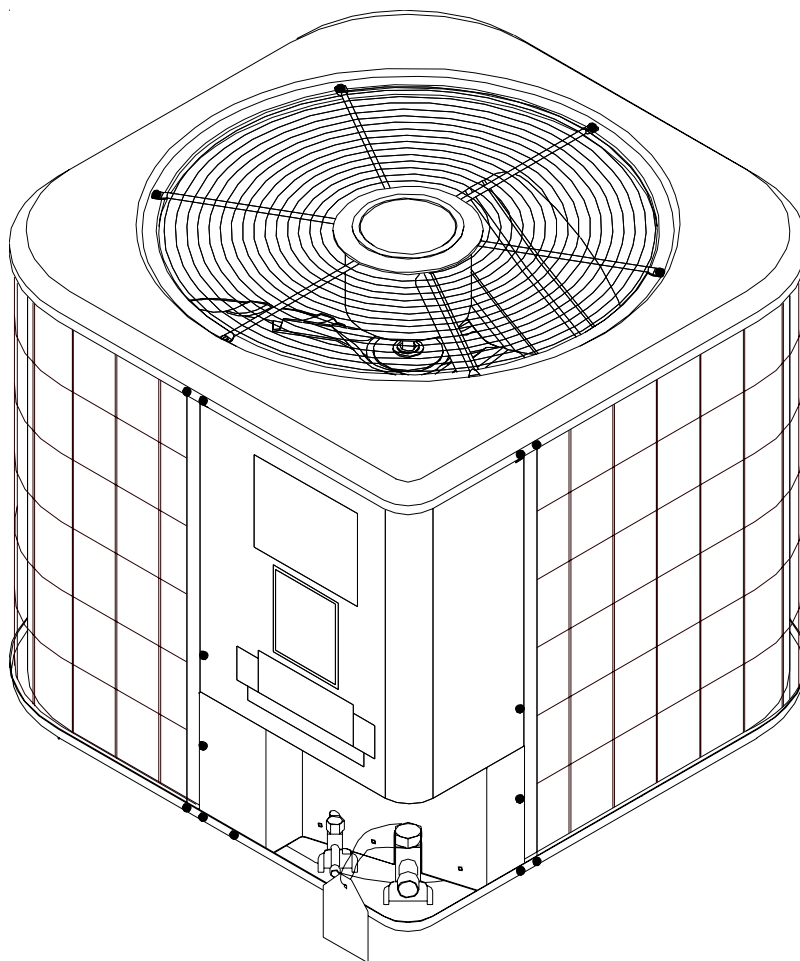


TECHNICAL INFORMATION MANUAL

VHC__C2 [A/B/C/D] Remote Heat Pumps

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



Model and Manufacturing numbers listed in this manual.

MODEL	M/N
VHC18C2A	P1247401C
VHC24C2A	P1247402C
VHC30C2A	P1247403C
VHC36C2A	P1247404C
VHC42C2A	P1247405C
VHC48C2A	P1247406C
VHC60C2A	P1247407C
VHC18C2B	P1246307C
VHC24C2B	P1247412C
VHC30C2B	P1247408C
VHC36C2B	P1247415C
VHC42C2B	P1247414C
VHC18C2C	P1246312C
VHC24C2C	P1247416C
VHC30C2C	P1247417C
VHC36C2C	P1247418C
VHC42C2C	P1247419C
VHC48C2C	P1247420C
VHC60C2C	P1247421C
VHC48C2D	P1247422C
VHC60C2D	P1247423C

Heating & Air Conditioning
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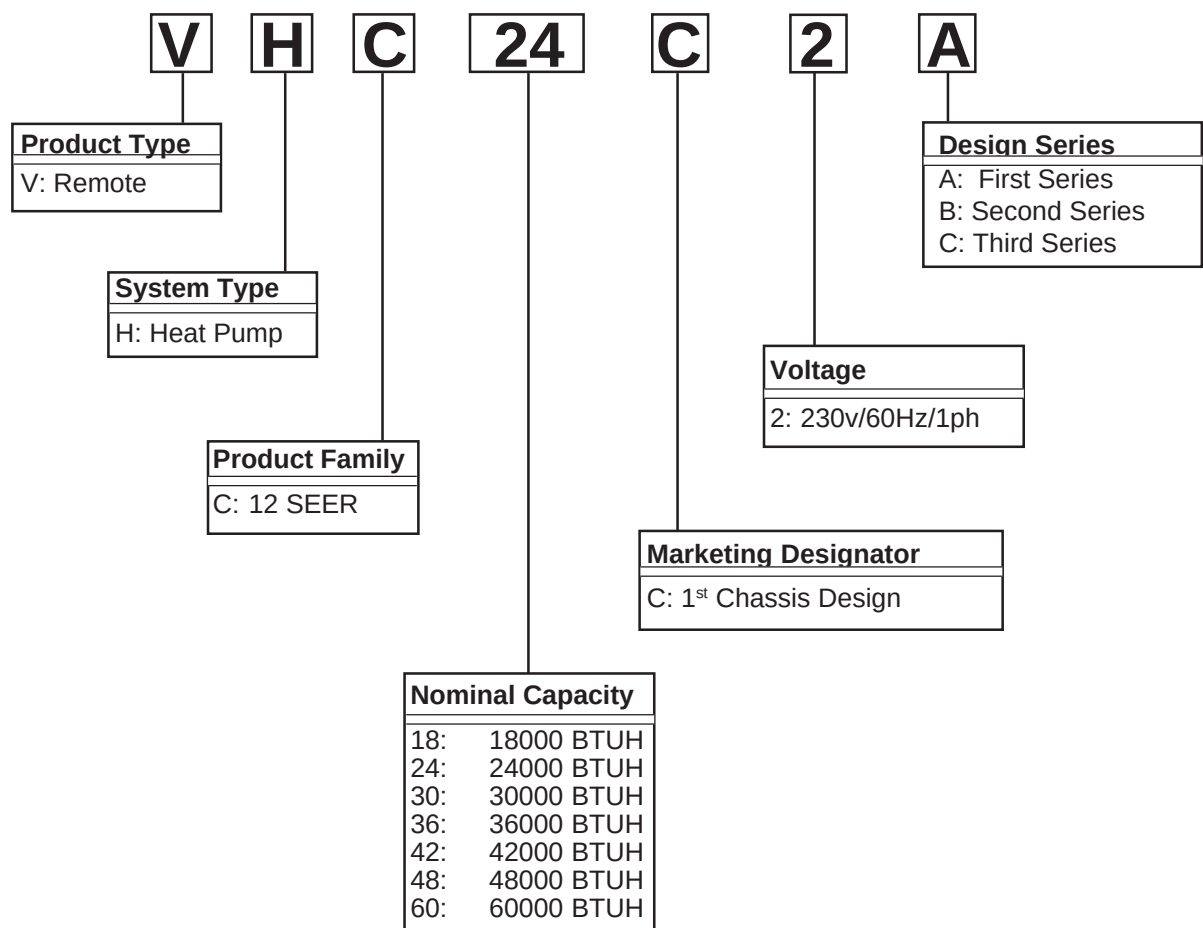
This manual is to be used by qualified HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures performed by an unqualified person.

RT6212001 Rev. 1
February 2005

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PRODUCT IDENTIFICATION

The model and manufacturing number are used for positive identification of component parts used in manufacturing. It is very important to have these numbers when requesting service or parts information.



**WARNING**

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

**CAUTION**

GOODMAN WILL NOT ASSUME RESPONSIBILITY 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

CONDENSING UNIT

The VHC Remote Heat Pumps are made in 1.5 through 5 ton sizes. They are designed for dual voltage (208-230VAC) single phase applications.

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

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

The suction and liquid line connections are of the sweat type for field piping with refrigerant type copper. Non-back seating valves are factory installed to accept the field run copper. The total refrigerant charge for a normal installation is factory installed in the condensing unit. This charge is for the matching evaporator coil and a 15 foot refrigerant line set.

Refrigerant line sizes listed in the Condensing Unit Specifications are for 50 feet or less. The maximum length of refrigerant lines is 50 feet with no more than a 20 foot vertical rise.

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

OUTDOOR UNIT

ORIFICE SIZING CHART

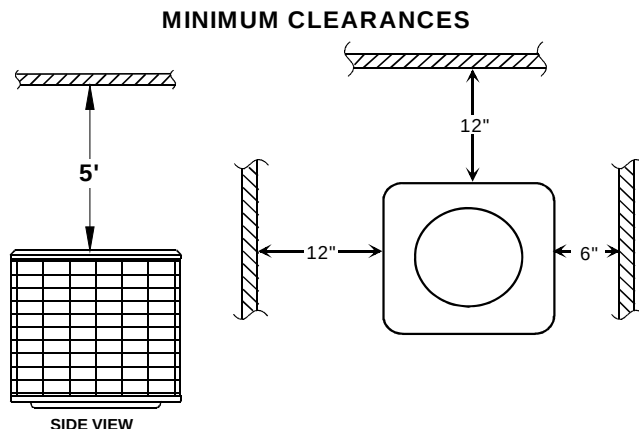
OUTDOOR UNIT	ORIFICE SIZE Chatleff ROK_A Kits
VHC18C2A	0.055
VHC24C2A	0.065
VHC30C2A	0.065
VHC36C2A	0.076
VHC42C2 [A/C]	0.078
VHC48C2 [A/C/D]	0.084
VHC60C2 [A/C]	0.093

VHC18C2 [B/C]	0.057
VHC24C2 [B/C]	0.061
VHC30C2 [B/C]	0.067
VHC36C2 [B/C]	0.073
VHC42C2B	0.078

VHC60C2D	0.098
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Note: Whenever mix-matching systems, the indoor orifice must be matched to the condensing unit for proper operation.

PRODUCT DESIGN



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

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

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

DO **NOT** locate the unit:

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

Outdoor Unit	Footprint Square (in ²)	Unit Height (in ²)
VHC18C2A	29 1/2	26
VHC24C2A	29 1/2	26
VHC30C2A	29 1/2	34
VHC36C2A	29 1/2	30
VHC42C2A	29 1/2	30
VHC48C2 [A/C]	29 1/2	34
VHC60C2 [A/C]	35 5/8	34

Outdoor Unit	Footprint Square (in ²)	Unit Height (in ²)
VHC18C2 [B/C]	22 1/2	32
VHC24C2 [B/C]	29 1/2	26
VHC30C2 [B/C]	29 1/2	34
VHC36C2 [B/C]	29 1/2	38
VHC42C2 [B/C]	29 1/2	38

Outdoor Unit	Footprint Square (in ²)	Unit Height (in ²)
VHC48C2D	35 5/8	38
VHC60C2D	35 5/8	38

CONDENSING UNIT SPECIFICATIONS

	VHC18C2A	VHC24C2A	VHC30C2A	VHC36C2A	VHC42C2A	VHC48C2A	VHC60C2A
Cooling Capacity, BTUH	18,000	24,000	29,000	35,600	41,500	44,000	55,500
Compressor							
R.L. Amps	8.60	11.50	14.7	14.9	17.2	18.3	26
L.R. Amps	48	60	74	79	87	109	169
Condenser Fan Motor							
Horsepower	1/6	1/6	1/6	1/4	1/4	1/4	1/3
R.L. Amps	0.9	0.9	0.9	1.5	1.5	1.5	2.3
L.R. Amps	2.1	2.1	2.1	3.3	3.3	3.3	3.6
Liquid Line, Inches O.D.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line, Inches O.D.	3/4	3/4	3/4	3/4	7/8	7/8	1 1/8
Refrigerant Charge	95	110	140	178	236	240	254
Design Subcooling Mode °F	7±2	7±2	7±2	7±2	7±2	7±2	7±2
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity	11.7	15.3	19.3	20.1	23.0	24.0	34.8
Maximum Overcurrent Device	20	25	30	35	40	40	60
Electrical Conduit Size							
Power Supply	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Low Voltage	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Approximate Shipping Weight	150	150	170	200	210	220	260

	VHC18C2B	VHC24C2B	VHC30C2B	VHC36C2B	VHC42C2B
Cooling Capacity, BTUH	18,000	24,000	29,000	35,600	41,500
Compressor					
R.L. Amps	9.36	11.54	13.5	16.03	17.95
L.R. Amps	49	60	73	88	104
Condenser Fan Motor					
Horsepower	1/6	1/6	1/6	1/4	1/4
R.L. Amps	1	0.9	0.9	1.5	1.5
L.R. Amps	1.8	2.1	2.1	3.3	3.3
Liquid Line, Inches O.D.	3/8	3/8	3/8	3/8	3/8
Suction Line, Inches O.D.	3/4	3/4	3/4	3/4	7/8
Refrigerant Charge	100	105	150	140	145
Design Subcooling Mode °F	7±2	7±2	7±2	7±2	7±2
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity	12.70	15.32	18	21.53	23.94
Maximum Overcurrent Device	20	25	30	35	40
Electrical 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
Approximate Shipping Weight	150	150	170	200	210

	VHC18C2C	VHC24C2C	VHC30C2C	VHC36C2C	VHC42C2C	VHC48C2C	VHC60C2C
Cooling Capacity, BTUH	18,000	24,000	29,000	35,600	41,500	44,000	55,500
Compressor							
R.L. Amps	9.36	9.81	13.5	16.03	17.95	18.3	26
L.R. Amps	49	56	73	88	104	109	169
Condenser Fan Motor							
Horsepower	1/6	1/6	1/6	1/4	1/4	1/4	1/3
R.L. Amps	1	0.9	0.9	1.5	1.5	1.5	2.3
L.R. Amps	1.8	2.1	2.1	3.3	3.3	3.3	3.6
Liquid Line, Inches O.D.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line, Inches O.D.	3/4	5/8	3/4	3/4	7/8	7/8	7/8
Refrigerant Charge	100	105	135	140	145	240	254
Design Subcooling Mode °F	7±2	7±2	7±2	7±2	7±2	7±2	7±2
Power Supply	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity	12.7	13.2	17.7	21.5	23.9	24.0	34.8
Maximum Overcurrent Device	20	20	30	35	40	40	60
Electrical Conduit Size							
Power Supply	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Low Voltage	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Approximate Shipping Weight	150	150	170	200	210	220	260

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

	VHC48C2D	VHC60C2D
Cooling Capacity, BTUH	44,000	55,500
Compressor		
R.L. Amps	18.33	26
L.R. Amps	109	169
Condenser Fan Motor		
Horsepower	1/4	1/4
R.L. Amps	1.5	1.5
L.R. Amps	3.3	3.3
Liquid Line, Inches O.D.	3/8	3/8
Suction Line, Inches O.D.	7/8	7/8
Refrigerant Charge	195	205
Design Subcooling Mode °F	7±2	7±2
Power Supply	208/230-60-1	208/230-60-1
Minimum Circuit Ampacity	24.4	34.0
Maximum Overcurrent Device	40	60
Electrical Conduit Size		
Power Supply	1/2 or 3/4	1/2 or 3/4
Low Voltage	1/2	1/2
Approximate Shipping Weight	150	210

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

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC18C2*/ CA*F025*2*/ MBR800 Conditions: 80 WB 67 DB @ 600 CFM

			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
70	713	MBh	18.3	18.9	20.7	-	17.8	18.5	20.3	-	17.4	18.0	19.8	-	17.0	17.6	19.3	-	16.1	16.7	18.3	-	14.9	15.5	17.0	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-
		Delta T	16	14	11	-	16	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
		KW	1.53	1.56	1.61	-	1.65	1.69	1.74	-	1.75	1.79	1.85	-	1.85	1.89	1.95	-	1.93	1.97	2.04	-	1.99	2.04	2.11	-
		AMPS	6.0	6.1	6.3	-	6.4	6.6	6.8	-	7.0	7.1	7.4	-	7.4	7.6	7.9	-	7.9	8.1	8.4	-	8.4	8.6	8.9	-
		HI PR	153	165	174	-	172	185	195	-	196	210	222	-	223	240	253	-	251	270	285	-	277	298	315	-
		LO PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-
	675	MBh	18.1	18.7	20.5	-	17.7	18.3	20.0	-	17.2	17.9	19.6	-	16.8	17.4	19.1	-	16.0	16.6	18.1	-	14.8	15.3	16.8	-
		S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.78	0.65	0.45	-
		Delta T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	1.53	1.56	1.61	-	1.65	1.68	1.74	-	1.75	1.79	1.85	-	1.84	1.88	1.95	-	1.92	1.96	2.03	-	1.99	2.03	2.10	-
		AMPS	5.9	6.1	6.3	-	6.4	6.6	6.8	-	7.0	7.1	7.4	-	7.4	7.6	7.9	-	7.9	8.1	8.4	-	8.4	8.6	8.8	-
		HI PR	153	164	174	-	171	184	195	-	195	210	222	-	222	239	252	-	250	269	284	-	276	297	314	-
		LO PR	62	65	71	-	65	69	75	-	68	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-
	591	MBh	16.7	17.3	18.9	-	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.5	16.1	17.6	-	14.7	15.3	16.7	-	13.7	14.2	15.5	-
		S/T	0.65	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.75	0.63	0.43	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	1.49	1.52	1.57	-	1.60	1.64	1.69	-	1.71	1.74	1.80	-	1.80	1.84	1.90	-	1.87	1.91	1.98	-	1.94	1.98	2.05	-
		AMPS	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.8	6.9	7.2	-	7.2	7.4	7.6	-	7.7	7.9	8.1	-	8.1	8.3	8.6	-
		HI PR	148	159	168	-	166	179	189	-	189	204	215	-	215	232	245	-	242	261	275	-	268	288	304	-
		LO PR	60	63	69	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-

75	713	MBh	18.6	19.1	20.7	22.2	18.1	18.7	20.2	21.7	17.7	18.2	19.7	21.2	17.3	17.8	19.2	20.7	16.4	16.9	18.3	19.6	15.2	15.6	16.9	18.2
		S/T	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		Delta T	19	17	14	10	19	18	14	10	19	18	14	10	19	18	14	10	19	17	14	10	18	16	13	9
		KW	1.54	1.58	1.63	1.68	1.66	1.70	1.75	1.81	1.77	1.81	1.87	1.93	1.86	1.90	1.97	2.03	1.94	1.99	2.05	2.12	2.01	2.06	2.13	2.20
		AMPS	6.0	6.1	6.3	6.6	6.5	6.6	6.9	7.1	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3
		HI PR	155	167	176	183	174	187	197	206	198	213	224	234	225	242	256	267	253	272	288	300	280	301	318	331
		LO PR	62	66	72	77	66	70	76	81	68	73	80	85	72	76	84	89	75	80	88	93	78	83	91	96
	675	MBh	18.4	18.9	20.5	22.0	18.0	18.5	20.0	21.5	17.5	18.0	19.5	21.0	17.1	17.6	19.1	20.5	16.2	16.7	18.1	19.4	15.0	15.5	16.8	18.0
		S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39
		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	1.54	1.57	1.62	1.67	1.66	1.70	1.75	1.81	1.76	1.80	1.86	1.93	1.86	1.90	1.96	2.03	1.94	1.98	2.05	2.12	2.01	2.05	2.12	2.19
		AMPS	6.0	6.1	6.3	6.6	6.5	6.6	6.8	7.1	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	8.0	8.2	8.4	8.7	8.4	8.6	8.9	9.3
		HI PR	154	166	175	183	173	186	197	205	197	212	224	233	224	241	255	266	252	272	287	299	279	300	317	330
		LO PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
	591	MBh	17.0	17.5	18.9	20.3	16.6	17.1	18.5	19.8	16.2	16.7	18.0	19.4	15.8	16.3	17.6	18.9	15.0	15.4	16.7	17.9	13.9	14.3	15.5	16.6
		S/T	0.74	0.66	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.85	0.76	0.58	0.37
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		KW	1.50	1.53	1.58	1.63	1.62	1.65	1.71	1.76	1.72	1.76	1.82	1.88	1.81	1.85	1.91	1.98	1.89	1.93	2.00	2.06	1.96	2.00	2.07	2.14
		AMPS	5.8	6.0	6.2	6.4	6.3	6.4	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	7.9	8.2	8.5	8.2	8.4	8.7	9.0
		HI PR	150	161	170	177	168	181	191	199	191	206	217	226	218	234	247	258	245	263	278	290	270	291	307	321
		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

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC18C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC18C2*/ CA*F025*2*/ MBR800 Conditions: 80 WB 67 DB @ 600 CFM

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
IDB*	Airflow																									
80	713	MBh	18.9	19.3	20.6	22.1	18.5	18.9	20.1	21.5	18.0	18.4	19.7	21.0	17.6	18.0	19.2	20.5	16.7	17.1	18.2	19.5	15.5	15.8	16.9	18.1
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.56
		Delta T	21	20	18	14	21	20	18	14	21	20	18	14	21	21	18	14	21	20	18	14	20	19	16	13
		KW	1.55	1.59	1.64	1.69	1.68	1.71	1.77	1.83	1.78	1.82	1.88	1.95	1.88	1.92	1.99	2.05	1.96	2.00	2.07	2.14	2.03	2.08	2.15	2.22
		AMPS	6.1	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.9	8.5	8.7	9.0	9.4
		HI PR	156	168	178	185	175	189	199	208	200	215	227	237	227	245	258	269	256	275	291	303	283	304	321	335
		LO PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97
	675	MBh	18.7	19.1	20.4	21.8	18.3	18.7	20.0	21.3	17.8	18.2	19.5	20.8	17.4	17.8	19.0	20.3	16.5	16.9	18.1	19.3	15.3	15.6	16.7	17.9
		S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	13
		KW	1.55	1.58	1.64	1.69	1.67	1.71	1.76	1.82	1.78	1.82	1.88	1.94	1.87	1.92	1.98	2.05	1.95	2.00	2.07	2.14	2.02	2.07	2.14	2.21
		AMPS	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334
		LO PR	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	78	84	91	97
	591	MBh	17.3	17.6	18.9	20.2	16.9	17.2	18.4	19.7	16.5	16.8	18.0	19.2	16.1	16.4	17.5	18.7	15.3	15.6	16.7	17.8	14.1	14.4	15.4	16.5
		S/T	0.82	0.76	0.62	0.47	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.71	0.53
		Delta T	22	21	18	15	22	21	18	15	22	21	19	15	22	21	19	15	22	21	18	15	21	20	17	14
		KW	1.51	1.55	1.60	1.65	1.63	1.67	1.72	1.78	1.74	1.77	1.83	1.89	1.83	1.87	1.93	1.99	1.90	1.95	2.01	2.08	1.97	2.02	2.08	2.16
		AMPS	5.9	6.0	6.2	6.4	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		HI PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	310	324
		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

85	713	MBh	19.2	19.6	20.5	21.9	18.8	19.1	20.0	21.4	18.3	18.7	19.6	20.9	17.9	18.2	19.1	20.4	17.0	17.3	18.1	19.4	15.7	16.0	16.8	17.9
		S/T	0.90	0.87	0.79	0.64	0.94	0.90	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.90	0.73
		Delta T	22	22	21	18	23	22	21	18	23	22	21	18	23	23	21	18	22	22	21	18	20	21	20	17
		KW	1.57	1.60	1.65	1.71	1.69	1.73	1.78	1.84	1.80	1.84	1.90	1.96	1.89	1.94	2.00	2.07	1.98	2.02	2.09	2.16	2.05	2.09	2.16	2.24
		AMPS	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5
		HI PR	158	170	179	187	177	191	201	210	202	217	229	239	230	247	261	272	258	278	293	306	285	307	324	338
		LO PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98
	675	MBh	19.0	19.4	20.3	21.7	18.6	19.0	19.9	21.2	18.2	18.5	19.4	20.7	17.7	18.1	18.9	20.2	16.8	17.1	18.0	19.2	15.6	15.9	16.6	17.7
		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	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72
		Delta T	23	23	21	18	23	23	22	19	23	23	22	19	23	23	22	19	23	23	21	19	21	21	20	17
		KW	1.56	1.60	1.65	1.70	1.69	1.72	1.78	1.84	1.79	1.83	1.89	1.96	1.89	1.93	2.00	2.06	1.97	2.02	2.08	2.15	2.04	2.09	2.16	2.23
		AMPS	6.1	6.2	6.4	6.7	6.6	6.7	7.0	7.2	7.1	7.3	7.6	7.8	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4
		HI PR	157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	257	277	293	305	284	306	323	337
		LO PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	82	89	95	79	84	92	98
	591	MBh	17.6	17.9	18.8	20.0	17.2	17.5	18.3	19.5	16.8	17.1	17.9	19.1	16.3	16.7	17.4	18.6	15.5	15.8	16.6	17.7	14.4	14.7	15.4	16.4
		S/T	0.85	0.82	0.74	0.60	0.89	0.85	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	0.98	0.95	0.85	0.69
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	22	22	20	18
		KW	1.53	1.56	1.61	1.66	1.64	1.68	1.74	1.79	1.75	1.79	1.85	1.91	1.84	1.88	1.95	2.01	1.92	1.96	2.03	2.10	1.99	2.03	2.10	2.17
		AMPS	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.6	7.4	7.6	7.9	8.1	7.9	8.1	8.4	8.7	8.4	8.6	8.8	9.2
		HI PR	153	164	174	181	171	184	195	203	195	210	221	231	222	239	252	263	250	269	284	296	276	297	314	327
		LO PR	62	65	71	76	65	69	75	80	68	72	78	84	71	75	82	88	74	79	86	92	77	82	89	95

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC18C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC24C2* / CA*F037*2*/MBR800 Condtions: 80 WB DB 67 WB @ 800 CFM

IDB*			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
Airflow		MBh	23.6	24.5	26.8	-	23.1	23.9	26.2	-	22.5	23.4	25.6	-	22.0	22.8	25.0	-	20.9	21.7	23.7	-	19.4	20.1	22.0	-
		S/T	0.68	0.57	0.39	-	0.71	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	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	1.65	1.69	1.74	-	1.78	1.81	1.87	-	1.88	1.92	1.99	-	1.98	2.02	2.09	-	2.06	2.11	2.17	-	2.13	2.18	2.25	-
		AMPS	6.2	6.4	6.6	-	6.7	6.9	7.1	-	7.3	7.5	7.7	-	7.8	8.0	8.2	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-
		HI PR	143	154	163	-	160	173	182	-	182	196	207	-	208	224	236	-	234	252	266	-	258	278	294	-
		LO PR	62	66	72	-	66	70	77	-	68	73	80	-	72	77	84	-	75	80	88	-	78	83	91	-
70	923	MBh	23.4	24.3	26.6	-	22.9	23.7	26.0	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	20.7	21.4	23.5	-	19.2	19.9	21.8	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.64	0.44	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	1.65	1.68	1.74	-	1.77	1.81	1.87	-	1.88	1.92	1.98	-	1.98	2.02	2.08	-	2.06	2.10	2.17	-	2.13	2.17	2.24	-
		AMPS	6.2	6.4	6.6	-	6.7	6.9	7.1	-	7.3	7.5	7.7	-	7.8	8.0	8.2	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-
		HI PR	143	153	162	-	160	172	182	-	182	196	207	-	207	223	235	-	233	251	265	-	258	277	293	-
		LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	850	MBh	21.6	22.4	24.5	-	21.1	21.9	24.0	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.1	19.8	21.7	-	17.7	18.3	20.1	-
		S/T	0.64	0.54	0.37	-	0.67	0.56	0.39	-	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.74	0.62	0.43	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.61	1.64	1.69	-	1.73	1.77	1.82	-	1.84	1.87	1.93	-	1.93	1.97	2.03	-	2.01	2.05	2.12	-	2.07	2.12	2.19	-
		AMPS	6.1	6.2	6.4	-	6.5	6.7	6.9	-	7.1	7.3	7.5	-	7.6	7.7	8.0	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-
		HI PR	138	149	157	-	155	167	176	-	176	190	201	-	201	216	228	-	226	243	257	-	250	269	284	-
		LO PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-	75	80	88	-
	744	MBh	23.6	24.5	26.8	-	23.1	23.9	26.2	-	22.5	23.4	25.6	-	22.0	22.8	25.0	-	20.9	21.7	23.7	-	19.4	20.1	22.0	-
		S/T	0.68	0.57	0.39	-	0.71	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	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	1.65	1.69	1.74	-	1.78	1.81	1.87	-	1.88	1.92	1.99	-	1.98	2.02	2.09	-	2.06	2.11	2.17	-	2.13	2.18	2.25	-
		AMPS	6.2	6.4	6.6	-	6.7	6.9	7.1	-	7.3	7.5	7.7	-	7.8	8.0	8.2	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-
		HI PR	143	154	163	-	160	173	182	-	182	196	207	-	208	224	236	-	234	252	266	-	258	278	294	-
		LO PR	62	66	72	-	66	70	77	-	68	73	80	-	72	77	84	-	75	80	88	-	78	83	91	-

75	923	MBh	24.0	24.8	26.8	28.8	23.5	24.2	26.2	28.1	22.9	23.6	25.5	27.4	22.4	23.0	24.9	26.7	21.2	21.9	23.7	25.4	19.7	20.3	21.9	23.5
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	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	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	17	16	13	9
		KW	1.67	1.70	1.75	1.81	1.79	1.83	1.89	1.94	1.90	1.94	2.00	2.07	2.00	2.04	2.10	2.17	2.08	2.12	2.19	2.26	2.15	2.20	2.27	2.34
		AMPS	6.3	6.4	6.7	6.9	6.8	7.0	7.2	7.4	7.4	7.5	7.8	8.1	7.9	8.1	8.3	8.6	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7
		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	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97
	850	MBh	23.8	24.5	26.5	28.5	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.0	21.7	23.4	25.2	19.5	20.1	21.7	23.3
		S/T	0.76	0.68	0.51	0.33	0.79	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.87	0.78	0.59	0.38
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		KW	1.66	1.70	1.75	1.80	1.79	1.82	1.88	1.94	1.90	1.94	2.00	2.06	1.99	2.03	2.10	2.17	2.07	2.12	2.19	2.26	2.14	2.19	2.26	2.34
		AMPS	6.3	6.4	6.6	6.9	6.8	6.9	7.2	7.4	7.4	7.5	7.8	8.1	7.9	8.0	8.3	8.6	8.3	8.5	8.8	9.2	8.8	9.1	9.4	9.7
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	209	225	238	248	236	253	268	279	260	280	296	308
		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
	744	MBh	22.0	22.6	24.5	26.3	21.5	22.1	23.9	25.7	20.9	21.6	23.3	25.1	20.4	21.0	22.8	24.4	19.4	20.0	21.6	23.2	18.0	18.5	20.0	21.5
		S/T	0.73	0.65	0.50	0.32	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	0.84	0.75	0.57	0.37
		Delta T	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
		KW	1.62	1.66	1.71	1.76	1.74	1.78	1.84	1.89	1.85	1.89	1.95	2.01	1.94	1.99	2.05	2.11	2.02	2.07	2.13	2.20	2.09	2.14	2.21	2.28
		AMPS	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.8	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4
		HI PR	140	150	159	166	157	169	178	186	178	192	203	211	203	219	231	241	228	246	260	271	252	272	287	299
		LO PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC24C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC24C2* / CA*F037*2*/MBR800 Condtions: 80 WB DB 67 WB @ 800 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	923	MBh	24.5	25.0	26.7	28.6	23.9	24.4	26.1	27.9	23.3	23.8	25.5	27.2	22.8	23.3	24.8	26.6	21.6	22.1	23.6	25.2	20.0	20.5	21.9	23.4
		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	21	20	17	14	21	20	17	14	21	20	17	14	21	20	18	14	21	20	17	14	19	19	16	13
		KW	1.68	1.71	1.77	1.82	1.80	1.84	1.90	1.96	1.92	1.96	2.02	2.08	2.01	2.06	2.12	2.19	2.10	2.14	2.21	2.28	2.17	2.21	2.29	2.36
		AMPS	6.4	6.5	6.7	7.0	6.9	7.0	7.2	7.5	7.4	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.7	8.9	9.3	8.9	9.2	9.5	9.8
		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	64	68	74	79	67	72	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98
	850	MBh	24.2	24.8	26.4	28.3	23.7	24.2	25.8	27.6	23.1	23.6	25.2	27.0	22.5	23.0	24.6	26.3	21.4	21.9	23.4	25.0	19.8	20.3	21.6	23.1
		S/T	0.83	0.78	0.64	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.96	0.90	0.73	0.55
		Delta T	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	22	21	18	15	20	20	17	14
		KW	1.68	1.71	1.76	1.82	1.80	1.84	1.90	1.96	1.91	1.95	2.01	2.08	2.01	2.05	2.12	2.19	2.09	2.14	2.21	2.28	2.16	2.21	2.28	2.36
		AMPS	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.4	7.6	7.8	8.1	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.8
		HI PR	145	157	165	172	163	176	186	193	186	200	211	220	211	228	240	251	238	256	270	282	263	283	299	312
		LO PR	63	68	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98
	744	MBh	22.4	22.8	24.4	26.1	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	19.8	20.2	21.6	23.1	18.3	18.7	20.0	21.4
		S/T	0.80	0.75	0.61	0.46	0.83	0.78	0.63	0.47	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.92	0.86	0.70	0.53
		Delta T	22	21	18	15	22	22	19	15	22	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14
		KW	1.64	1.67	1.72	1.77	1.76	1.79	1.85	1.91	1.87	1.90	1.96	2.03	1.96	2.00	2.07	2.13	2.04	2.08	2.15	2.22	2.11	2.15	2.22	2.30
		AMPS	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5
		HI PR	141	152	160	167	158	170	180	188	180	194	205	213	205	221	233	243	231	248	262	274	255	274	290	302
		LO PR	62	65	71	76	65	69	76	80	68	72	78	84	71	76	82	88	74	79	86	92	77	82	89	95

85	923	MBh	24.9	25.4	26.6	28.4	24.3	24.8	26.0	27.7	23.7	24.2	25.3	27.0	23.2	23.6	24.7	26.4	22.0	22.4	23.5	25.1	20.4	20.8	21.8	23.2
		S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72
		Delta T	22	22	21	18	22	22	21	18	22	22	21	18	23	22	21	18	22	22	21	18	20	20	19	17
		KW	1.69	1.73	1.78	1.84	1.82	1.86	1.92	1.98	1.93	1.97	2.03	2.10	2.03	2.07	2.14	2.21	2.11	2.16	2.23	2.30	2.19	2.23	2.31	2.38
		AMPS	6.4	6.6	6.8	7.0	6.9	7.1	7.3	7.6	7.5	7.7	7.9	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4	9.0	9.2	9.6	9.9
		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	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
	850	MBh	24.6	25.1	26.3	28.1	24.1	24.5	25.7	27.4	23.5	24.0	25.1	26.8	22.9	23.4	24.5	26.1	21.8	22.2	23.3	24.8	20.2	20.6	21.5	23.0
		S/T	0.87	0.84	0.76	0.62	0.90	0.87	0.79	0.64	0.93	0.89	0.81	0.65	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.97	0.87	0.71
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	23	23	22	19	22	21	20	18
		KW	1.69	1.72	1.78	1.83	1.81	1.85	1.91	1.97	1.93	1.97	2.03	2.10	2.02	2.07	2.13	2.20	2.11	2.15	2.22	2.30	2.18	2.23	2.30	2.38
		AMPS	6.4	6.5	6.8	7.0	6.9	7.1	7.3	7.6	7.5	7.7	7.9	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.9
		HI PR	147	158	167	174	165	177	187	195	188	202	213	222	214	230	243	253	240	259	273	285	265	286	302	315
		LO PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99
	744	MBh	22.7	23.2	24.3	25.9	22.2	22.6	23.7	25.3	21.7	22.1	23.2	24.7	21.2	21.6	22.6	24.1	20.1	20.5	21.5	22.9	18.6	19.0	19.9	21.2
		S/T	0.84	0.81	0.73	0.59	0.87	0.84	0.76	0.62	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.97	0.93	0.84	0.68
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	22	19	24	23	22	19	22	22	21	18
		KW	1.65	1.68	1.73	1.79	1.77	1.81	1.87	1.92	1.88	1.92	1.98	2.04	1.98	2.02	2.08	2.15	2.06	2.10	2.17	2.24	2.13	2.17	2.24	2.32
		AMPS	6.2	6.4	6.6	6.8	6.7	6.9	7.1	7.4	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.5	8.3	8.5	8.7	9.1	8.8	9.0	9.3	9.6
		HI PR	143	153	162	169	160	172	182	190	182	196	207	216	207	223	235	246	233	251	265	276	258	277	293	305
		LO PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

VHC24C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC30C2* /CA*F042*2*/MBR1200 Conditons: 80 WB 67 DB @ 1000 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1088	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	2.18	2.22	2.29	-	2.34	2.39	2.47	-	2.49	2.54	2.62	-	2.61	2.67	2.75	-	2.72	2.78	2.87	-	2.81	2.87	2.97	-
		AMPS	8.5	8.7	9.0	-	9.2	9.4	9.7	-	10.0	10.2	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-	12.0	12.3	12.7	-
		HI PR	151	162	171	-	169	182	192	-	192	207	219	-	219	236	249	-	246	265	280	-	272	293	309	-
		LO PR	58	61	67	-	61	65	71	-	63	68	74	-	67	71	77	-	70	74	81	-	72	77	84	-
	1050	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	2.18	2.22	2.29	-	2.34	2.39	2.47	-	2.49	2.54	2.62	-	2.61	2.67	2.75	-	2.72	2.78	2.87	-	2.81	2.87	2.97	-
		AMPS	8.5	8.7	9.0	-	9.2	9.4	9.7	-	10.0	10.2	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-	12.0	12.3	12.7	-
		HI PR	151	162	171	-	169	182	192	-	192	207	219	-	219	236	249	-	246	265	280	-	272	293	309	-
		LO PR	58	61	67	-	61	65	71	-	63	68	74	-	67	71	77	-	70	74	81	-	72	77	84	-
	975	MBh	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.9	26.9	29.4	-	25.3	26.2	28.7	-	24.0	24.9	27.3	-	22.2	23.1	25.3	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.43	-	0.76	0.63	0.44	-	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	-
		KW	2.15	2.19	2.26	-	2.31	2.36	2.43	-	2.45	2.50	2.58	-	2.58	2.63	2.72	-	2.68	2.74	2.83	-	2.77	2.83	2.93	-
		AMPS	8.4	8.6	8.9	-	9.1	9.3	9.6	-	9.8	10.1	10.4	-	10.5	10.8	11.1	-	11.2	11.4	11.8	-	11.8	12.1	12.5	-
		HI PR	148	159	168	-	166	179	189	-	189	203	215	-	215	232	245	-	242	261	275	-	268	288	304	-
		LO PR	57	60	66	-	60	64	70	-	62	66	72	-	66	70	76	-	69	73	80	-	71	76	82	-

75	1088	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
		S/T	0.81	0.73	0.55	0.35	0.84	0.76	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		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	2.20	2.24	2.31	2.38	2.36	2.41	2.49	2.56	2.51	2.56	2.64	2.73	2.63	2.69	2.78	2.87	2.74	2.80	2.89	2.99	2.84	2.90	2.99	3.09
		AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	10.8	11.0	11.4	11.8	11.5	11.7	12.1	12.6	12.1	12.4	12.8	13.3
		HI PR	152	164	173	180	171	184	194	202	194	209	221	230	221	238	251	262	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
	1050	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
		S/T	0.81	0.73	0.55	0.35	0.84	0.76	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	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	2.20	2.24	2.31	2.38	2.36	2.41	2.49	2.56	2.51	2.56	2.64	2.73	2.63	2.69	2.78	2.87	2.74	2.80	2.89	2.99	2.84	2.90	2.99	3.09
		AMPS	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	10.8	11.0	11.4	11.8	11.5	11.7	12.1	12.6	12.1	12.4	12.8	13.3
		HI PR	152	164	173	180	171	184	194	202	194	209	221	230	221	238	251	262	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
	975	MBh	27.6	28.5	30.8	33.1	27.0	27.8	30.1	32.3	26.4	27.1	29.4	31.5	25.7	26.5	28.7	30.7	24.4	25.1	27.2	29.2	22.6	23.3	25.2	27.1
		S/T	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	2.17	2.21	2.28	2.35	2.33	2.38	2.45	2.53	2.47	2.52	2.60	2.69	2.60	2.65	2.74	2.83	2.70	2.76	2.85	2.95	2.80	2.86	2.95	3.05
		AMPS	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.6	11.9	12.4	11.9	12.2	12.6	13.1
		HI PR	150	161	170	177	168	181	191	199	191	206	217	226	218	234	247	258	245	263	278	290	270	291	307	320
		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

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC30C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC30C2* /CA*F042*2*/MBR1200 Conditons: 80 WB 67 DB @ 1000 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1088	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	29.0	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.59
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	14	20	19	17	13
		KW	2.21	2.26	2.33	2.40	2.38	2.43	2.51	2.59	2.53	2.58	2.66	2.75	2.66	2.71	2.80	2.89	2.77	2.83	2.92	3.01	2.86	2.92	3.02	3.12
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.1	11.5	11.9	11.6	11.8	12.2	12.7	12.2	12.5	13.0	13.4
		HI PR	154	165	175	182	173	186	196	205	196	211	223	233	224	241	254	265	251	271	286	298	278	299	316	329
		LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
	1050	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	29.0	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.59
		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
		KW	2.21	2.26	2.33	2.40	2.38	2.43	2.51	2.59	2.53	2.58	2.66	2.75	2.66	2.71	2.80	2.89	2.77	2.83	2.92	3.01	2.86	2.92	3.02	3.12
		AMPS	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.1	11.5	11.9	11.6	11.8	12.2	12.7	12.2	12.5	13.0	13.4
		HI PR	154	165	175	182	173	186	196	205	196	211	223	233	224	241	254	265	251	271	286	298	278	299	316	329
		LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
	975	MBh	28.1	28.7	30.7	32.8	27.5	28.1	30.0	32.1	26.8	27.4	29.3	31.3	26.2	26.7	28.6	30.5	24.9	25.4	27.1	29.0	23.0	23.5	25.1	26.9
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	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
		KW	2.18	2.23	2.30	2.37	2.35	2.40	2.47	2.55	2.49	2.54	2.63	2.71	2.62	2.67	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.98	3.07
		AMPS	8.6	8.8	9.0	9.4	9.2	9.5	9.8	10.1	10.0	10.3	10.6	11.0	10.7	11.0	11.3	11.7	11.4	11.7	12.0	12.5	12.1	12.3	12.8	13.2
		HI PR	151	163	172	179	170	183	193	201	193	208	219	229	220	236	250	260	247	266	281	293	273	294	310	324
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	72	77	84	90

85	1088	MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		Delta T	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	17
		KW	2.23	2.28	2.35	2.42	2.40	2.45	2.53	2.61	2.55	2.60	2.68	2.77	2.68	2.73	2.82	2.92	2.79	2.85	2.94	3.04	2.88	2.95	3.04	3.15
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.2	11.6	12.0	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.6
		HI PR	155	167	176	184	174	188	198	207	198	213	225	235	226	243	257	268	254	273	289	301	281	302	319	333
		LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92
	1050	MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		Delta T	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	22	23	22	19	21	21	21	18
		KW	2.23	2.28	2.35	2.42	2.40	2.45	2.53	2.61	2.55	2.60	2.68	2.77	2.68	2.73	2.82	2.92	2.79	2.85	2.94	3.04	2.88	2.95	3.04	3.15
		AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.2	11.6	12.0	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.6
		HI PR	155	167	176	184	174	188	198	207	198	213	225	235	226	243	257	268	254	273	289	301	281	302	319	333
		LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92
	975	MBh	28.6	29.2	30.6	32.6	28.0	28.5	29.8	31.8	27.3	27.8	29.1	31.1	26.6	27.1	28.4	30.3	25.3	25.8	27.0	28.8	23.4	23.9	25.0	26.7
		S/T	0.90	0.87	0.79	0.64	0.94	0.90	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	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	24	23	20	24	24	23	20	22	23	21	18
		KW	2.20	2.25	2.32	2.39	2.37	2.42	2.49	2.57	2.51	2.56	2.65	2.73	2.64	2.70	2.78	2.87	2.75	2.81	2.90	3.00	2.84	2.91	3.00	3.10
		AMPS	8.6	8.8	9.1	9.5	9.3	9.5	9.9	10.2	10.1	10.4	10.7	11.1	10.8	11.1	11.4	11.9	11.5	11.8	12.2	12.6	12.2	12.5	12.9	13.4
		HI PR	153	164	173	181	171	184	195	203	195	210	221	231	222	239	252	263	250	269	284	296	276	297	313	327
		LO PR	59	62	68	72	62	66	72	77	64	68	75	80	68	72	78	84	71	75	82	88	73	78	85	91

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

VHC30C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC36C2* / CA*F042*2*/MBR1600 Condtions: 80 WB 67 DB @ 1200 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1313	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	2.58	2.63	2.71	-	2.77	2.83	2.91	-	2.94	3.00	3.09	-	3.08	3.15	3.25	-	3.21	3.28	3.38	-	3.31	3.39	3.49	-
		AMPS	9.0	9.2	9.5	-	9.7	10.0	10.3	-	10.6	10.8	11.2	-	11.3	11.6	12.0	-	12.0	12.3	12.8	-	12.8	13.1	13.5	-
		HI PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	260	280	296	-
		LO PR	57	61	66	-	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	71	76	83	-
	1290	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		KW	2.58	2.63	2.71	-	2.77	2.83	2.91	-	2.94	3.00	3.09	-	3.08	3.15	3.25	-	3.21	3.28	3.38	-	3.31	3.39	3.49	-
		AMPS	9.0	9.2	9.5	-	9.7	10.0	10.3	-	10.6	10.8	11.2	-	11.3	11.6	12.0	-	12.0	12.3	12.8	-	12.8	13.1	13.5	-
		HI PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	260	280	296	-
		LO PR	57	61	66	-	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	71	76	83	-
	1050	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
		KW	2.53	2.58	2.65	-	2.71	2.76	2.85	-	2.87	2.93	3.02	-	3.01	3.07	3.17	-	3.13	3.20	3.30	-	3.23	3.30	3.41	-
		AMPS	8.7	9.0	9.2	-	9.5	9.7	10.0	-	10.3	10.5	10.9	-	11.0	11.3	11.6	-	11.7	12.0	12.4	-	12.4	12.7	13.2	-
		HI PR	140	151	159	-	157	169	178	-	178	192	203	-	203	219	231	-	229	246	260	-	253	272	287	-
		LO PR	55	59	64	-	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	80	-

75	1313	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		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	2.60	2.66	2.73	2.82	2.79	2.85	2.94	3.03	2.96	3.02	3.12	3.21	3.11	3.17	3.27	3.38	3.23	3.30	3.41	3.52	3.34	3.41	3.52	3.64
		AMPS	9.1	9.3	9.6	10.0	9.8	10.1	10.4	10.8	10.7	10.9	11.3	11.7	11.4	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
		HI PR	146	157	166	173	163	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312
		LO PR	58	61	67	71	61	65	71	75	63	67	74	78	66	71	77	82	70	74	81	86	72	77	84	89
	1290	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10
		KW	2.60	2.66	2.73	2.82	2.79	2.85	2.94	3.03	2.96	3.02	3.12	3.21	3.11	3.17	3.27	3.38	3.23	3.30	3.41	3.52	3.34	3.41	3.52	3.64
		AMPS	9.1	9.3	9.6	10.0	9.8	10.1	10.4	10.8	10.7	10.9	11.3	11.7	11.4	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
		HI PR	146	157	166	173	163	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312
		LO PR	58	61	67	71	61	65	71	75	63	67	74	78	66	71	77	82	70	74	81	86	72	77	84	89
	1050	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11
		KW	2.54	2.59	2.67	2.75	2.73	2.78	2.87	2.96	2.89	2.95	3.04	3.14	3.03	3.10	3.19	3.30	3.16	3.22	3.32	3.43	3.26	3.33	3.44	3.55
		AMPS	8.8	9.0	9.3	9.7	9.5	9.8	10.1	10.5	10.4	10.6	11.0	11.4	11.1	11.4	11.8	12.2	11.8	12.1	12.5	13.0	12.5	12.8	13.3	13.8
		HI PR	141	152	161	167	159	171	180	188	180	194	205	214	205	221	233	243	231	249	263	274	255	275	290	303
		LO PR	56	59	65	69	59	63	69	73	61	65	71	76	64	69	75	80	68	72	78	84	70	74	81	86

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC36C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC36C2* / CA*F042*2*/MBR1600 Conditions: 80 WB 67 DB @ 1200 CFM

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
IDB*	Airflow																									
80	1313	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	14	20	19	17	14
		KW	2.62	2.68	2.76	2.84	2.81	2.87	2.96	3.05	2.98	3.05	3.14	3.24	3.13	3.20	3.30	3.41	3.26	3.33	3.44	3.55	3.37	3.44	3.55	3.67
		AMPS	9.2	9.4	9.7	10.1	9.9	10.1	10.5	10.9	10.8	11.0	11.4	11.8	11.5	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.3	13.8	14.3
		HI PR	147	158	167	174	165	178	188	196	188	202	213	223	214	230	243	253	241	259	273	285	266	286	302	315
		LO PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90
	1290	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	22	22	19	15	22	21	18	15	20	20	17	14
		KW	2.62	2.68	2.76	2.84	2.81	2.87	2.96	3.05	2.98	3.05	3.14	3.24	3.13	3.20	3.30	3.41	3.26	3.33	3.44	3.55	3.37	3.44	3.55	3.67
		AMPS	9.2	9.4	9.7	10.1	9.9	10.1	10.5	10.9	10.8	11.0	11.4	11.8	11.5	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.3	13.8	14.3
		HI PR	147	158	167	174	165	178	188	196	188	202	213	223	214	230	243	253	241	259	273	285	266	286	302	315
		LO PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90
	1050	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15
		KW	2.56	2.61	2.69	2.77	2.75	2.81	2.89	2.98	2.91	2.97	3.07	3.16	3.06	3.12	3.22	3.32	3.18	3.25	3.35	3.46	3.29	3.36	3.47	3.58
		AMPS	8.9	9.1	9.4	9.8	9.6	9.9	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1	12.6	13.0	13.4	13.9
		HI PR	143	154	162	169	160	172	182	190	182	196	207	216	207	223	236	246	233	251	265	277	258	277	293	306
		LO PR	56	60	66	70	60	63	69	74	62	66	72	77	65	69	76	81	68	73	79	84	71	75	82	87

85	1313	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	17
		KW	2.64	2.70	2.78	2.86	2.84	2.89	2.98	3.08	3.01	3.07	3.17	3.27	3.16	3.22	3.33	3.43	3.29	3.36	3.46	3.58	3.40	3.47	3.58	3.70
		AMPS	9.2	9.5	9.8	10.1	10.0	10.2	10.6	11.0	10.9	11.1	11.5	12.0	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.5	13.9	14.5
		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
		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
	1290	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	23	24	22	19	22	23	22	19	20	21	20	18
		KW	2.64	2.70	2.78	2.86	2.84	2.89	2.98	3.08	3.01	3.07	3.17	3.27	3.16	3.22	3.33	3.43	3.29	3.36	3.46	3.58	3.40	3.47	3.58	3.70
		AMPS	9.2	9.5	9.8	10.1	10.0	10.2	10.6	11.0	10.9	11.1	11.5	12.0	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.5	13.9	14.5
		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
		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
	1050	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
		S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.90	0.73
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	24	22	19
		KW	2.58	2.63	2.71	2.80	2.77	2.83	2.91	3.00	2.94	3.00	3.09	3.19	3.08	3.15	3.25	3.35	3.21	3.27	3.38	3.49	3.31	3.38	3.49	3.61
		AMPS	9.0	9.2	9.5	9.9	9.7	10.0	10.3	10.7	10.6	10.8	11.2	11.6	11.3	11.6	12.0	12.4	12.0	12.3	12.8	13.3	12.8	13.1	13.5	14.1
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	209	225	238	248	236	254	268	279	260	280	296	309
		LO PR	57	61	66	71	60	64	70	75	63	67	73	77	66	70	76	81	69	73	80	85	71	76	83	88

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

VHC36C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC42C2* / CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1500 CFM

			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
70	1538	MBh	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	-	31.9	33.1	36.3	-
		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	-	0.78	0.66	0.45	-	0.79	0.66	0.46	-
		Delta T	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	3.03	3.09	3.19	-	3.26	3.33	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.87	4.00	-	3.92	4.00	4.14	-
		AMPS	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-
		HI PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-
	LO PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	
	1500	MBh	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	-	31.9	33.1	36.3	-
		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	-	0.78	0.66	0.45	-	0.79	0.66	0.46	-
		Delta T	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-
		KW	3.03	3.09	3.19	-	3.26	3.33	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.87	4.00	-	3.92	4.00	4.14	-
		AMPS	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-
		HI PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-
	LO PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	
	1227	MBh	36.0	37.3	40.9	-	35.2	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	31.8	33.0	36.1	-	29.5	30.5	33.5	-
		S/T	0.66	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	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.96	3.02	3.11	-	3.18	3.25	3.35	-	3.37	3.45	3.56	-	3.55	3.62	3.74	-	3.69	3.77	3.90	-	3.82	3.90	4.03	-
		AMPS	11.0	11.3	11.6	-	11.9	12.2	12.6	-	12.9	13.2	13.7	-	13.8	14.1	14.6	-	14.7	15.0	15.5	-	15.5	15.9	16.5	-
		HI PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	242	-	240	258	273	-	265	285	301	-
		LO PR	55	58	63	-	58	61	67	-	60	64	70	-	63	67	73	-	66	70	77	-	68	73	79	-

75	1538	MBh	39.7	40.8	44.2	47.4	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	38.0	41.1	44.1	35.1	36.1	39.1	41.9	32.5	33.4	36.2	38.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		Delta T	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	17	16	13	9
		KW	3.05	3.12	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	3.75	3.87	4.00	3.82	3.90	4.03	4.17	3.95	4.04	4.17	4.31
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.1	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		HI PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
		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
	1500	MBh	39.7	40.8	44.2	47.4	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	38.0	41.1	44.1	35.1	36.1	39.1	41.9	32.5	33.4	36.2	38.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		Delta T	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	16	14	9
		KW	3.05	3.12	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	3.75	3.87	4.00	3.82	3.90	4.03	4.17	3.95	4.04	4.17	4.31
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.1	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		HI PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
		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
	1227	MBh	36.6	37.7	40.8	43.8	35.8	36.8	39.9	42.8	34.9	35.9	38.9	41.8	34.1	35.1	38.0	40.7	32.4	33.3	36.1	38.7	30.0	30.9	33.4	35.8
		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	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		KW	2.98	3.04	3.14	3.23	3.20	3.27	3.37	3.48	3.40	3.47	3.59	3.70	3.58	3.65	3.77	3.90	3.72	3.81	3.93	4.06	3.85	3.94	4.07	4.20
		AMPS	11.1	11.4	11.7	12.2	12.0	12.3	12.7	13.2	13.0	13.3	13.8	14.3	13.9	14.3	14.7	15.3	14.8	15.2	15.7	16.3	15.7	16.1	16.6	17.2
		HI PR	148	160	168	176	166	179	189	197	189	204	215	224	215	232	245	255	242	261	275	287	268	288	304	317
		LO PR	55	59	64	68	58	62	68	72	61	64	70	75	64	68	74	79	67	71	77	83	69	73	80	85

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC42C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC42C2* / CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1500 CFM

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
IDB*	Airflow																									
80	1538	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
		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	21	20	17	14	21	20	17	14	21	20	18	14	21	20	18	14	21	20	17	14	19	19	16	13
		KW	3.08	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.90	4.03	3.85	3.94	4.06	4.20	3.98	4.07	4.21	4.35
		AMPS	11.5	11.8	12.2	12.6	12.4	12.7	13.2	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		HI PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
		LO PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	1500	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
		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	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	19	17	13
		KW	3.08	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.90	4.03	3.85	3.94	4.06	4.20	3.98	4.07	4.21	4.35
		AMPS	11.5	11.8	12.2	12.6	12.4	12.7	13.2	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		HI PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
		LO PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	1227	MBh	37.3	38.1	40.7	43.5	36.4	37.2	39.7	42.5	35.5	36.3	38.8	41.5	34.7	35.4	37.8	40.5	32.9	33.6	36.0	38.4	30.5	31.2	33.3	35.6
		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	0.88	0.72	0.54	0.95	0.89	0.73	0.54
		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	3.00	3.07	3.16	3.26	3.23	3.30	3.40	3.51	3.43	3.50	3.62	3.73	3.61	3.68	3.80	3.93	3.76	3.84	3.96	4.09	3.88	3.97	4.10	4.24
		AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.8	13.3	13.1	13.5	13.9	14.4	14.0	14.4	14.9	15.4	14.9	15.3	15.8	16.4	15.8	16.2	16.8	17.4
		HI PR	150	161	170	177	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	307	321
		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
85	1538	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
		S/T	0.90	0.87	0.78	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	0.72	1.00	1.00	0.90	0.73
		Delta T	22	22	21	18	22	22	21	18	22	22	21	18	23	22	21	18	22	22	21	18	20	20	19	17
		KW	3.10	3.16	3.26	3.37	3.34	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	3.81	3.93	4.06	3.88	3.97	4.10	4.24	4.02	4.11	4.24	4.39
		AMPS	11.6	11.9	12.3	12.7	12.5	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.4	16.8	17.4	18.1
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	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
	1500	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
		S/T	0.90	0.87	0.78	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	0.72	1.00	1.00	0.90	0.73
		Delta T	23	22	21	18	23	23	21	18	23	23	21	18	23	23	22	19	22	22	21	18	21	21	20	17
		KW	3.10	3.16	3.26	3.37	3.34	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	3.81	3.93	4.06	3.88	3.97	4.10	4.24	4.02	4.11	4.24	4.39
		AMPS	11.6	11.9	12.3	12.7	12.5	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.4	16.8	17.4	18.1
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	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
	1227	MBh	37.9	38.6	40.5	43.2	37.0	37.7	39.5	42.2	36.2	36.9	38.6	41.2	35.3	36.0	37.7	40.2	33.5	34.2	35.8	38.2	31.0	31.6	33.1	35.4
		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	0.70
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	22	19
		KW	3.03	3.09	3.19	3.29	3.26	3.32	3.43	3.54	3.46	3.53	3.64	3.76	3.64	3.71	3.83	3.96	3.79	3.87	4.00	4.13	3.92	4.00	4.14	4.27
		AMPS	11.3	11.6	11.9	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.0	14.6	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	16.9	17.6
		HI PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
		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

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

COOLING PERFORMANCE DATA

VHC42C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC48C2*/CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1600 CFM

			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
70	1650	MBh	41.9	43.4	47.5	-	40.9	42.4	46.4	-	39.9	41.4	45.3	-	38.9	40.4	44.2	-	37.0	38.3	42.0	-	34.3	35.5	38.9	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
		KW	3.03	3.09	3.19	-	3.26	3.33	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.87	4.00	-	3.92	4.00	4.14	-
		AMPS	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-
		HI PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-
		LO PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-
	1600	MBh	41.9	43.4	47.5	-	40.9	42.4	46.4	-	39.9	41.4	45.3	-	38.9	40.4	44.2	-	37.0	38.3	42.0	-	34.3	35.5	38.9	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		KW	3.03	3.09	3.19	-	3.26	3.33	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.87	4.00	-	3.92	4.00	4.14	-
		AMPS	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-
		HI PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-
		LO PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-
	1400	MBh	38.6	40.0	43.9	-	37.7	39.1	42.9	-	36.8	38.2	41.8	-	35.9	37.3	40.8	-	34.1	35.4	38.8	-	31.6	32.8	35.9	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		KW	2.96	3.02	3.11	-	3.18	3.25	3.35	-	3.37	3.45	3.56	-	3.55	3.62	3.74	-	3.69	3.77	3.90	-	3.82	3.90	4.03	-
		AMPS	11.0	11.3	11.6	-	11.9	12.2	12.6	-	12.9	13.2	13.7	-	13.8	14.1	14.6	-	14.7	15.0	15.5	-	15.5	15.9	16.5	-
		HI PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	242	-	240	258	273	-	265	285	301	-
		LO PR	55	58	63	-	58	61	67	-	60	64	70	-	63	67	73	-	66	70	77	-	68	73	79	-

75	1650	MBh	42.6	43.8	47.4	50.9	41.6	42.8	46.3	49.7	40.6	41.8	45.2	48.5	39.6	40.8	44.1	47.4	37.6	38.7	41.9	45.0	34.8	35.9	38.8	41.7
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		Delta T	19	17	14	10	19	18	14	10	19	18	14	10	19	18	14	10	19	17	14	10	18	16	13	9
		KW	3.05	3.12	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	3.75	3.87	4.00	3.82	3.90	4.03	4.17	3.95	4.04	4.17	4.31
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.1	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		HI PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
		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	42.6	43.8	47.4	50.9	41.6	42.8	46.3	49.7	40.6	41.8	45.2	48.5	39.6	40.8	44.1	47.4	37.6	38.7	41.9	45.0	34.8	35.9	38.8	41.7
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		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	3.05	3.12	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	3.75	3.87	4.00	3.82	3.90	4.03	4.17	3.95	4.04	4.17	4.31
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.1	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		HI PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
		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
	1400	MBh	39.3	40.5	43.8	47.0	38.4	39.5	42.8	45.9	37.5	38.6	41.8	44.8	36.6	37.6	40.7	43.7	34.7	35.8	38.7	41.5	32.2	33.1	35.8	38.5
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38
		Delta T	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10
		KW	2.98	3.04	3.14	3.23	3.20	3.27	3.37	3.48	3.40	3.47	3.59	3.70	3.58	3.65	3.77	3.90	3.72	3.81	3.93	4.06	3.85	3.94	4.07	4.20
		AMPS	11.1	11.4	11.7	12.2	12.0	12.3	12.7	13.2	13.0	13.3	13.8	14.3	13.9	14.3	14.7	15.3	14.8	15.2	15.7	16.3	15.7	16.1	16.6	17.2
		HI PR	148	160	168	176	166	179	189	197	189	204	215	224	215	232	245	255	242	261	275	287	268	288	304	317
		LO PR	55	59	64	68	58	62	68	72	61	64	70	75	64	68	74	79	67	71	77	83	69	73	80	85

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC48C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC48C2*/CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1600 CFM

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	1650	MBh	43.3	44.3	47.3	50.6	42.3	43.2	46.2	49.4	41.3	42.2	45.1	48.2	40.3	41.2	44.0	47.0	38.3	39.1	41.8	44.7	35.5	36.2	38.7	41.4
		S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.94	0.76	0.57
		Delta T	21	20	17	14	21	20	18	14	21	20	18	14	21	21	18	14	21	20	18	14	20	19	16	13
		KW	3.08	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.90	4.03	3.85	3.94	4.06	4.20	3.98	4.07	4.21	4.35
		AMPS	11.5	11.8	12.2	12.6	12.4	12.7	13.2	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		HI PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
		LO PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	1600	MBh	43.3	44.3	47.3	50.6	42.3	43.2	46.2	49.4	41.3	42.2	45.1	48.2	40.3	41.2	44.0	47.0	38.3	39.1	41.8	44.7	35.5	36.2	38.7	41.4
		S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.94	0.76	0.57
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	14
		KW	3.08	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.90	4.03	3.85	3.94	4.06	4.20	3.98	4.07	4.21	4.35
		AMPS	11.5	11.8	12.2	12.6	12.4	12.7	13.2	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		HI PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
		LO PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	1400	MBh	40.0	40.9	43.7	46.7	39.1	39.9	42.6	45.6	38.1	39.0	41.6	44.5	37.2	38.0	40.6	43.4	35.3	36.1	38.6	41.2	32.7	33.5	35.7	38.2
		S/T	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.50	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		Delta T	22	21	18	15	22	21	19	15	22	21	19	15	22	22	19	15	22	21	18	15	21	20	17	14
		KW	3.00	3.07	3.16	3.26	3.23	3.30	3.40	3.51	3.43	3.50	3.62	3.73	3.61	3.68	3.80	3.93	3.76	3.84	3.96	4.09	3.88	3.97	4.10	4.24
		AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.8	13.3	13.1	13.5	13.9	14.4	14.0	14.4	14.9	15.4	14.9	15.3	15.8	16.4	15.8	16.2	16.8	17.4
		HI PR	150	161	170	177	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	307	321
		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

85	1650	MBh	44.1	44.9	47.1	50.2	43.1	43.9	46.0	49.0	42.0	42.8	44.9	47.9	41.0	41.8	43.8	46.7	39.0	39.7	41.6	44.4	36.1	36.8	38.5	41.1
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	22	22	21	18	23	22	21	18	23	22	21	18	23	22	21	18	22	22	21	18	20	20	20	17
		KW	3.10	3.16	3.26	3.37	3.34	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	3.81	3.93	4.06	3.88	3.97	4.10	4.24	4.02	4.11	4.24	4.39
		AMPS	11.6	11.9	12.3	12.7	12.5	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.4	16.8	17.4	18.1
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	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
	1600	MBh	44.1	44.9	47.1	50.2	43.1	43.9	46.0	49.0	42.0	42.8	44.9	47.9	41.0	41.8	43.8	46.7	39.0	39.7	41.6	44.4	36.1	36.8	38.5	41.1
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	23	23	21	19	23	23	22	19	23	23	22	19	24	23	22	19	22	23	22	19	21	21	20	17
		KW	3.10	3.16	3.26	3.37	3.34	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	3.81	3.93	4.06	3.88	3.97	4.10	4.24	4.02	4.11	4.24	4.39
		AMPS	11.6	11.9	12.3	12.7	12.5	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.4	16.8	17.4	18.1
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	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
	1400	MBh	40.7	41.5	43.4	46.3	39.7	40.5	42.4	45.3	38.8	39.5	41.4	44.2	37.9	38.6	40.4	43.1	36.0	36.7	38.4	41.0	33.3	34.0	35.6	37.9
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.97	0.88	0.71
		Delta T	23	23	22	19	24	23	22	19	24	23	22	19	24	24	22	19	24	23	22	19	22	22	20	18
		KW	3.03	3.09	3.19	3.29	3.26	3.32	3.43	3.54	3.46	3.53	3.64	3.76	3.64	3.71	3.83	3.96	3.79	3.87	4.00	4.13	3.92	4.00	4.14	4.27
		AMPS	11.3	11.6	11.9	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.0	14.6	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	16.9	17.6
		HI PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
		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

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC60C2*/CA*0F61*2*/MBR2000 Conditions: 80 WB 67 DB @ 1850 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2063	MBh	53.1	55.0	60.3	-	51.9	53.8	58.9	-	50.6	52.5	57.5	-	49.4	51.2	56.1	-	46.9	48.6	53.3	-	43.5	45.1	49.4	-
		S/T	0.54	0.45	0.31	-	0.56	0.46	0.32	-	0.57	0.48	0.33	-	0.59	0.49	0.34	-	0.61	0.51	0.35	-	0.62	0.51	0.36	-
		Delta T	13	11	8	-	13	11	8	-	13	11	8	-	13	11	9	-	13	11	8	-	12	10	8	-
		KW	3.04	3.11	3.20	-	3.27	3.34	3.45	-	3.48	3.55	3.67	-	3.66	3.74	3.86	-	3.81	3.89	4.02	-	3.94	4.03	4.16	-
		AMPS	11.4	11.6	12.0	-	12.3	12.6	13.0	-	13.4	13.7	14.1	-	14.3	14.6	15.1	-	15.2	15.6	16.1	-	16.1	16.5	17.0	-
		HI PR	152	164	173	-	171	184	194	-	194	209	221	-	221	238	252	-	249	268	283	-	275	296	313	-
	LO PR	57	60	66	-	60	64	70	-	62	66	72	-	65	70	76	-	69	73	80	-	71	75	82	-	
	1850	MBh	52.3	54.2	59.4	-	51.1	53.0	58.0	-	49.9	51.7	56.7	-	48.7	50.5	55.3	-	46.2	47.9	52.5	-	42.8	44.4	48.6	-
		S/T	0.51	0.43	0.30	-	0.53	0.44	0.31	-	0.55	0.46	0.32	-	0.56	0.47	0.33	-	0.58	0.49	0.34	-	0.59	0.49	0.34	-
		Delta T	13	12	9	-	14	12	9	-	14	12	9	-	14	12	9	-	13	12	9	-	13	11	8	-
		KW	3.03	3.09	3.19	-	3.26	3.33	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.87	4.00	-	3.92	4.00	4.14	-
		AMPS	11.3	11.6	11.9	-	12.2	12.5	12.9	-	13.3	13.6	14.0	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.0	16.4	16.9	-
		HI PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-
	LO PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	
	1750	MBh	51.5	53.4	58.5	-	50.3	52.2	57.2	-	49.1	50.9	55.8	-	47.9	49.7	54.4	-	45.5	47.2	51.7	-	42.2	43.7	47.9	-
		S/T	0.50	0.41	0.29	-	0.51	0.43	0.30	-	0.53	0.44	0.30	-	0.54	0.45	0.31	-	0.56	0.47	0.33	-	0.57	0.48	0.33	-
		Delta T	13	12	9	-	14	12	9	-	14	12	9	-	14	12	9	-	14	12	9	-	13	11	8	-
		KW	2.99	3.05	3.14	-	3.21	3.28	3.38	-	3.41	3.48	3.59	-	3.59	3.66	3.78	-	3.73	3.82	3.94	-	3.86	3.95	4.08	-
		AMPS	11.1	11.4	11.8	-	12.0	12.3	12.7	-	13.1	13.4	13.8	-	14.0	14.3	14.8	-	14.9	15.2	15.7	-	15.7	16.1	16.7	-
		HI PR	149	160	169	-	167	180	190	-	190	204	216	-	216	233	246	-	243	262	276	-	269	289	305	-
	LO PR	55	59	64	-	59	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	80	-	

75	2063	MBh	54.0	55.6	60.2	64.6	52.8	54.3	58.8	63.1	51.5	53.0	57.4	61.6	50.2	51.7	56.0	60.1	47.7	49.1	53.2	57.1	44.2	45.5	49.3	52.9
		S/T	0.61	0.55	0.41	0.27	0.63	0.57	0.43	0.28	0.65	0.58	0.44	0.28	0.67	0.60	0.45	0.29	0.69	0.62	0.47	0.30	0.70	0.63	0.47	0.30
		Delta T	15	14	11	8	15	14	11	8	15	14	11	8	15	14	11	8	15	14	11	8	14	13	10	7
		KW	3.07	3.13	3.23	3.33	3.30	3.37	3.48	3.59	3.51	3.58	3.70	3.82	3.69	3.77	3.89	4.02	3.84	3.93	4.05	4.19	3.97	4.06	4.20	4.34
		AMPS	11.5	11.7	12.1	12.6	12.4	12.7	13.1	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.2	15.8	15.3	15.7	16.2	16.9	16.2	16.6	17.2	17.9
		HI PR	154	166	175	182	173	186	196	205	196	211	223	233	224	241	254	265	252	271	286	298	278	299	316	330
		LO PR	57	61	67	71	61	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	89
	1850	MBh	53.2	54.8	59.3	63.6	52.0	53.5	57.9	62.2	50.7	52.2	56.5	60.7	49.5	51.0	55.2	59.2	47.0	48.4	52.4	56.2	43.6	44.8	48.5	52.1
		S/T	0.58	0.52	0.40	0.25	0.61	0.54	0.41	0.26	0.62	0.56	0.42	0.27	0.64	0.57	0.43	0.28	0.66	0.59	0.45	0.29	0.67	0.60	0.45	0.29
		Delta T	15	14	12	8	16	14	12	8	16	14	12	8	16	15	12	8	16	14	12	8	15	13	11	8
		KW	3.05	3.12	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	3.75	3.87	4.00	3.82	3.90	4.03	4.17	3.95	4.04	4.17	4.31
		AMPS	11.4	11.7	12.1	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.7	14.3	14.7	15.1	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		HI PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
		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
	1750	MBh	52.4	54.0	58.4	62.7	51.2	52.7	57.1	61.2	50.0	51.5	55.7	59.8	48.8	50.2	54.3	58.3	46.3	47.7	51.6	55.4	42.9	44.2	47.8	51.3
		S/T	0.56	0.50	0.38	0.25	0.58	0.52	0.40	0.25	0.60	0.54	0.41	0.26	0.62	0.55	0.42	0.27	0.64	0.57	0.43	0.28	0.65	0.58	0.44	0.28
		Delta T	16	14	12	8	16	14	12	8	16	14	12	8	16	15	12	8	16	14	12	8	15	13	11	8
		KW	3.01	3.07	3.17	3.27	3.24	3.31	3.41	3.52	3.44	3.51	3.62	3.74	3.62	3.69	3.81	3.94	3.77	3.85	3.97	4.11	3.90	3.98	4.11	4.25
		AMPS	11.2	11.5	11.9	12.3	12.1	12.4	12.8	13.3	13.2	13.5	13.9	14.5	14.1	14.4	14.9	15.5	15.0	15.4	15.9	16.5	15.9	16.3	16.8	17.5
		HI PR	150	162	171	178	169	181	192	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	308	322
		LO PR	56	60	65	69	59	63	69	73	61	65	71	76	65	69	75	80	68	72	79	84	70	74	81	87

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

VHC60C2*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: VHC60C2*/CA*0F61*2*/MBR2000 Conditions: 80 WB 67 DB @ 1850 CFM

IDB* Airflow			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2063	MBh	55.0	56.2	60.0	64.2	53.7	54.9	58.6	62.7	52.4	53.6	57.2	61.2	51.1	52.3	55.8	59.7	48.6	49.6	53.0	56.7	45.0	46.0	49.1	52.5
		S/T	0.67	0.63	0.51	0.38	0.69	0.65	0.53	0.40	0.71	0.67	0.54	0.41	0.73	0.69	0.56	0.42	0.76	0.71	0.58	0.43	0.77	0.72	0.59	0.44
		Delta T	16	16	14	11	17	16	14	11	17	16	14	11	17	16	14	11	16	16	14	11	15	15	13	10
		KW	3.09	3.16	3.26	3.36	3.33	3.40	3.51	3.62	3.53	3.61	3.73	3.85	3.72	3.80	3.92	4.05	3.87	3.96	4.09	4.23	4.01	4.10	4.23	4.37
		AMPS	11.6	11.9	12.2	12.7	12.5	12.8	13.2	13.7	13.6	13.9	14.4	14.9	14.5	14.9	15.4	16.0	15.5	15.9	16.4	17.0	16.4	16.8	17.4	18.0
		HI PR	155	167	177	184	174	188	198	207	198	214	225	235	226	243	257	268	254	274	289	301	281	302	319	333
		LO PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	74	81	87	72	77	84	90
	1850	MBh	54.2	55.3	59.1	63.2	52.9	54.1	57.8	61.7	51.6	52.8	56.4	60.3	50.4	51.5	55.0	58.8	47.9	48.9	52.3	55.9	44.3	45.3	48.4	51.7
		S/T	0.64	0.60	0.49	0.37	0.66	0.62	0.51	0.38	0.68	0.64	0.52	0.39	0.70	0.66	0.54	0.40	0.73	0.68	0.56	0.42	0.74	0.69	0.56	0.42
		Delta T	17	17	14	11	17	17	15	12	17	17	15	12	18	17	15	12	17	17	14	12	16	16	14	11
		KW	3.08	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.90	4.03	3.85	3.94	4.06	4.20	3.98	4.07	4.21	4.35
		AMPS	11.5	11.8	12.2	12.6	12.4	12.7	13.2	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		HI PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
		LO PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	1750	MBh	53.3	54.5	58.2	62.3	52.1	53.2	56.9	60.8	50.9	52.0	55.5	59.4	49.6	50.7	54.2	57.9	47.1	48.2	51.5	55.0	43.7	44.6	47.7	51.0
		S/T	0.62	0.58	0.47	0.35	0.64	0.60	0.49	0.37	0.66	0.62	0.50	0.37	0.68	0.64	0.52	0.39	0.70	0.66	0.54	0.40	0.71	0.67	0.54	0.40
		Delta T	17	17	14	12	18	17	15	12	18	17	15	12	18	17	15	12	17	17	15	12	16	16	14	11
		KW	3.04	3.10	3.19	3.30	3.26	3.33	3.44	3.55	3.47	3.54	3.65	3.77	3.65	3.72	3.85	3.97	3.80	3.88	4.01	4.14	3.93	4.01	4.15	4.29
		AMPS	11.3	11.6	12.0	12.4	12.2	12.5	13.0	13.4	13.3	13.6	14.1	14.6	14.2	14.6	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	17.0	17.6
		HI PR	152	163	172	180	170	183	194	202	194	208	220	230	221	237	251	261	248	267	282	294	274	295	312	325
		LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	84	71	75	82	87

85	2063	MBh	55.9	57.0	59.7	63.7	54.6	55.7	58.3	62.2	53.3	54.4	56.9	60.7	52.0	53.0	55.5	59.3	49.4	50.4	52.8	56.3	45.8	46.7	48.9	52.1
		S/T	0.70	0.68	0.61	0.50	0.73	0.70	0.63	0.51	0.75	0.72	0.65	0.53	0.77	0.74	0.67	0.54	0.80	0.77	0.70	0.56	0.81	0.78	0.70	0.57
		Delta T	17	17	16	14	18	17	16	14	18	17	16	14	18	18	17	14	18	17	16	14	16	16	15	13
		KW	3.12	3.18	3.28	3.39	3.35	3.43	3.53	3.65	3.56	3.64	3.76	3.88	3.75	3.83	3.96	4.09	3.91	3.99	4.12	4.26	4.04	4.13	4.27	4.41
		AMPS	11.7	12.0	12.4	12.8	12.6	12.9	13.4	13.9	13.7	14.1	14.5	15.1	14.7	15.0	15.5	16.1	15.6	16.0	16.5	17.2	16.5	17.0	17.5	18.2
		HI PR	157	169	178	186	176	190	200	209	200	216	228	238	228	246	259	271	257	276	292	304	284	305	322	336
		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
	1850	MBh	55.1	56.2	58.8	62.8	53.8	54.9	57.5	61.3	52.5	53.6	56.1	59.8	51.3	52.3	54.7	58.4	48.7	49.6	52.0	55.5	45.1	46.0	48.2	51.4
		S/T	0.67	0.65	0.58	0.47	0.70	0.67	0.61	0.49	0.71	0.69	0.62	0.50	0.74	0.71	0.64	0.52	0.76	0.74	0.67	0.54	0.77	0.74	0.67	0.54
		Delta T	18	18	17	15	19	18	17	15	19	18	17	15	19	18	17	15	19	18	17	15	17	17	16	14
		KW	3.10	3.16	3.26	3.37	3.34	3.41	3.51	3.63	3.54	3.62	3.74	3.86	3.73	3.81	3.93	4.06	3.88	3.97	4.10	4.24	4.02	4.11	4.24	4.39
		AMPS	11.6	11.9	12.3	12.7	12.5	12.9	13.3	13.8	13.6	14.0	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.4	17.1	16.4	16.8	17.4	18.1
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	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
	1750	MBh	54.3	55.3	57.9	61.8	53.0	54.0	56.6	60.4	51.8	52.8	55.3	58.9	50.5	51.5	53.9	57.5	48.0	48.9	51.2	54.6	44.4	45.3	47.4	50.6
		S/T	0.65	0.62	0.56	0.46	0.67	0.65	0.58	0.47	0.69	0.66	0.60	0.49	0.71	0.69	0.62	0.50	0.74	0.71	0.64	0.52	0.74	0.72	0.65	0.53
		Delta T	18	18	17	15	19	18	17	15	19	18	17	15	19	19	18	15	19	18	17	15	17	17	16	14
		KW	3.06	3.12	3.22	3.32	3.29	3.36	3.47	3.58	3.49	3.57	3.68	3.81	3.67	3.75	3.88	4.01	3.83	3.91	4.04	4.18	3.96	4.05	4.18	4.32
		AMPS	11.4	11.7	12.1	12.5	12.4	12.7	13.1	13.6	13.4	13.8	14.2	14.7	14.3	14.7	15.2	15.8	15.3	15.6	16.2	16.8	16.2	16.6	17.1	17.8
		HI PR	153	165	174	182	172	185	195	204	196	211	222	232	223	240	253	264	251	270	285	297	277	298	315	328
		LO PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	76	81	69	73	80	85	71	76	83	88

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ARI Rating Conditions

HEAT PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA - HEATING OPERATION

MODEL: VHC18C2* / CA*F025*2 / MBR800 Conditions: 80 WB 67 DB @ 600 CFM

Outdoor Ambient Temperature																
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	21.4	20.2	19.0	17.8	17.0	16.5	15.3	14.1	11.2	10.4	9.5	9.0	8.7	7.8	6.9	6.0
T/R	29.3	27.8	26.1	24.4	23.3	22.6	21.0	19.4	15.4	14.2	13.1	12.3	11.9	10.7	9.5	8.2
KW	1.80	1.76	1.73	1.69	1.67	1.66	1.62	1.59	1.54	1.51	1.47	1.45	1.44	1.40	1.37	1.33
AMPS	8.5	7.9	7.4	7.0	6.7	6.6	6.2	5.9	5.7	5.4	5.2	5.1	5.0	4.7	4.4	4.2
COP	3.47	3.36	3.22	3.08	2.98	2.91	2.76	2.60	2.13	2.01	1.89	1.81	1.76	1.62	1.48	1.32
EER	11.9	11.5	11.0	10.5	10.2	9.9	9.4	8.9	7.3	6.9	6.5	6.2	6.0	5.5	5.0	4.5
HI PR	241	231	222	212	207	203	195	187	180	171	165	161	158	152	146	140
LO PR	73	68	64	58	55	53	49	43	39	35	31	29	28	23	20	17

MODEL: VHC24C2* / CA*F037*2 / MBR800 Conditions: 80 WB 67 DB @ 800 CFM

Outdoor Ambient Temperature																
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	27.9	26.4	24.9	23.2	22.2	21.5	20.0	18.4	15.1	13.9	12.8	12.1	11.7	10.5	9.3	8.1
T/R	32.3	30.6	28.8	26.9	25.7	24.9	23.1	21.3	17.5	16.1	14.9	14.0	13.5	12.1	10.7	9.4
KW	2.27	2.22	2.18	2.13	2.11	2.09	2.05	2.00	1.93	1.89	1.85	1.82	1.80	1.76	1.72	1.67
AMPS	9.4	8.7	8.2	7.7	7.4	7.3	6.9	6.5	6.2	6.0	5.7	5.6	5.5	5.2	4.9	4.6
COP	3.60	3.48	3.34	3.19	3.08	3.01	2.86	2.69	2.29	2.16	2.04	1.95	1.89	1.74	1.58	1.42
EER	12.3	11.9	11.4	10.9	10.5	10.3	9.8	9.2	7.8	7.4	7.0	6.7	6.5	6.0	5.4	4.8
HI PR	242	232	223	213	208	204	196	188	180	172	165	161	158	152	147	141
LO PR	80	74	69	63	60	58	53	47	43	38	33	31	30	25	22	18

MODEL: VHC30C2* / CA*F042*2 / MBR1200 Conditions: 80 WB 67 DB @ 1000 CFM

Outdoor Ambient Temperature																
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	35.7	33.8	31.8	29.7	28.4	27.5	25.6	23.6	22.4	20.7	19.1	18.0	17.3	15.6	13.8	12.0
T/R	31.5	29.8	28.0	26.2	25.0	24.3	22.5	20.8	19.8	18.3	16.8	15.9	15.3	13.7	12.2	10.6
KW	2.90	2.85	2.79	2.73	2.70	2.68	2.62	2.56	2.44	2.39	2.33	2.30	2.28	2.22	2.17	2.11
AMPS	13.7	12.7	11.9	11.2	10.8	10.6	10.0	9.5	9.1	8.7	8.2	8.0	7.9	7.5	7.0	6.6
COP	3.60	3.47	3.34	3.18	3.08	3.01	2.85	2.69	2.69	2.54	2.39	2.29	2.23	2.05	1.86	1.66
EER	12.3	11.9	11.4	10.9	10.5	10.3	9.8	9.2	9.2	8.7	8.2	7.8	7.6	7.0	6.4	5.7
HI PR	246	236	227	217	212	208	200	192	184	176	169	165	162	155	149	143
LO PR	75	69	65	60	56	54	50	44	40	36	31	29	28	24	21	17

MODEL: VHC36C2* / CA*F042*2 / MBR1600 Conditions: 80 WB 67 DB @ 1200 CFM HEATING OPERATION

Outdoor Ambient Temperature																
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5
MBh	41.5	39.3	37.0	34.6	33.0	32.0	29.7	27.4	25.9	23.9	22.0	20.8	20.0	18.0	15.9	13.9
T/R	29.8	28.2	26.5	24.8	23.7	23.0	21.3	19.7	18.6	17.2	15.8	14.9	14.4	12.9	11.4	10.0
KW	3.33	3.26	3.20	3.14	3.10	3.07	3.01	2.95	3.03	2.97	2.90	2.86	2.83	2.76	2.70	2.63
AMPS	16.9	15.6	14.6	13.7	13.2	12.9	12.2	11.5	11.0	10.5	10.0	9.7	9.6	9.1	8.5	7.9
COP	3.65	3.52	3.38	3.22	3.12	3.05	2.89	2.72	2.50	2.36	2.22	2.13	2.07	1.90	1.73	1.55
EER	12.5	12.0	11.5	11.0	10.6	10.4	9.9	9.3	8.5	8.1	7.6	7.3	7.1	6.5	5.9	5.3
HI PR	292	280	269	257	251	246	237	227	218	208	200	195	191	184	177	170
LO PR	73	68	63	58	55	53	49	43	39	35	31	29	28	23	20	17

High pressure is measured at the suction service valve (the larger valve). AMPS = Outdoor unit amps (comp. +fan)
Low pressure is measured at the gauge port connection. KW = Total system power
Calculations are based on nominal CFM and 70°F indoor dry bulb.

HEAT PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA - HEATING OPERATION

MODEL: VHC42C2* / CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1500 CFM

Outdoor Ambient Temperature																		
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	46.5	44.0	41.4	38.7	37.0	35.9	33.3	30.7	27.4	25.3	23.3	22.0	21.2	19.0	16.9	14.7	12.5	10.3
T/R	28.7	27.2	25.6	23.9	22.8	22.1	20.6	19.0	16.9	15.6	14.4	13.6	13.1	11.7	10.4	9.1	7.7	6.3
KW	3.54	3.48	3.41	3.34	3.30	3.27	3.21	3.14	3.02	2.95	2.89	2.85	2.82	2.76	2.69	2.62	2.56	2.49
AMPS	17.3	16.1	15.0	14.1	13.6	13.4	12.6	12.0	11.4	10.9	10.4	10.2	10.0	9.5	8.9	8.3	7.7	6.9
COP	3.84	3.71	3.56	3.39	3.28	3.21	3.04	2.87	2.66	2.51	2.36	2.26	2.20	2.02	1.83	1.64	1.44	1.21
EER	13.1	12.7	12.2	11.6	11.2	11.0	10.4	9.8	9.1	8.6	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.1
HI PR	246	236	227	217	212	208	200	192	184	176	169	165	162	155	149	143	138	133
LO PR	70	65	61	56	53	51	47	42	38	34	30	28	27	22	19	16	14	11

MODEL: VHC48C2*/CA*F060*2*/MBR2000 Conditions: 80 WB 67 DB @ 1600 CFM

Outdoor Ambient Temperature																		
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	33.9	31.3	28.8	27.2	26.2	23.5	20.8	18.2	15.5	12.7
T/R	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.6	18.1	16.7	15.7	15.2	13.6	12.1	10.5	9.0	7.4
KW	3.54	3.48	3.41	3.34	3.30	3.27	3.21	3.14	3.02	2.95	2.89	2.85	2.82	2.76	2.69	2.62	2.56	2.49
AMPS	17.3	16.1	15.0	14.1	13.6	13.4	12.6	12.0	11.4	10.9	10.4	10.2	10.0	9.5	8.9	8.3	7.7	6.9
COP	4.57	4.41	4.23	4.04	3.90	3.81	3.62	3.41	3.28	3.10	2.92	2.79	2.72	2.50	2.27	2.03	1.77	1.49
EER	15.6	15.1	14.5	13.8	13.3	13.0	12.4	11.6	11.2	10.6	10.0	9.5	9.3	8.5	7.7	6.9	6.1	5.1
HI PR	246	236	227	217	212	208	200	192	184	176	169	165	162	155	149	143	138	133
LO PR	70	65	61	56	53	51	47	42	38	34	30	28	27	22	19	16	14	11

MODEL: VHC60C2*/CA*F061*2*/MBR2000 Conditions: 80 WB 67 DB @ 1850 CFM

Outdoor Ambient Temperature																		
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	71.6	67.8	63.8	59.7	57.0	55.2	51.3	47.3	42.9	39.6	36.4	34.4	33.1	29.7	26.4	23.0	19.6	16.1
T/R	35.9	33.9	32.0	29.9	28.5	27.6	25.7	23.7	21.5	19.8	18.2	17.2	16.6	14.9	13.2	11.5	9.8	8.0
KW	3.54	3.48	3.41	3.34	3.30	3.27	3.21	3.14	3.02	2.95	2.89	2.85	2.82	2.76	2.69	2.62	2.56	2.49
AMPS	17.3	16.1	15.0	14.1	13.6	13.4	12.6	12.0	11.4	10.9	10.4	10.2	10.0	9.5	8.9	8.3	7.7	6.9
COP	5.92	5.71	5.48	5.23	5.05	4.94	4.68	4.41	4.15	3.92	3.69	3.53	3.43	3.16	2.87	2.56	2.24	1.89
EER	20.2	19.5	18.7	17.9	17.3	16.9	16.0	15.1	14.2	13.4	12.6	12.1	11.7	10.8	9.8	8.8	7.7	6.4
HI PR	246	236	227	217	212	208	200	192	184	176	169	165	162	155	149	143	138	133
LO PR	70	65	61	56	53	51	47	42	38	34	30	28	27	22	19	16	14	11

High pressure is measured at the suction service valve (the larger valve).

Low pressure is measured at the gauge port connection.

Calculations are based on nominal CFM and 70°F indoor dry bulb.

AMPS = Outdoor unit amps (comp. +fan)

KW = Total system power

PERFORMANCE DATA

PERFORMANCE TEST

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

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

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

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

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

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

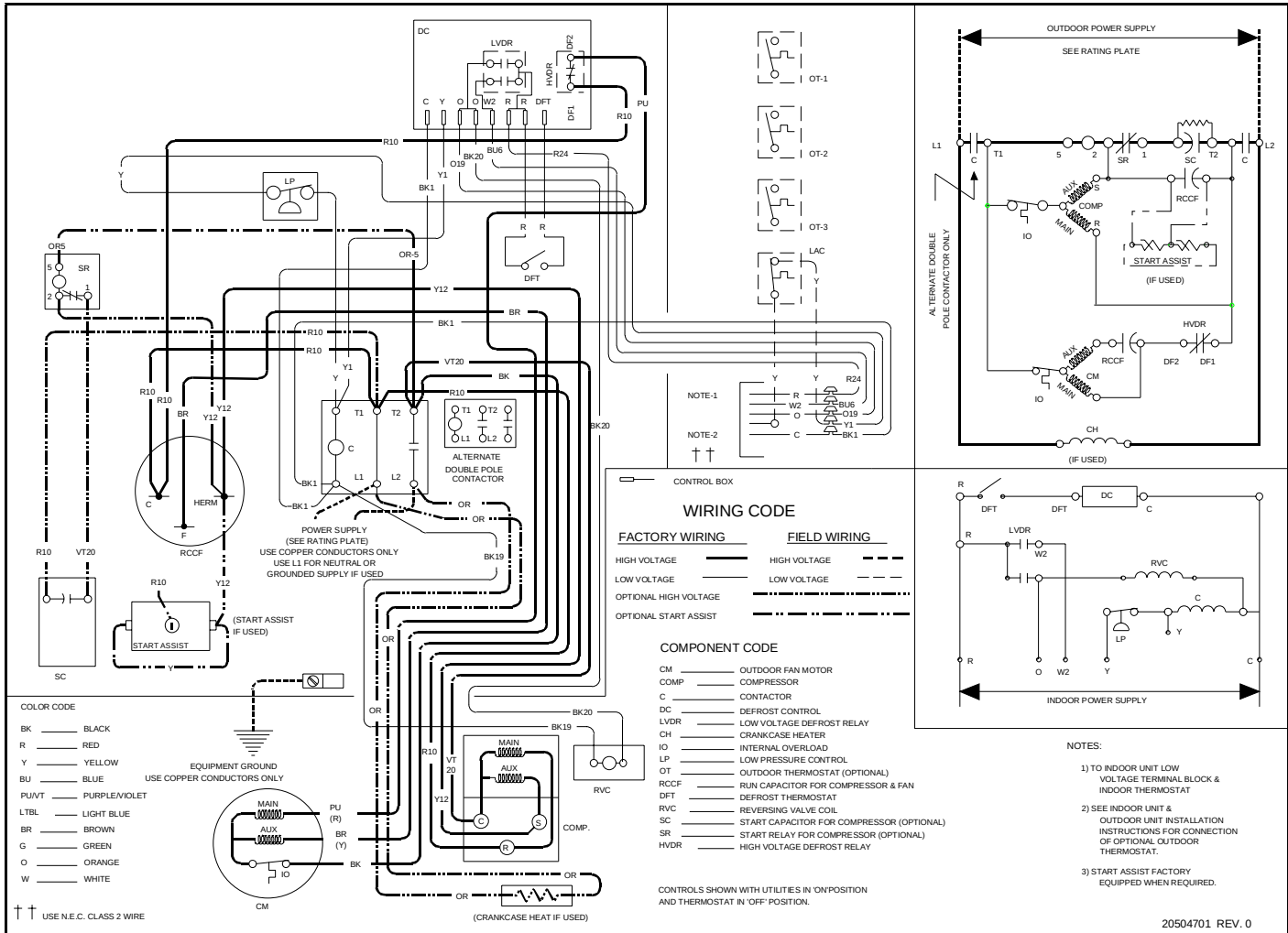
A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

WIRING DIAGRAMS



WARNING

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



VHC18-24,36-48C2A (Manufacturing Numbers P1247401-02C, P1247404-06C)

VHC18-42C2B (Manufacturing Numbers P1246307, P1247412C, P1247408C, P1247415C, P1247414C)

VHC18-48C2C (Manufacturing Numbers P1246312C, P1247416-21C)

VHC48-60C2D (Manufacturing Numbers P1247422-23C)

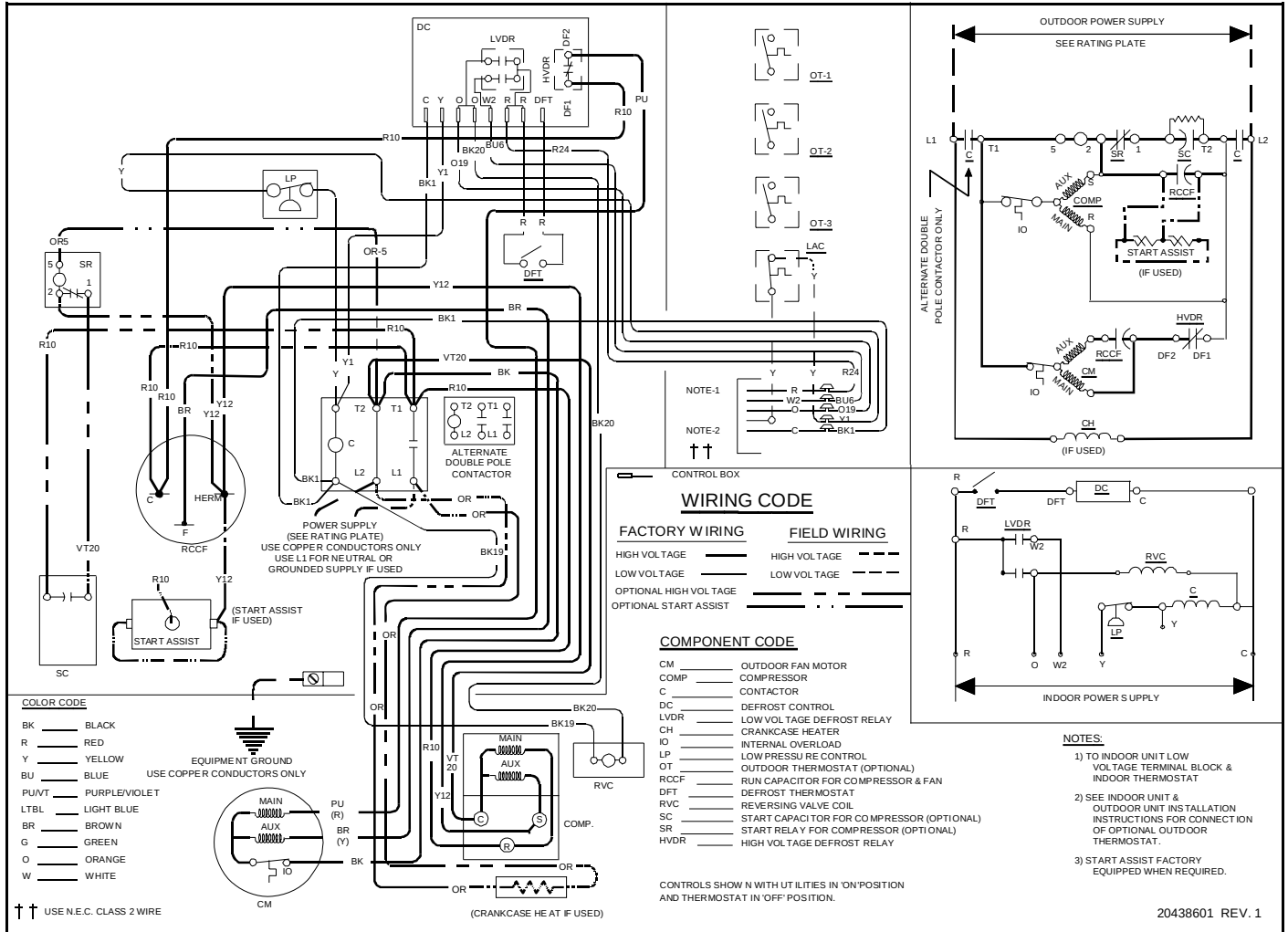
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS



WARNING

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



VHC30C2A (Manufacturing Numbers P1247403C)

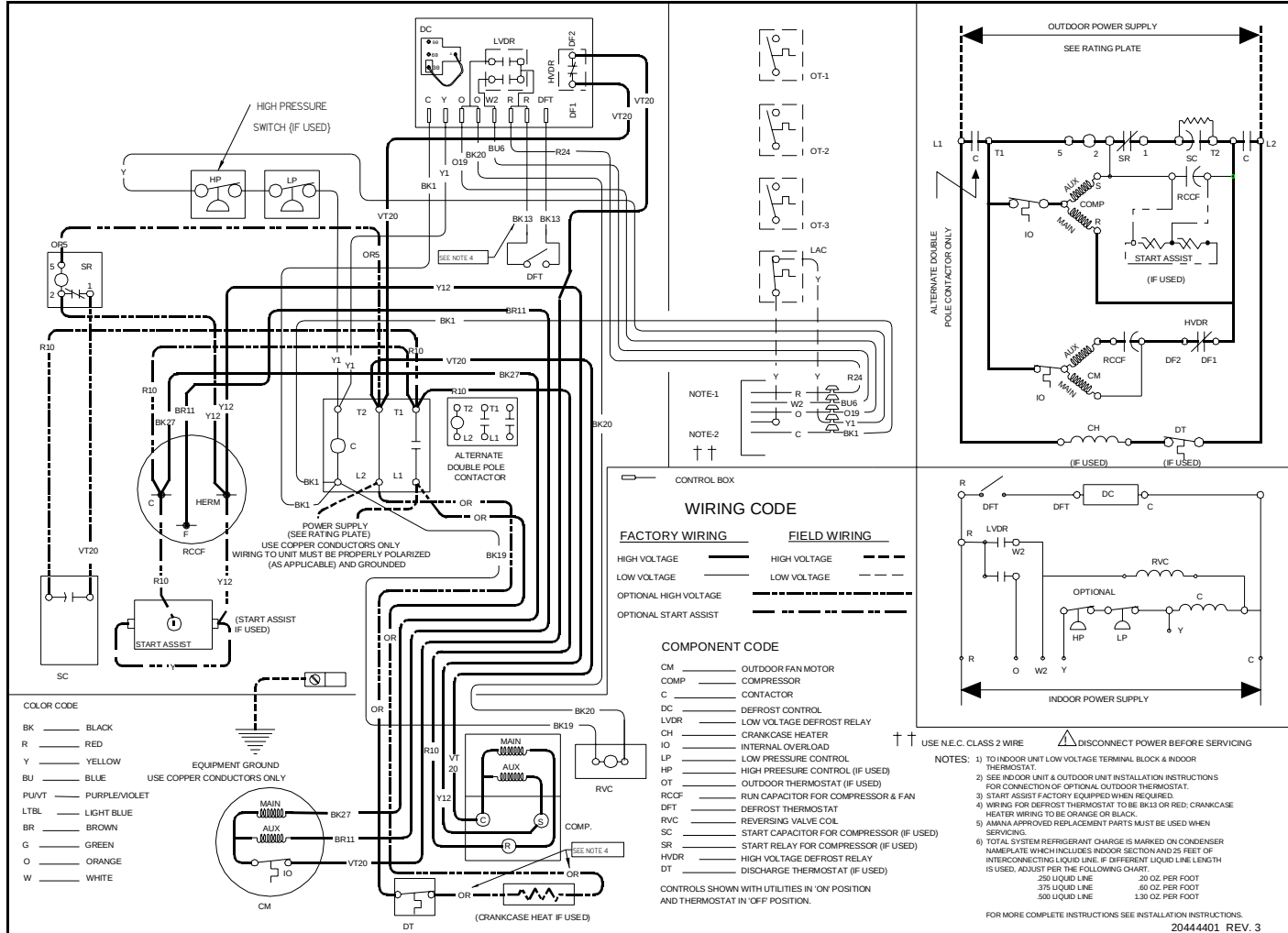
Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS



WARNING

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



VHC60C2A (Manufacturing Numbers P1247407C)
VHC60C2C (Manufacturing Numbers P1247421C)

Wiring is subject to change, always refer to the wiring diagram on the unit for the most up-to-date wiring.