20.2	20.9	20.2	20.7	21.4	22.2
		HI PR	159	171	180	188	178	192	202	211	203	218	230	240	231	248	262	273	260	279	295	308	287	309	326	340
		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
		MBh	47.2	48.1	50.4	53.8	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.0	41.7	42.5	44.5	47.5	38.7	39.4	41.3	44.0
85	1600	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72
		Delta T	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
		KW	3.31	3.39	3.52	3.64	3.60	3.69	3.83	3.97	3.86	3.96	4.10	4.25	4.09	4.19	4.34	4.50	4.28	4.38	4.54	4.71	4.44	4.55	4.72	4.90
		AMPS	14.1	14.5	14.9	15.5	15.3	15.6	16.1	16.8	16.6	17.0	17.6	18.2	17.7	18.2	18.8	19.5	18.9	19.3	20.0	20.8	20.0	20.5	21.2	22.0
		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	57	61	67	71	61	65	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89
		MBh	43.6	44.4	46.5	49.6	42.6	43.4	45.4	48.5	41.6	42.4	44.4	47.3	40.5	41.3	43.3	46.2	38.5	39.3	41.1	43.9	35.7	36.4	38.1	40.6
		S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.98	0.94	0.85	0.69	0.98	0.95	0.86	0.70
85	1400	Delta T	25	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	25	24	23	20	23	23	21	19
		KW	3.22	3.30	3.42	3.54	3.51	3.59	3.72	3.86	3.75	3.85	3.99	4.13	3.97	4.07	4.22	4.38	4.16	4.26	4.42	4.58	4.32	4.43	4.59	4.76
		AMPS	13.7	14.1	14.5	15.1	14.8	15.2	15.7	16.3	16.1	16.5	17.1	17.7	17.2	17.7	18.3	18.9	18.3	18.8	19.4	20.2	19.4	19.9	20.6	21.4
		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	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 ARI Rating Conditions

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA48B2* /CCA48F*C

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power
CHA42T*C	1.00	1.14
CCA48F*C HSVTC	1.00	1.14
CCA48F*C+TXV03A	1.00	1.14
CHA48T*C	0.97	1.13
CCA54F*C	0.97	1.13
CCA54F*C+TXV03A	0.97	1.13
CHA54T*C	1.02	1.15
CCA57F*C	1.02	1.15
CCA57F*C+TXV03A	1.02	1.15
CCH48FCC	1.01	1.14
CHH48TCC	1.02	1.14
CCH60FCC	1.03	1.15
CHH60TCC	1.03	1.15
CCF42FCC	0.94	1.09

Indoor Section	Cap	Power
CCF42FCC+TXV03A	0.94	1.09
CCF48FCC	0.95	1.10
CCF48FCC+TXV03A	0.95	1.10
CCF48FDC	0.98	1.13
CCF48FDC+TXV03A	0.98	1.13
CHF48TCC	0.99	1.14
CCF60FCC	0.99	1.14
CCF60FCC+TXV03A	0.99	1.14
CHA42TCC+BBA48	1.00	1.13
CCA48FCC+BBA48	1.00	1.13
CCA48FCC+BBA48+TXV03A	1.00	1.13
CHF42TCC+BBA48	0.96	1.12
CCF42TCC+BBA48	0.95	1.12
CCF42FCC+BBA48+TXV03A	0.95	1.12

Indoor Section	Cap	Power
CCF48FCC+BBA48	0.96	1.12
CCF48FCC+BBA48+TXV03A	0.96	1.12
CHA48TCC+BBA60	0.97	1.11
CCA54FCC+BBA60	0.97	1.11
CCA54FCC+BBA60+TXV03A	0.97	1.11
CHA54TCC+BBA60	1.02	1.13
CCF48FDC+BBA60	0.98	1.12
CCF48FDC+BBA60+TXV03A	0.98	1.12
CHF48TCC+BBA60	0.99	1.12
CCF60FCC+BBA60	0.99	1.12
CCF60FCC+BBA60+TXV03A	0.99	1.12
BMA42F--A	0.97	1.11
BMA42F--A+TXV06A	0.97	1.11

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA48B3*/CCA54F*C+TXV

COOLING OPERATION

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
IDB*	Airflow	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	
70	1800	MBh	46.1	47.7	52.3	-	45.0	46.6	51.1	-	43.9	45.5	49.9	-	42.8	44.4	48.7	-	40.7	42.2	46.2	-	37.7	39.1	42.8	-	37.7	39.1	42.8	-	
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	
		KW	3.20	3.28	3.40	-	3.48	3.57	3.69	-	3.73	3.82	3.96	-	3.95	4.04	4.19	-	4.13	4.23	4.39	-	4.29	4.40	4.56	-	4.29	4.40	4.56	-	
		AMPS	9.4	9.6	9.9	-	10.1	10.3	10.6	-	10.9	11.2	11.5	-	11.6	11.9	12.3	-	12.4	12.6	13.0	-	13.1	13.4	13.8	-	13.1	13.4	13.8	-	
		HI PR	155	166	176	-	173	187	197	-	197	212	224	-	225	242	255	-	253	272	287	-	279	301	317	-	279	301	317	-	
	LO PR	57	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	69	74	81	-	72	76	83	-	72	76	83	-		
	1600	MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-	36.6	37.9	41.6	-	
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	-	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	-	17	14	11	-		
KW		3.17	3.25	3.36	-	3.45	3.53	3.66	-	3.69	3.78	3.92	-	3.91	4.01	4.15	-	4.09	4.19	4.35	-	4.25	4.36	4.52	-	4.25	4.36	4.52	-		
AMPS		9.3	9.5	9.8	-	10.0	10.2	10.6	-	10.8	11.1	11.4	-	11.5	11.8	12.2	-	12.2	12.5	12.9	-	12.9	13.2	13.7	-	12.9	13.2	13.7	-		
HI PR		153	165	174	-	172	185	195	-	195	210	222	-	222	239	253	-	250	269	284	-	277	298	314	-	277	298	314	-		
1400	LO PR	57	61	66	-	60	64	70	-	62	66	73	-	66	70	76	-	69	73	80	-	71	76	83	-	71	76	83	-		
	MBh	41.3	42.8	46.9	-	40.3	41.8	45.8	-	39.4	40.8	44.7	-	38.4	39.8	43.6	-	36.5	37.8	41.4	-	33.8	35.0	38.4	-	33.8	35.0	38.4	-		
	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	-	0.76	0.64	0.44	-		
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-		
	KW	3.09	3.16	3.27	-	3.36	3.44	3.56	-	3.59	3.68	3.81	-	3.80	3.89	4.04	-	3.98	4.08	4.23	-	4.13	4.24	4.39	-	4.13	4.24	4.39	-		
	AMPS	9.1	9.3	9.5	-	9.7	10.0	10.3	-	10.5	10.8	11.1	-	11.2	11.5	11.9	-	11.9	12.2	12.6	-	12.6	12.9	13.3	-	12.6	12.9	13.3	-		
	HI PR	148	160	169	-	167	179	189	-	189	204	215	-	216	232	245	-	243	261	276	-	268	289	305	-	268	289	305	-		
	LO PR	55	59	64	-	58	62	68	-	61	64	70	-	64	68	74	-	67	71	78	-	69	73	80	-	69	73	80	-		

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA48B3*/CCA54F*C+TXV

COOLING OPERATION

IDB* Airflow			Outdoor Ambient Temperature																																															
			65								75								85								95								105								115							
			59	63	67	71	59	63	67	71	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	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.5	46.4	49.6	53.0	44.3	45.3	48.4	51.8	42.1	43.0	46.0	49.2	39.0	39.9	42.6	45.5	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59																
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59																
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	23	21	19	15	22	21	18	15	20	20	17	14	20	19	17	14	20	19	17	14																
		KW	3.26	3.34	3.46	3.58	3.55	3.63	3.76	3.90	3.80	3.89	4.03	4.18	4.02	4.12	4.27	4.43	4.21	4.31	4.47	4.64	4.37	4.48	4.65	4.82	4.37	4.48	4.65	4.82	4.37	4.48	4.65	4.82																
		AMPS	9.5	9.8	10.1	10.4	10.3	10.5	10.8	11.2	11.1	11.4	11.7	12.2	11.8	12.1	12.5	13.0	12.6	12.9	13.3	13.8	13.3	13.6	14.1	14.6	13.3	13.6	14.1	14.6	13.3	13.6	14.1	14.6																
	1600	HI PR	158	170	179	187	177	191	201	210	201	217	229	239	229	247	261	272	258	278	293	306	285	307	324	338	285	307	324	338	285	307	324	338																
		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	73	78	85	91	73	78	85	91																
		MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	47.0	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2	37.9	38.7	41.4	44.2	37.9	38.7	41.4	44.2																
		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	0.99	0.93	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	21	21	18	14	21	21	18	14	21	21	18	14																
85	1600	KW	3.23	3.31	3.43	3.55	3.51	3.60	3.73	3.87	3.76	3.85	3.99	4.14	3.98	4.08	4.23	4.39	4.17	4.27	4.43	4.59	4.33	4.44	4.60	4.77	4.33	4.44	4.60	4.77	4.33	4.44	4.60	4.77																
		AMPS	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.1	11.0	11.3	11.6	12.0	11.7	12.0	12.4	12.9	12.5	12.8	13.2	13.7	13.2	13.5	13.9	14.4	13.2	13.5	13.9	14.4	13.2	13.5	13.9	14.4																
		HI PR	156	168	178	185	175	189	199	208	199	215	227	236	227	244	258	269	255	275	290	303	282	304	321	334	282	304	321	334	282	304	321	334																
		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	73	77	84	90	73	77	84	90																
		MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8	35.0	35.7	38.2	40.8	35.0	35.7	38.2	40.8																
	1400	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	0.95	0.89	0.73	0.54	0.95	0.89	0.73	0.54																
		Delta T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15	22	21	18	15	22	21	18	15																
		KW	3.14	3.22	3.33	3.45	3.42	3.50	3.63	3.76	3.66	3.75	3.88	4.03	3.87	3.97	4.11	4.26	4.05	4.15	4.31	4.47	4.21	4.32	4.47	4.64	4.21	4.32	4.47	4.64	4.21	4.32	4.47	4.64																
		AMPS	9.2	9.4	9.7	10.1	9.9	10.1	10.5	10.8	10.7	11.0	11.3	11.7	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.6	14.1	12.8	13.1	13.6	14.1	12.8	13.1	13.6	14.1																
		HI PR	152	163	172	180	170	183	193	202	193	208	220	229	220	237	250	261	248	267	282	294	274	295	311	324	274	295	311	324	274	295	311	324																
LO PR	56	60	65	70	60	63	69	74	62	66	72	77	65	69	75	80	68	72	79	84	70	75	82	87	70	75	82	87	70	75	82	87																		

COOLING PERFORMANCE DATA

VCA48B3* EXPANDED PERFORMANCE DATA
MODEL: VCA48B3* / CCA54F*C+TXV

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
CHA42T°C	1.02	1.13						
	1.02	1.13	CCF48FCC+TXV03A	0.98	1.12			
CCA48F*C+TXV03A	1.02	1.13		0.98	1.12			
CHA48T°C	1.00	1.14	CCF48FDC+TXV03A	1.01	1.15			
CCA54F*C+TXV03A HSVTC	1.00	1.14	CHF48TCC	1.02	1.15			
	1.00	1.00		1.02	1.15			
CHA54T°C	1.05	1.16	CCF60FCC+TXV03A	1.02	1.15			
	1.05	1.16						
CCA57F*C+TXV03A	1.05	1.16						
CCH48FCD+TXV03A	1.04	1.15						
CHH48TCD	1.04	1.15						
CCH60FCD+TXV03A	1.08	1.17						
CHH60TCD	1.08	1.17						

EXPANDED PERFORMANCE DATA

MODEL: VCA60B2*/JCCA60F*C

COOLING OPERATION

		Outdoor Ambient Temperature																												
		65				75				85				95				105				115								
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	59	63	67	71	
	2250	MBh	57.0	59.1	64.7	-	55.7	57.7	63.2	-	54.4	56.3	61.7	-	53.0	55.0	60.2	-	50.4	52.2	57.2	-	46.7	48.4	53.0	-	46.7	48.4	53.0	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-
		KW	4.47	4.59	4.75	-	4.88	5.00	5.19	-	5.23	5.37	5.57	-	5.55	5.69	5.90	-	5.82	5.96	6.19	-	6.05	6.20	6.43	-	6.05	6.20	6.43	-
		AMPS	19.1	19.6	20.2	-	20.7	21.2	21.9	-	22.5	23.1	23.9	-	24.1	24.7	25.6	-	25.7	26.3	27.2	-	27.3	27.9	28.9	-	27.3	27.9	28.9	-
	1900	HI PR	168	181	191	-	189	203	215	-	215	231	244	-	245	263	278	-	275	296	313	-	304	327	346	-	304	327	346	-
		LO PR	60	64	70	-	64	68	74	-	66	70	77	-	69	74	81	-	73	77	84	-	75	80	87	-	75	80	87	-
		MBh	55.4	57.4	62.9	-	54.1	56.0	61.4	-	52.8	54.7	59.9	-	51.5	53.4	58.5	-	48.9	50.7	55.5	-	45.3	47.0	51.5	-	45.3	47.0	51.5	-
		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	-	0.79	0.66	0.46	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-
70	1900	KW	4.43	4.54	4.71	-	4.83	4.95	5.14	-	5.19	5.32	5.51	-	5.50	5.64	5.85	-	5.76	5.91	6.13	-	5.99	6.14	6.37	-	5.99	6.14	6.37	-
		AMPS	18.9	19.4	20.1	-	20.5	21.0	21.7	-	22.3	22.9	23.6	-	23.9	24.5	25.3	-	25.5	26.1	27.0	-	27.0	27.7	28.6	-	27.0	27.7	28.6	-
		HI PR	167	179	189	-	187	201	213	-	213	229	242	-	242	261	275	-	273	293	310	-	301	324	342	-	301	324	342	-
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	74	79	86	-	74	79	86	-
	1750	MBh	54.5	56.5	61.9	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	50.7	52.6	57.6	-	48.2	49.9	54.7	-	44.6	46.3	50.7	-	44.6	46.3	50.7	-
		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	-	0.76	0.64	0.44	-
		Delta T	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-
		KW	4.36	4.47	4.64	-	4.76	4.87	5.05	-	5.10	5.23	5.43	-	5.41	5.54	5.75	-	5.67	5.81	6.03	-	5.89	6.04	6.27	-	5.89	6.04	6.27	-
		AMPS	18.6	19.1	19.7	-	20.2	20.7	21.4	-	22.0	22.5	23.3	-	23.5	24.1	24.9	-	25.0	25.7	26.5	-	26.6	27.2	28.2	-	26.6	27.2	28.2	-
75	2250	HI PR	164	176	186	-	184	198	209	-	209	225	238	-	238	256	271	-	268	288	305	-	296	319	336	-	296	319	336	-
		LO PR	59	62	68	-	62	66	72	-	64	68	75	-	68	72	78	-	71	75	82	-	73	78	85	-	73	78	85	-
	1900	MBh	58.0	59.7	64.6	69.3	56.6	58.3	63.1	67.7	55.3	56.9	61.6	66.1	53.9	55.5	60.1	64.5	51.2	52.8	57.1	61.3	47.5	48.9	52.9	56.8	47.5	48.9	52.9	56.8
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41
		Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	18	17	14	10
		KW	4.52	4.63	4.80	4.98	4.92	5.05	5.23	5.43	5.28	5.42	5.62	5.83	5.60	5.74	5.96	6.18	5.87	6.02	6.25	6.48	6.11	6.26	6.50	6.74	6.11	6.26	6.50	6.74
	1750	AMPS	19.3	19.8	20.4	21.2	20.9	21.4	22.1	23.0	22.7	23.3	24.1	25.0	24.3	24.9	25.8	26.8	25.9	26.6	27.5	28.6	27.5	28.2	29.2	30.3	27.5	28.2	29.2	30.3
		HI PR	170	183	193	202	191	205	217	226	217	234	247	257	247	266	281	293	278	299	316	330	307	331	349	364	307	331	349	364
		LO PR	61	65	71	75	64	68	75	79	67	71	77	83	70	75	81	87	73	78	85	91	76	81	88	94	76	81	88	94
		MBh	56.3	58.0	62.7	67.3	55.0	56.6	61.3	65.8	53.7	55.3	59.8	64.2	52.4	53.9	58.4	62.6	49.7	51.2	55.4	59.5	46.1	47.4	51.4	55.1	46.1	47.4	51.4	55.1
		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	0.90	0.81	0.61	0.39
75	2250	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	20	18	15	10
		KW	4.47	4.59	4.76	4.93	4.88	5.00	5.19	5.38	5.24	5.37	5.57	5.78	5.55	5.69	5.90	6.13	5.82	5.96	6.19	6.42	6.05	6.20	6.43	6.68	6.05	6.20	6.43	6.68
		AMPS	19.1	19.6	20.2	21.0	20.7	21.2	21.9	22.8	22.5	23.1	23.9	24.8	24.1	24.7	25.6	26.5	25.7	26.3	27.2	28.3	27.3	27.9	28.9	30.0	27.3	27.9	28.9	30.0
		HI PR	168	181	191	200	189	203	215	224	215	231	244	255	245	263	278	290	275	296	313	326	304	327	346	361	304	327	346	361
		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	75	80	87	93
	1900	MBh	55.4	57.1	61.8	66.3	54.2	55.8	60.4	64.8	52.9	54.4	58.9	63.2	51.6	53.1	57.5	61.7	49.0	50.4	54.6	58.6	45.4	46.7	50.6	54.3	45.4	46.7	50.6	54.3
		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	0.87	0.78	0.59	0.38
75	2250	Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11
		KW	4.40	4.51	4.68	4.85	4.80	4.92	5.10	5.30	5.15	5.28	5.48	5.68	5.46	5.60	5.81	6.03	5.72	5.87	6.09	6.32	5.95	6.10	6.33	6.57	5.95	6.10	6.33	6.57
		AMPS	18.8	19.3	19.9	20.7	20.4	20.9	21.6	22.4	22.2	22.7	23.5	24.4	23.7	24.3	25.1	26.1	25.3	25.9	26.8	27.8	26.8	27.5	28.4	29.5	26.8	27.5	28.4	29.5
		HI PR	166	178	188	196	186	200	211	220	211	227	240	250	241	259	273	285	271	291	308	321	299	322	340	355	299	322	340	355
		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	74	79	86	91
	1750	MBh	58.0	59.7	64.6	69.3	56.6	58.3	63.1	67.7	55.3	56.9	61.6	66.1	53.9	55.5	60.1	64.5	51.2	52.8	57.1	61.3	47.5	48.9	52.9	56.8	47.5	48.9	52.9	56.8
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41
		Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	18	17	14	10
		KW	4.52	4.63	4.80	4.98	4.92	5.05	5.23	5.43	5.28	5.42	5.62	5.83	5.60	5.74	5.96	6.18	5.87	6.02	6.25	6.48	6							

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA60B2*/ICCA60F*C

COOLING OPERATION

		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
IDB*	Airflow	Entering Indoor Wet Bulb Temperature																																			
80	2250	MBh	59.0	60.3	64.4	68.9	57.6	58.9	62.9	67.3	56.3	57.5	61.4	65.7	54.9	56.1	59.9	64.1	52.1	53.3	56.9	60.9	48.3	49.4	52.7	56.4											
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59											
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	15	20	20	17	14											
		KW	4.56	4.67	4.85	5.03	4.97	5.10	5.28	5.48	5.33	5.47	5.67	5.89	5.66	5.80	6.02	6.24	5.93	6.08	6.31	6.55	6.16	6.32	6.56	6.81											
		AMPS	19.5	19.9	20.6	21.4	21.1	21.6	22.3	23.2	23.0	23.5	24.3	25.3	24.6	25.2	26.0	27.0	26.2	26.8	27.8	28.8	27.8	28.5	29.5	30.6											
	HI PR	172	185	195	204	193	207	219	229	219	236	249	260	250	269	284	296	281	302	319	333	310	334	353	368												
	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												
	1900	MBh	57.3	58.5	62.5	66.9	56.0	57.2	61.1	65.3	54.6	55.8	59.6	63.7	53.3	54.5	58.2	62.2	50.6	51.7	55.3	59.1	46.9	47.9	51.2	54.7											
		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	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		4.52	4.63	4.80	4.98	4.92	5.05	5.24	5.43	5.29	5.42	5.62	5.83	5.60	5.74	5.96	6.19	5.87	6.02	6.25	6.48	6.11	6.26	6.50	6.74												
AMPS		19.3	19.8	20.4	21.2	20.9	21.4	22.1	23.0	22.7	23.3	24.1	25.0	24.3	24.9	25.8	26.8	25.9	26.6	27.5	28.6	27.5	28.2	29.2	30.3												
1750	HI PR	170	183	193	202	191	205	217	226	217	234	247	257	247	266	281	293	278	299	316	330	307	331	349	364												
	LO PR	61	65	71	75	64	68	75	79	67	71	77	83	70	75	81	87	73	78	85	91	76	81	88	94												
	MBh	56.4	57.7	61.6	65.9	55.1	56.3	60.2	64.3	53.8	55.0	58.7	62.8	52.5	53.6	57.3	61.3	49.9	51.0	54.4	58.2	46.2	47.2	50.4	53.9												
	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	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15												
	1750	KW	4.45	4.56	4.72	4.90	4.85	4.97	5.15	5.35	5.20	5.33	5.53	5.74	5.51	5.65	5.86	6.09	5.78	5.92	6.15	6.38	6.01	6.16	6.39	6.63											
		AMPS	19.0	19.5	20.1	20.9	20.6	21.1	21.8	22.6	22.4	22.9	23.7	24.6	24.0	24.6	25.4	26.4	25.5	26.2	27.1	28.1	27.1	27.8	28.7	29.8											
		HI PR	167	180	190	198	188	202	213	222	213	230	243	253	243	262	276	288	273	294	311	324	302	325	343	358											
		LO PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92											

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA
MODEL: VCA60B2* / CCA60F*C

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
CCA57F*C	0.99	1.11	CCF60FCC+TXV03A	0.97	1.09			
CCA57F*C+TXV03A	0.99	1.11	CCA57FCC+BBA60	1.00	1.12			
CHA57T*C	1.00	1.11	CCA57FCC+BBA60+TXV03A	1.00	1.13			
CCA60F*C HSVTC	1.00	1.11	CHA57TCC+BBA60	1.01	1.13			
CCA60F*C+TXV03A	1.00	1.11	CCA60FCC+BBA60	1.01	1.13			
CHA60T*C	1.03	1.13	CCA60FCC+BBA60+TXV03A	1.01	1.13			
CCH48FCC,D	1.00	1.11	CHA60TCC+BBA60	1.02	1.13			
CCH48FCD+TXV03A	1.00	1.11	CHF48TCC+BBA60	0.96	1.10			
CHH48TCC,D	1.00	1.11	CCF60FCC+BBA60	0.96	1.10			
CCH60FCC,D	1.03	1.12	CCF60FCC+BBA60+TXV03A	0.96	1.10			
CCH60FCD+TXV03A	1.03	1.12						
CHH60TCC,D	1.03	1.12						
CHF48TCC	0.97	1.09						
CCF60FCC	0.97	1.09						

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA60B3*/CCA60F*C+TXV

COOLING OPERATION

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
IDB*	Airflow	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	71	59	63	67	71	59	63	67	71	71	
2250	MBh	58.7	60.9	66.7	-	-	57.4	59.5	65.1	-	-	56.0	58.0	63.6	-	-	54.6	56.6	62.0	-	-	51.9	53.8	58.9	-	-	48.1	49.8	54.6	-	-
	S/T	0.72	0.60	0.42	-	-	0.75	0.63	0.43	-	-	0.77	0.64	0.44	-	-	0.79	0.66	0.46	-	-	0.82	0.69	0.48	-	-	0.83	0.69	0.48	-	-
	Delta T	17	15	11	-	-	18	15	12	-	-	18	15	12	-	-	18	15	12	-	-	17	15	11	-	-	16	14	11	-	-
	KW	4.39	4.50	4.67	-	-	4.79	4.91	5.09	-	-	5.14	5.26	5.46	-	-	5.44	5.58	5.79	-	-	5.70	5.85	6.07	-	-	5.93	6.08	6.31	-	-
	AMPS	12.8	13.1	13.5	-	-	13.8	14.2	14.6	-	-	15.0	15.4	15.9	-	-	16.0	16.4	16.9	-	-	17.0	17.4	18.0	-	-	18.0	18.5	19.1	-	-
	HI PR	167	180	190	-	-	188	202	213	-	-	213	230	242	-	-	243	262	276	-	-	273	294	311	-	-	302	325	343	-	-
	LO PR	59	63	69	-	-	62	66	72	-	-	65	69	75	-	-	68	72	79	-	-	71	76	83	-	-	74	79	86	-	-
	MBh	57.0	59.1	64.8	-	-	55.7	57.7	63.3	-	-	54.4	56.4	61.7	-	-	53.0	55.0	60.2	-	-	50.4	52.2	57.2	-	-	46.7	48.4	53.0	-	-
1900	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	19	16	13	-	-	19	17	13	-	-	19	17	13	-	-	19	17	13	-	-	19	17	13	-	-	18	15	12	-	-
	KW	4.35	4.46	4.62	-	-	4.74	4.86	5.04	-	-	5.09	5.22	5.41	-	-	5.39	5.53	5.73	-	-	5.65	5.79	6.01	-	-	5.87	6.02	6.25	-	-
	AMPS	12.7	13.0	13.4	-	-	13.7	14.0	14.5	-	-	14.9	15.2	15.7	-	-	15.9	16.3	16.8	-	-	16.9	17.3	17.9	-	-	17.9	18.3	18.9	-	-
	HI PR	166	178	188	-	-	186	200	211	-	-	211	227	240	-	-	241	259	273	-	-	271	291	308	-	-	299	322	340	-	-
	LO PR	58	62	68	-	-	62	66	72	-	-	64	68	75	-	-	67	72	78	-	-	71	75	82	-	-	73	78	85	-	-
	MBh	56.2	58.2	63.8	-	-	54.9	56.9	62.3	-	-	53.6	55.5	60.8	-	-	52.3	54.2	59.3	-	-	49.6	51.4	56.4	-	-	46.0	47.7	52.2	-	-
	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	-	-
1750	Delta T	20	17	13	-	-	20	17	13	-	-	20	17	13	-	-	20	17	13	-	-	20	17	13	-	-	18	16	12	-	-
	KW	4.28	4.39	4.55	-	-	4.67	4.78	4.96	-	-	5.01	5.13	5.32	-	-	5.31	5.44	5.64	-	-	5.56	5.70	5.91	-	-	5.78	5.93	6.15	-	-
	AMPS	12.5	12.8	13.2	-	-	13.5	13.8	14.3	-	-	14.6	15.0	15.5	-	-	15.6	16.0	16.5	-	-	16.6	17.0	17.6	-	-	17.6	18.0	18.6	-	-
	HI PR	163	175	185	-	-	183	196	207	-	-	208	223	236	-	-	237	255	269	-	-	266	286	302	-	-	294	316	334	-	-
	LO PR	57	61	67	-	-	61	65	71	-	-	63	67	73	-	-	66	71	77	-	-	69	74	81	-	-	72	76	83	-	-
	MBh	55.0	56.8	61.5	-	-	53.7	55.5	60.2	-	-	52.4	54.2	58.8	-	-	51.1	52.9	57.4	-	-	49.8	51.6	56.1	-	-	46.5	48.1	52.6	-	-
	S/T	0.70	0.60	0.42	-	-	0.72	0.61	0.42	-	-	0.74	0.62	0.43	-	-	0.77	0.64	0.45	-	-	0.80	0.67	0.46	-	-	0.82	0.69	0.48	-	-
	Delta T	19	16	13	-	-	19	17	13	-	-	19	17	13	-	-	19	17	13	-	-	19	17	13	-	-	18	15	12	-	-

EXPANDED PERFORMANCE DATA

MODEL: VCA60B3*/CCA60F*C+TXV

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature										105										115				
		65										75					85					95				
												Entering Indoor Wet Bulb Temperature														
2250	MBh	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
	S/T	60.8	62.1	66.4	70.9	59.4	60.7	64.8	69.3	58.0	59.2	63.3	67.6	56.6	57.8	61.7	66.0	53.7	54.9	58.7	62.7	49.8	50.9	54.3	58.1	
	Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14	
	KW	4.48	4.59	4.76	4.93	4.88	5.00	5.19	5.38	5.23	5.37	5.56	5.77	5.55	5.69	5.90	6.12	5.81	5.96	6.18	6.42	6.04	6.20	6.43	6.67	
	AMPS	13.0	13.3	13.8	14.3	14.1	14.4	14.9	15.4	15.3	15.6	16.2	16.8	16.3	16.7	17.3	17.9	17.3	17.8	18.4	19.1	18.4	18.8	19.4	20.2	
	HI PR	171	184	194	202	191	206	218	227	218	234	247	258	248	267	282	294	279	300	317	331	308	332	350	365	
	LO PR	60	64	70	75	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93	
	1900	MBh	59.0	60.3	64.4	68.9	57.7	58.9	62.9	67.3	56.3	57.5	61.4	65.7	54.9	56.1	59.9	64.1	52.2	53.3	56.9	60.9	48.3	49.4	52.7	56.4
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		25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15	
KW		4.44	4.55	4.71	4.89	4.83	4.95	5.14	5.33	5.19	5.32	5.51	5.72	5.50	5.63	5.84	6.06	5.76	5.91	6.13	6.36	5.99	6.14	6.37	6.61	
AMPS		12.9	13.2	13.7	14.2	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.2	16.6	17.1	17.7	17.2	17.6	18.2	18.9	18.2	18.6	19.3	20.0	
HI PR		169	182	192	200	190	204	215	225	216	232	245	255	246	264	279	291	276	297	314	327	305	328	347	362	
LO PR		60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	
1750		MBh	58.1	59.4	63.5	67.8	56.8	58.0	62.0	66.3	55.4	56.6	60.5	64.7	54.1	55.3	59.0	63.1	51.4	52.5	56.1	60.0	47.6	48.6	52.0	55.5
	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	17	26	25	21	17	26	25	21	17	26	25	22	17	25	24	21	17	24	23	20	16	
	KW	4.37	4.47	4.64	4.81	4.76	4.88	5.06	5.24	5.10	5.23	5.42	5.63	5.41	5.54	5.75	5.97	5.67	5.81	6.03	6.26	5.89	6.04	6.27	6.50	
	AMPS	12.7	13.0	13.4	13.9	13.7	14.1	14.5	15.1	14.9	15.3	15.8	16.3	15.9	16.3	16.8	17.5	16.9	17.3	17.9	18.6	17.9	18.4	19.0	19.7	
	HI PR	166	179	189	197	186	201	212	221	212	228	241	251	241	260	274	286	272	292	309	322	300	323	341	356	
	LO PR	59	62	68	73	62	66	72	77	64	68	75	80	68	72	79	84	71	75	82	88	73	78	85	91	

2250	MBh	61.9	63.1	66.0	70.5	60.4	61.6	64.5	68.8	59.0	60.1	63.0	67.2	57.5	58.7	61.4	65.5	54.7	55.7	58.4	62.3	50.6	51.6	54.1	57.7
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	Delta T	24	23	22	19	24	24	22	19	24	24	23	19	24	24	23	20	22	23	22	19	21	21	21	18
	KW	4.52	4.63	4.80	4.98	4.92	5.05	5.23	5.43	5.28	5.42	5.62	5.83	5.60	5.74	5.95	6.18	5.87	6.02	6.24	6.48	6.10	6.26	6.49	6.74
	AMPS	13.2	13.5	13.9	14.4	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.5	16.9	17.4	18.1	17.5	17.9	18.5	19.2	18.5	19.0	19.6	20.4
	HI PR	172	185	196	204	193	208	220	229	220	237	250	261	250	270	285	297	282	303	320	334	311	335	354	369
	LO PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	85	91	76	81	88	94
1900	MBh	60.1	61.2	64.1	68.4	58.7	59.8	62.6	66.8	57.3	58.4	61.1	65.2	55.9	56.9	59.6	63.6	53.1	54.1	56.7	60.4	49.2	50.1	52.5	56.0
	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	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
	KW	4.48	4.59	4.76	4.93	4.88	5.00	5.19	5.38	5.23	5.37	5.56	5.77	5.55	5.69	5.90	6.12	5.81	5.96	6.18	6.42	6.04	6.20	6.43	6.67
	AMPS	13.0	13.3	13.8	14.3	14.1	14.4	14.9	15.4	15.3	15.6	16.2	16.8	16.3	16.7	17.3	17.9	17.3	17.8	18.4	19.1	18.4	18.8	19.4	20.2
	HI PR	171	184	194	202	191	206	218	227	218	234	247	258	248	267	282	294	279	300	317	331	308	332	350	365
	LO PR	60	64	70	75	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93
1750	MBh	59.2	60.3	63.2	67.4	57.8	58.9	61.7	65.8	56.4	57.5	60.2	64.2	55.0	56.1	58.7	62.7	52.3	53.3	55.8	59.5	48.4	49.4	51.7	55.2
	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	0.96	0.86	0.70	1.00	0.96	0.87	0.71
	Delta T	27	27	25	22	27	27	25	22	27	27	25	22	28	27	26	22	27	27	25	22	25	25	24	20
	KW	4.41	4.52	4.68	4.86	4.80	4.92	5.10	5.29	5.15	5.28	5.48	5.68	5.46	5.60	5.80	6.02	5.72	5.87	6.08	6.31	5.95	6.10	6.33	6.57
	AMPS	12.8	13.1	13.6	14.1	13.9	14.2	14.6	15.2	15.0	15.4	15.9	16.5	16.1	16.4	17.0	17.6	17.1	17.5	18.1	18.8	18.1	18.5	19.1	19.9
	HI PR	168	180	191	199	188	203	214	223	214	230	243	254	244	262	277	289	274	295	312	325	303	326	344	359
	LO PR	59	63	69	73	63	67	73	77	65	69	76	80	68	73	79	84	72	76	83	89	74	79	86	92

PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: VCA60B3* / CCA60F*C+TXV

Multipliers for Cooling Expanded Performance Data with Mix Matched Indoor Sections

Indoor Section	Cap	Power	Indoor Section	Cap	Power	Indoor Section	Cap	Power
	1.00	1.12						
CCA60F*C+TXV03A	1.00	1.12						
CHA60T*C	1.01	1.13						
	1.01	1.12						
CCH60FCD+TXV03A	1.01	1.12						
CHH60TCD	1.01	1.12						
CHF48TCC	0.95	1.09						
	0.95	1.09						
CCF60FCC+TXV03A	0.95	1.09						
	0.99	1.11						
CCF61FCC+TXV03A	0.99	1.11						
CHF60TCC	0.99	1.11						

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.

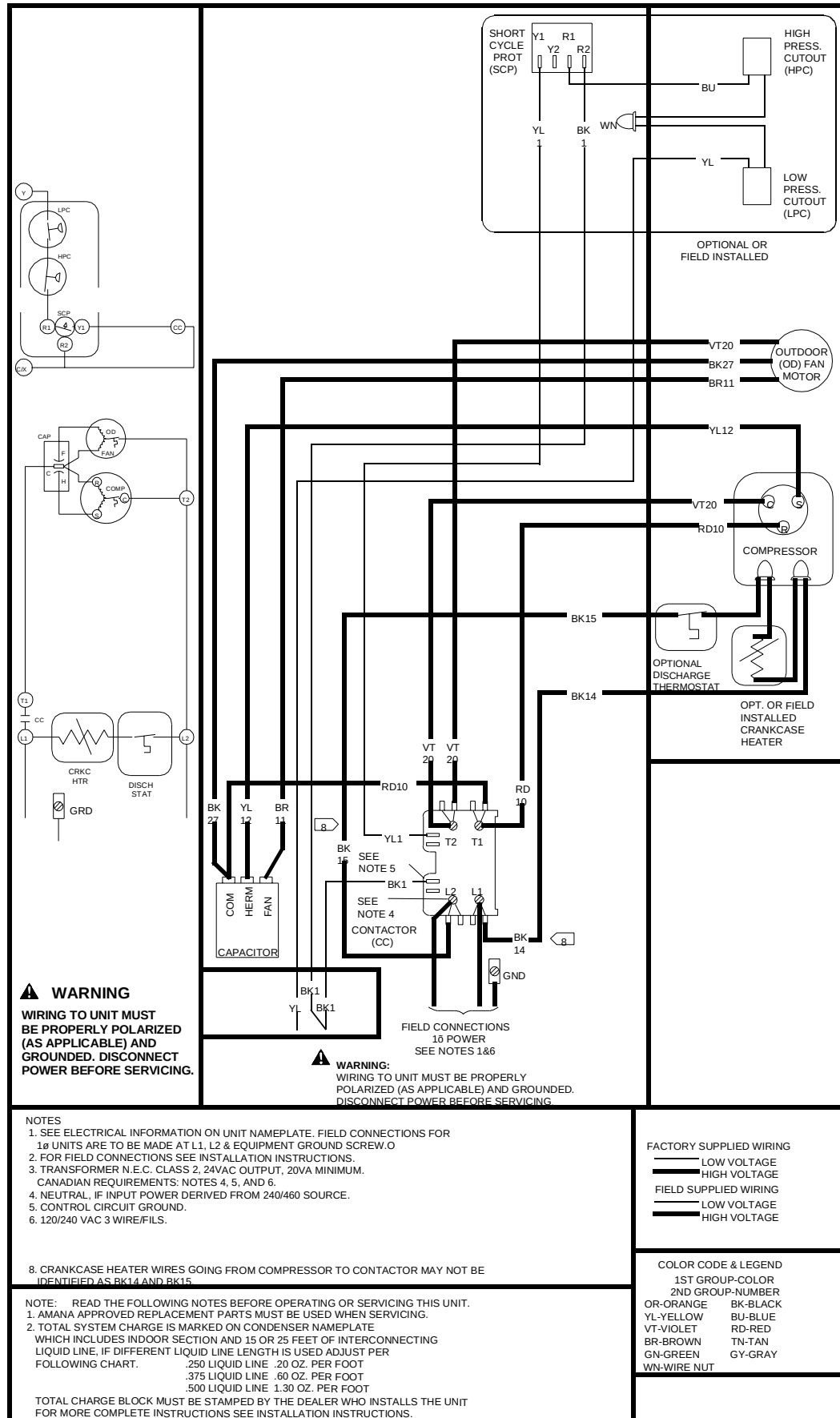
A properly operating unit should be within plus or minus **3 degrees** of the typical (ΔT) value shown.

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

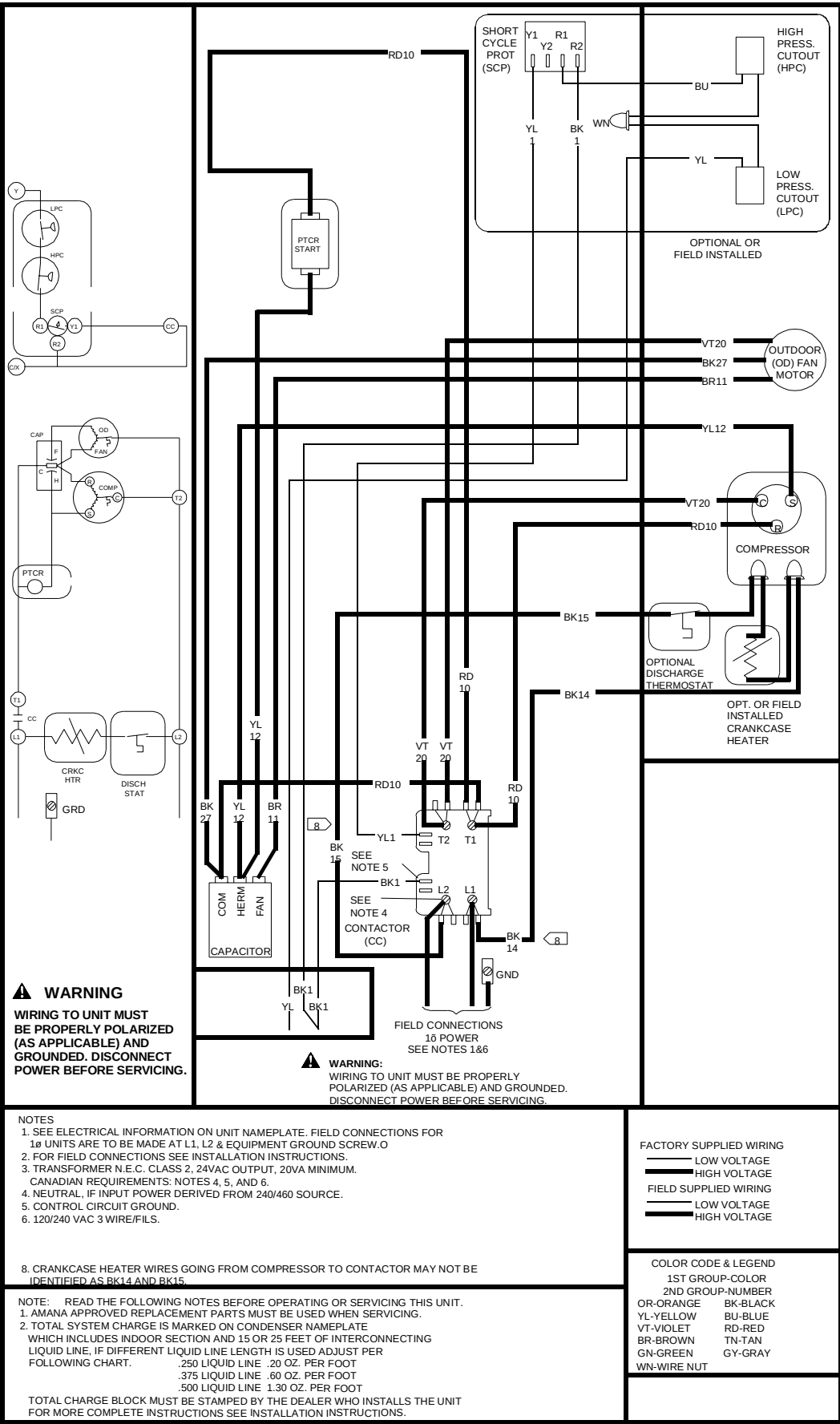


TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY, OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

WARNING

VCA18-42B2*

WIRING DIAGRAMS

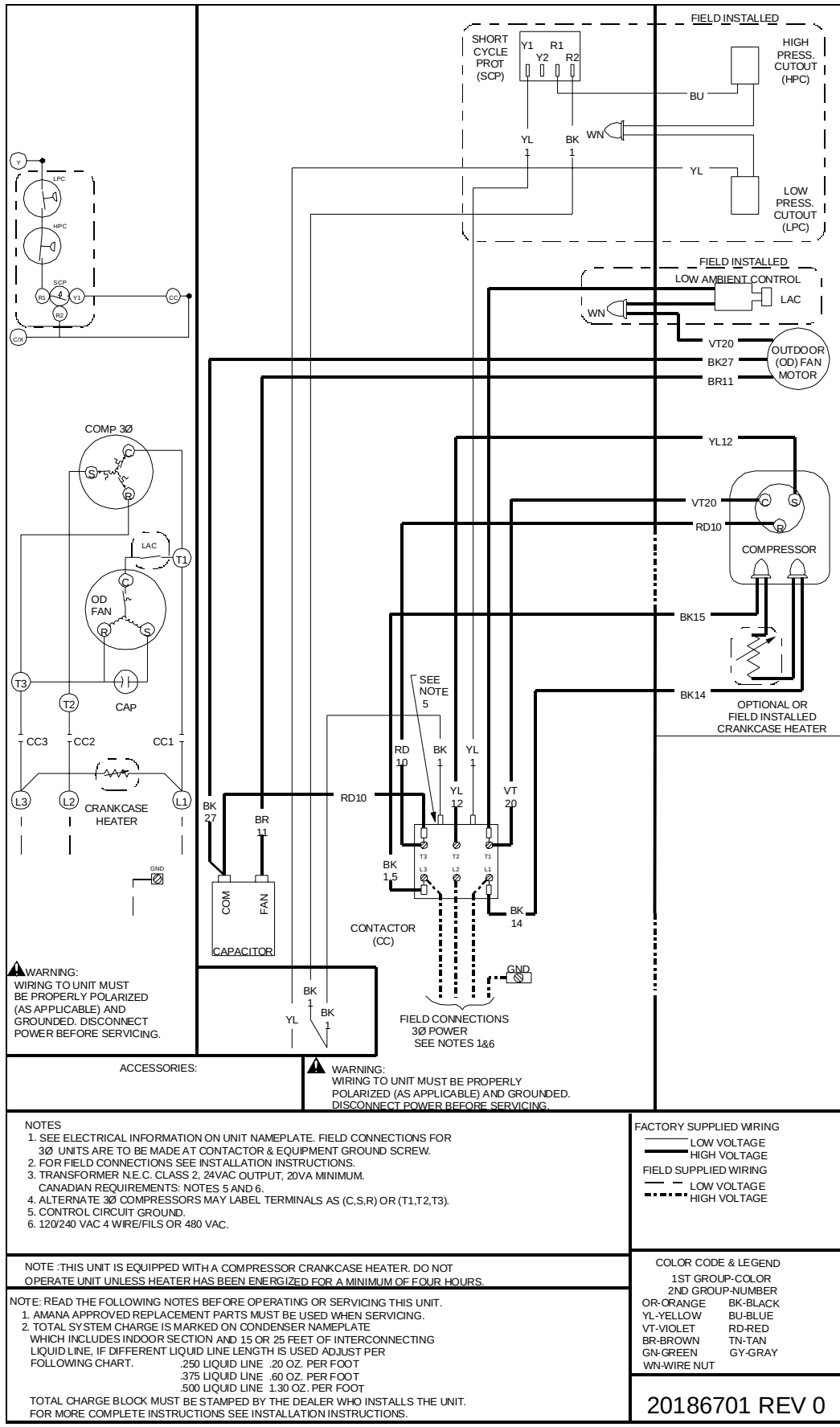


TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY, OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

WARNING

VCA48-60B2*

WIRING DIAGRAMS



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



VCA36-60B3*