

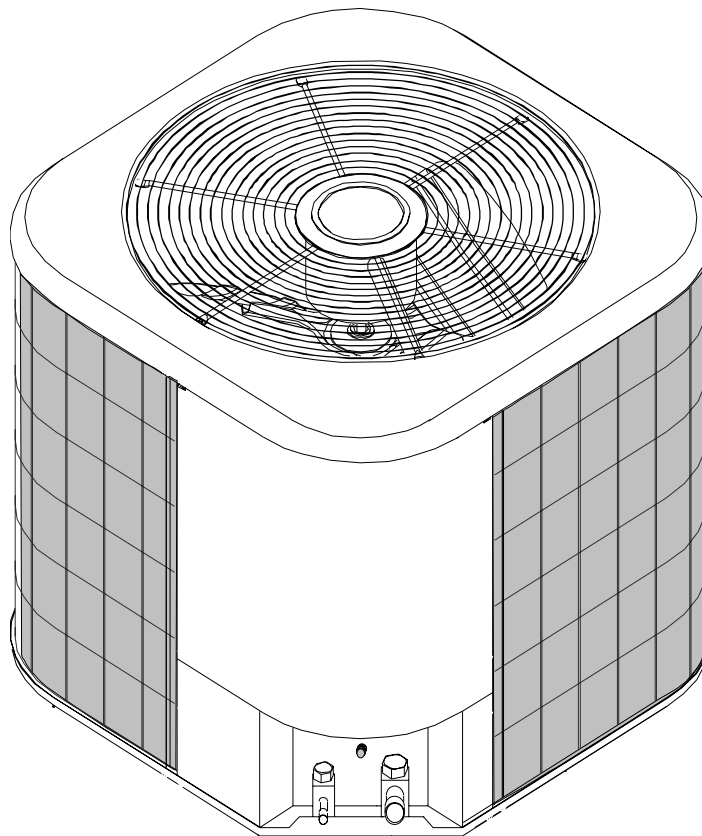
Technical Information

XH10__1A Remote Heat Pumps

- Refer to Service Manual XS6200003 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
XH10181A	P1244101C
XH10241A	P1244102C
XH10301A	P1244103C
XH10361A	P1244104C
XH10421A	P1244105C
XH10481A	P1244106C
XH10601A	P1244107C

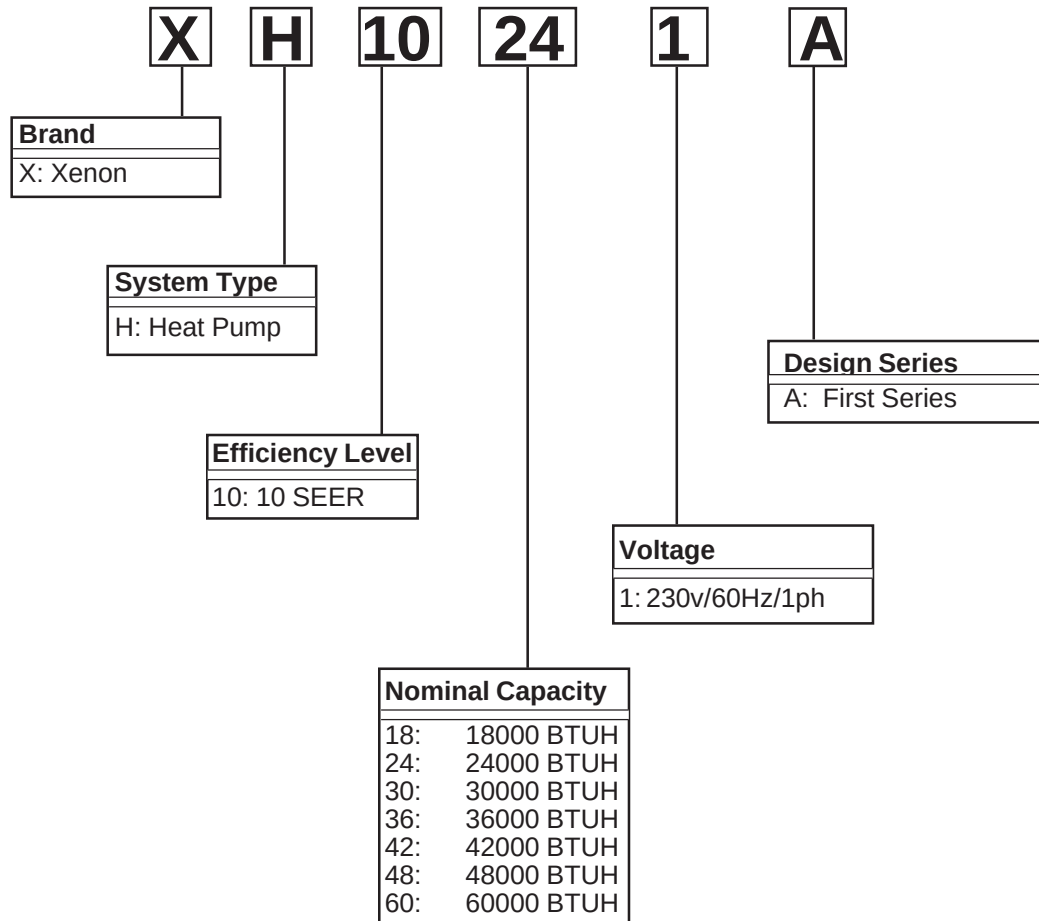


This manual is to be used by qualified HVAC technicians only. Xenon does not assume any responsibility for property damage or personal injury for improper service procedures done by an unqualified person.

PRODUCT IDENTIFICATION

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

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



WARNING

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

CAUTION

XENON 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

CONDENSING UNIT

The XH10**1A Remote Heat Pumps are made in 1.5 through 5 ton sizes. They are designed for dual voltage 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 25 foot refrigerant line set.

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

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

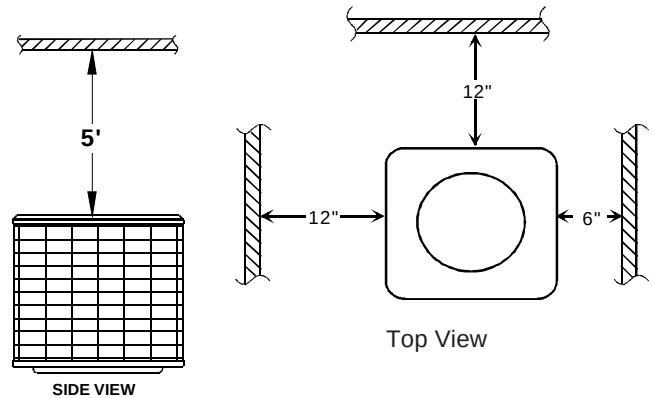
OUTDOOR UNIT

ORIFICE SIZING CHART

OUTDOOR UNIT	Orifice Size AeroQuip	Orifice Size Chatteff
XH10181A	0.055	0.055
XH10241A	0.063	0.063
XH10301A	0.065	0.065
XH10361A	0.069	0.069
XH10421A	0.074	0.074
XH10481A	0.084	0.084
XH10601A	0.098	0.098

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

MINIMUM CLEARANCES



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

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

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

DO NOT locate the unit:

- Directly under a vent termination for a gas appliance.
- Within 3 feet of a clothes drier vent.
- Where the refreezing of defrost water would create a hazard.
- Where water may rise into the unit.
- Unit must be elevated above normal expected snow level.

Outdoor Unit	Footprint Square	Unit Height
XH10181A	22 1/2" x 22 1/2"	26"
XH10241A	22 1/2" x 22 1/2"	32"
XH10301A	28 1/2" x 28 1/2"	26"
XH10361A	28 1/2" x 28 1/2"	30"
XH10421A	28 1/2" x 28 1/2"	34"
XH10481A	28 1/2" x 28 1/2"	30"
XH10601A	28 1/2" x 28 1/2"	30"

CONDENSING UNIT SPECIFICATIONS

MODEL	XH10181A	XH10241A	XH10301A	XH10361A	XH10421A	XH10481A	XH10601A
COOLING CAPACITY, BTUH	18000	24000	30000	36000	42000	48000	60000
COMPRESSOR							
R.L. AMPS	9.3	10.1	14.1	16.9	19.9	23.5	28.8
L.R. AMPS	49.0	56.0	73.0	93.0	103.0	131.0	169.0
CONDENSER FAN MOTOR							
HORSEPOWER	1/10	1/6	1/8	1/4	1/4	1/4	1/4
R.L. AMPS	0.8	1.1	1.3	1.7	1.7	1.7	1.7
L.R. AMPS	1.2	1.9	2.4	3.3	3.3	3.3	3.3
LIQUID LINE, INCHES O.D.	1/4*	3/8	3/8	3/8	3/8	3/8	3/8
SUCTION LINE, INCHES O.D.	5/8	3/4	3/4	3/4	7/8	7/8	1-1/8
REFRIGERANT CHARGE	76.0 oz.	94.0 oz.	96.0 oz.	141.0 oz.	139.0 oz.	181.0 oz.	167.0 oz.
POWER SUPPLY	208/230-60-1	208/230-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
MIN.CIRCUIT AMPACITY	12.5	13.7	18.9	22.8	26.6	32.4	37.7
MAX. OVERCURRENT DEVICE	20	20	30	35	40	50	60
ELECT. CONDUIT SIZE							
POWER SUPPLY	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
LOW VOLTAGE	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
APPROX. SHIPPING WT	140	150	160	170	180	170	180

* Installer must supply 1/4" to 3/8" adapter

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: XH10181A / CCA24FCC / BBA24A2A

COOLING OPERATION

IDB			Airflow			Outdoor Ambient Temperature										105										115									
						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		
675	MBh	18.6	19.3	21.1	-	18.2	18.8	20.7	-	17.8	18.4	20.2	-	17.3	18.0	19.7	-	16.5	17.1	18.7	-	15.2	15.8	17.3	-	15.2	15.8	17.3	-						
	S/T	0.71	0.59	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	-	0.82	0.68	0.47	-						
	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-						
	KW	1.54	1.57	1.62	-	1.66	1.69	1.75	-	1.76	1.80	1.86	-	1.86	1.90	1.96	-	1.94	1.98	2.05	-	2.01	2.05	2.12	-	2.01	2.05	2.12	-						
	AMPS	6.0	6.1	6.3	-	6.5	6.6	6.8	-	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.4	8.6	8.9	-	8.4	8.6	8.9	-						
	HI PR	154	166	175	-	173	186	197	-	197	212	224	-	224	241	255	-	252	272	287	-	279	300	317	-	279	300	317	-						
	LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-	78	83	90	-						
600	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	-	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	-	0.78	0.65	0.45	-						
	Delta T	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-						
	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	-	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	-	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	-	276	297	314	-						
	LO PR	62	65	71	-	65	69	75	-	68	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-	77	82	89	-						
525	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	-	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	-	0.75	0.63	0.43	-						
	Delta T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-						
	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	-	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	-	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	-	268	288	304	-						
	LO PR	60	63	69	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-	75	79	87	-						
675	MBh	18.9	19.5	21.1	22.6	18.5	19.0	20.6	22.1	18.1	18.6	20.1	21.6	17.6	18.1	19.6	21.1	16.7	17.2	18.6	20.0	15.5	16.0	17.3	18.5	15.5	16.0	17.3	18.5						
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	0.93	0.83	0.63	0.40						
	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	20	18	15	10						
	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	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	8.5	8.7	9.0	9.4						
	HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	257	269	255	274	290	302	282	303	320	334	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	83	91	97	78	83	91	97						
600	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	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	0.89	0.79	0.60	0.39						
	Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	20	19	15	11						
	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	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	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	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	78	83	90	96						
525	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	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	0.85	0.76	0.58	0.37						
	Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11						
	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	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	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	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	75	80	88	93						

EXPANDED PERFORMANCE DATA

MODEL: XH10181A / CCA24FCC / BBA24A2A

COOLING PERFORMANCE DATA

COOLING OPERATION

			65										75					85					95					105					115				
			Outdoor Ambient Temperature																									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	59	63	67	71			
80	675	MBh	19.3	19.7	21.0	22.5	18.8	19.2	20.5	22.0	18.4	18.8	20.1	21.4	17.9	18.3	19.6	20.9	17.0	17.4	18.6	19.9	15.8	16.1	17.2	18.4	15.8	16.1	17.2	18.4	15.8	16.1	17.2	18.4			
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.95	0.77	0.58	1.00	0.95	0.78	0.58	1.00	0.95	0.77	0.58	1.00	0.95	0.78	0.58			
		Delta T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15	21	20	17	14	11	8	5	2	0		
		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	2.04	2.09	2.16	2.23	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	8.6	8.8	9.1	9.4	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	284	306	323	337	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	79	84	92	98	79	84	92	98			
600	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	15.3	15.6	16.7	17.9	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	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55				
	Delta T	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15	23	22	19	15	23	22	19	15				
	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	2.02	2.07	2.14	2.21	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	8.5	8.7	9.0	9.4	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	282	303	320	334	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	78	84	91	97	78	84	91	97				
525	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	14.1	14.4	15.4	16.5	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	0.94	0.88	0.71	0.53	0.94	0.88	0.71	0.53				
	Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15	23	22	19	15	23	22	19	15				
	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	1.97	2.02	2.08	2.16	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	8.3	8.5	8.8	9.1	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	273	294	310	324	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	76	81	88	94	76	81	88	94				
675	MBh	19.6	20.0	20.9	22.3	19.2	19.5	20.4	21.8	18.7	19.1	20.0	21.3	18.2	18.6	19.5	20.8	17.3	17.7	18.5	19.7	16.1	16.4	17.1	18.3	16.1	16.4	17.1	18.3	16.1	16.4	17.1	18.3				
	S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75				
	Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	22	19	15	22	22	19	15	22	22	19	15				
	KW	1.58	1.61	1.66	1.72	1.70	1.74	1.79	1.85	1.81	1.85	1.91	1.98	1.91	1.95	2.01	2.08	1.99	2.03	2.10	2.17	2.06	2.11	2.18	2.25	2.06	2.11	2.18	2.25	2.06	2.11	2.18	2.25				
	AMPS	6.2	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.2	7.4	7.6	7.9	7.7	7.9	8.1	8.5	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	8.7	8.9	9.2	9.5	8.7	8.9	9.2	9.5				
	HI PR	159	171	181	188	178	192	203	212	203	218	231	241	231	249	263	274	260	280	296	308	287	309	327	341	287	309	327	341	287	309	327	341				
	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	80	85	93	99	80	85	93	99				
600	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	15.6	15.9	16.6	17.7	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	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72				
	Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20	24	24	23	20	24	24	23	20				
	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	2.04	2.09	2.16	2.23	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	8.6	8.8	9.1	9.4	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	284	306	323	337	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	79	84	92	98	79	84	92	98				
525	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	14.4	14.7	15.4	16.4	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	0.98	0.95	0.85	0.69	0.98	0.95	0.85	0.69				
	Delta T	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	25	24	23	20	25	24	23	20	25	24	23	20				
	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	1.99	2.03	2.10	2.17	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	8.4	8.6	8.8	9.2	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	276	297	314	327	276	297	314	327				
	LO PR	62	65	71																																	

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10241A / CCA24FCC/ BBA24A2A

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						
	900	MBh	22.7	23.6	25.8	-	22.2	23.0	25.2	-	21.7	22.5	24.6	-	21.1	21.9	24.0	-	20.1	20.8	22.8	-	18.6	19.3	21.1	-					
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-					
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-					
		KW	1.90	1.94	2.00	-	2.05	2.09	2.16	-	2.18	2.22	2.30	-	2.29	2.34	2.42	-	2.39	2.44	2.53	-	2.47	2.53	2.62	-					
		AMPS	7.3	7.4	7.7	-	7.9	8.1	8.3	-	8.5	8.8	9.0	-	9.1	9.4	9.7	-	9.7	10.0	10.3	-	10.3	10.6	10.9	-					
		HI PR	154	166	175	-	173	186	197	-	197	212	224	-	224	241	255	-	252	272	287	-	279	300	317	-					
		LO PR	64	68	74	-	67	72	78	-	70	74	81	-	73	78	85	-	77	82	89	-	80	85	92	-					
		MBh	22.1	22.9	25.1	-	21.6	22.3	24.5	-	21.0	21.8	23.9	-	20.5	21.3	23.3	-	19.5	20.2	22.2	-	18.1	18.7	20.5	-					
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-					
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-					
70	800	KW	1.88	1.92	1.98	-	2.03	2.07	2.14	-	2.16	2.21	2.28	-	2.27	2.32	2.40	-	2.37	2.42	2.50	-	2.45	2.51	2.59	-					
		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	-	9.6	9.9	10.2	-	10.2	10.5	10.8	-					
		HI PR	153	164	174	-	171	184	195	-	195	210	222	-	222	239	252	-	250	269	284	-	276	297	314	-					
		LO PR	63	67	73	-	67	71	77	-	69	74	80	-	73	77	84	-	76	81	88	-	79	84	91	-					
		MBh	20.4	21.1	23.1	-	19.9	20.6	22.6	-	19.4	20.1	22.1	-	19.0	19.6	21.5	-	18.0	18.7	20.4	-	16.7	17.3	18.9	-					
		S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-					
		ΔT	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-					
		KW	1.84	1.88	1.94	-	1.98	2.02	2.09	-	2.11	2.15	2.22	-	2.22	2.26	2.34	-	2.31	2.36	2.44	-	2.39	2.44	2.53	-					
		AMPS	7.0	7.2	7.4	-	7.6	7.8	8.0	-	8.2	8.4	8.7	-	8.8	9.0	9.3	-	9.4	9.6	9.9	-	9.9	10.2	10.5	-					
		HI PR	148	159	168	-	166	179	189	-	189	204	215	-	215	232	245	-	242	261	275	-	268	288	304	-					
LO PR	61	65	71	-	65	69	75	-	67	71	78	-	70	75	82	-	74	79	86	-	76	81	89	-							
	900	MBh	23.1	23.8	25.8	27.7	22.6	23.3	25.2	27.0	22.0	22.7	24.6	26.4	21.5	22.1	24.0	25.7	20.4	21.0	22.8	24.4	18.9	19.5	21.1	22.6					
		S/T	0.84	0.75	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	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42					
		ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10					
		KW	1.91	1.95	2.02	2.08	2.06	2.11	2.18	2.25	2.20	2.24	2.32	2.40	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.50	2.55	2.64	2.73					
		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	10.1	9.8	10.1	10.4	10.8	10.4	10.7	11.0	11.5					
		HI PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	257	269	255	274	290	302	282	303	320	334					
		LO PR	64	68	75	79	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99					
		MBh	22.4	23.1	25.0	26.8	21.9	22.6	24.4	26.2	21.4	22.0	23.9	25.6	20.9	21.5	23.3	25.0	19.8	20.4	22.1	23.7	18.4	18.9	20.5	22.0					
		S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.86	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40					
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10					
75	800	KW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.23	2.30	2.38	2.29	2.34	2.42	2.50	2.39	2.44	2.53	2.61	2.47	2.53	2.62	2.71					
		AMPS	7.3	7.4	7.7	8.0	7.9	8.1	8.3	8.6	8.5	8.8	9.0	9.4	9.1	9.4	9.7	10.0	9.7	10.0	10.3	10.7	10.3	10.6	10.9	11.3					
		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	64	68	74	79	67	72	78	83	70	74	81	86	73	78	85	91	77	82	89	95	80	85	92	98					
		MBh	20.7	21.3	23.1	24.8	20.2	20.8	22.6	24.2	19.8	20.3	22.0	23.6	19.3	19.8	21.5	23.1	18.3	18.9	20.4	21.9	17.0	17.5	18.9	20.3					
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39					
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10					
		KW	1.85	1.89	1.95	2.02	2.00	2.04	2.11	2.17	2.12	2.17	2.24	2.32	2.23	2.28	2.36	2.44	2.33	2.38	2.46	2.54	2.41	2.47	2.55	2.64					
		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	10.0	10.3	10.6	11.0					
		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	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95							

EXPANDED PERFORMANCE DATA

MODEL: XH10241A / CCA24FCC/ BBA24A2A

COOLING PERFORMANCE DATA

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						
	900	MBh	23.5	24.0	25.7	27.5	23.0	23.5	25.1	26.8	22.4	22.9	24.5	26.2	21.9	22.4	23.9	25.5	20.8	21.2	22.7	24.3	19.3	19.7	21.0	22.5					
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61					
		ΔT	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	17	14					
		KW	1.93	1.97	2.03	2.10	2.08	2.13	2.20	2.27	2.21	2.26	2.34	2.42	2.33	2.38	2.46	2.55	2.43	2.49	2.57	2.66	2.52	2.57	2.66	2.75					
		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	9.5	9.9	10.2	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.6					
		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	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100					
80	800	MBh	22.8	23.3	24.9	26.7	22.3	22.8	24.4	26.0	21.8	22.3	23.8	25.4	21.3	21.7	23.2	24.8	20.2	20.6	22.0	23.6	18.7	19.1	20.4	21.8					
		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58					
		ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	16	21	21	18	14					
		KW	1.91	1.96	2.02	2.08	2.06	2.11	2.18	2.25	2.20	2.24	2.32	2.40	2.31	2.36	2.44	2.52	2.41	2.46	2.55	2.63	2.50	2.55	2.64	2.73					
		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	10.1	9.8	10.1	10.4	10.8	10.4	10.7	11.0	11.5					
		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	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99					
	700	MBh	21.1	21.5	23.0	24.6	20.6	21.0	22.5	24.0	20.1	20.5	21.9	23.5	19.6	20.0	21.4	22.9	18.6	19.0	20.3	21.7	17.3	17.6	18.8	20.1					
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56					
		ΔT	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	1.87	1.91	1.97	2.03	2.01	2.06	2.12	2.19	2.14	2.19	2.26	2.33	2.25	2.30	2.38	2.46	2.35	2.40	2.48	2.57	2.43	2.49	2.57	2.66					
		AMPS	7.1	7.3	7.6	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	9.5	9.8	10.1	10.5	10.1	10.4	10.7	11.1					
		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	62	66	72	77	66	70	77	81	68	73	80	85	72	77	84	89	75	80	88	93	78	83	91	96					
	900	MBh	23.9	24.4	25.6	27.3	23.4	23.8	25.0	26.6	22.8	23.3	24.4	26.0	22.3	22.7	23.8	25.4	21.2	21.6	22.6	24.1	19.6	20.0	20.9	22.3					
		S/T	0.97	0.94	0.84	0.69	1.00	0.97	0.88	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79					
		ΔT	24	23	22	19	24	24	22	19	23	24	22	19	23	23	23	19	22	22	22	19	20	20	21	18					
		KW	1.94	1.99	2.05	2.12	2.10	2.14	2.21	2.29	2.23	2.28	2.36	2.44	2.35	2.40	2.48	2.57	2.45	2.51	2.59	2.68	2.54	2.60	2.68	2.78					
		AMPS	7.5	7.7	7.9	8.2	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.6	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.7					
		HI PR	159	171	181	188	178	192	203	212	203	218	231	241	231	249	263	274	260	280	296	308	287	309	327	341					
		LO PR	66	70	76	81	69	74	80	86	72	77	84	89	76	80	88	94	79	84	92	98	82	87	95	101					
	800	MBh	23.2	23.7	24.8	26.5	22.7	23.1	24.2	25.9	22.2	22.6	23.7	25.2	21.6	22.0	23.1	24.6	20.5	20.9	21.9	23.4	19.0	19.4	20.3	21.7					
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75					
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	22	22	19					
		KW	1.93	1.97	2.03	2.10	2.08	2.13	2.20	2.27	2.21	2.26	2.34	2.42	2.33	2.38	2.46	2.55	2.43	2.49	2.57	2.66	2.52	2.57	2.66	2.75					
		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	9.5	9.9	10.2	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.6					
		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	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100					
	700	MBh	21.5	21.9	22.9	24.4	21.0	21.4	22.4	23.9	20.5	20.9	21.8	23.3	20.0	20.3	21.3	22.7	19.0	19.3	20.2	21.6	17.6	17.9	18.7	20.0					
		S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.91	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72					
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	25	25	24	20	23	23	22	19					
		KW	1.88	1.92	1.98	2.05	2.03	2.07	2.14	2.21	2.16	2.21	2.28	2.35	2.27	2.32	2.40	2.48	2.37	2.42	2.50	2.59	2.45	2.51	2.59	2.68					
		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	9.6	9.9	10.2	10.6	10.2	10.5	10.8	11.2					
		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	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97					

Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction service valves.

IDB: Entering Indoor Dry Bulb Temperature

KW=Total system power

AMPS=outdoor unit amps (comp.+fan)

EXPANDED PERFORMANCE DATA

MODEL: XH10301A / CCA36FCC / BBA36A2A

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
70	1125	MBh	28.2	29.3	32.0	-	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.2	29.8	-	24.9	25.8	28.3	-	23.1	23.9	26.2	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	2.29	2.33	2.41	-	2.46	2.51	2.59	-	2.61	2.66	2.75	-	2.74	2.80	2.89	-	2.85	2.91	3.01	-	2.95	3.01	3.11	-
		AMPS	8.7	8.9	9.2	-	9.4	9.6	9.9	-	10.2	10.4	10.8	-	10.9	11.1	11.5	-	11.6	11.8	12.2	-	12.2	12.5	12.9	-
	1000	HIPR	153	165	174	-	172	185	195	-	195	210	222	-	222	239	253	-	250	269	284	-	276	297	314	-
		LOPR	64	68	74	-	67	72	78	-	70	74	81	-	74	78	85	-	77	82	90	-	80	85	93	-
		MBh	27.4	28.4	31.1	-	26.8	27.7	30.4	-	26.1	27.1	29.7	-	25.5	26.4	28.9	-	24.2	25.1	27.5	-	22.4	23.2	25.5	-
		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	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
875	KW	2.27	2.32	2.39	-	2.44	2.49	2.57	-	2.59	2.64	2.72	-	2.72	2.77	2.86	-	2.83	2.89	2.98	-	2.92	2.99	3.08	-	
	AMPS	8.6	8.8	9.1	-	9.3	9.5	9.8	-	10.1	10.3	10.7	-	10.8	11.0	11.4	-	11.4	11.7	12.1	-	12.1	12.4	12.8	-	
	HIPR	151	163	172	-	170	183	193	-	193	208	220	-	220	237	250	-	248	267	281	-	274	295	311	-	
	LOPR	63	67	73	-	67	71	77	-	69	74	81	-	73	77	85	-	76	81	89	-	79	84	92	-	
	MBh	25.3	26.2	28.7	-	24.7	25.6	28.1	-	24.1	25.0	27.4	-	23.5	24.4	26.7	-	22.3	23.2	25.4	-	20.7	21.5	23.5	-	
75	1125	S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		ΔT	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.22	2.26	2.33	-	2.38	2.43	2.51	-	2.52	2.58	2.66	-	2.65	2.71	2.79	-	2.76	2.82	2.91	-	2.85	2.91	3.01	-
		AMPS	8.4	8.6	8.9	-	9.1	9.3	9.6	-	9.8	10.1	10.4	-	10.5	10.7	11.1	-	11.1	11.4	11.8	-	11.8	12.1	12.5	-
		HIPR	147	158	167	-	165	177	187	-	188	202	213	-	214	230	243	-	240	259	273	-	265	286	302	-
	1000	LOPR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	81	89	-
		MBh	28.7	29.5	32.0	34.3	28.0	28.9	31.2	33.5	27.4	28.2	30.5	32.7	26.7	27.5	29.8	31.9	25.4	26.1	28.3	30.3	23.5	24.2	26.2	28.1
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.87	0.65	0.42	0.98	0.87	0.66	0.42
		ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		KW	2.31	2.35	2.42	2.50	2.48	2.53	2.61	2.69	2.63	2.68	2.77	2.86	2.76	2.82	2.91	3.00	2.87	2.94	3.03	3.13	2.97	3.04	3.13	3.24
875	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	11.9	12.3	12.8	12.3	12.6	13.1	13.5	
	HIPR	155	166	176	183	173	187	197	206	197	212	224	234	225	242	255	266	253	272	287	300	279	300	317	331	
	LOPR	64	69	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	81	86	94	100	
	MBh	27.9	28.7	31.1	33.3	27.2	28.0	30.3	32.6	26.6	27.4	29.6	31.8	25.9	26.7	28.9	31.0	24.6	25.4	27.4	29.5	22.8	23.5	25.4	27.3	
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.41	
75	1000	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	2.29	2.34	2.41	2.48	2.46	2.51	2.59	2.67	2.61	2.66	2.75	2.83	2.74	2.80	2.89	2.98	2.85	2.91	3.01	3.10	2.95	3.01	3.11	3.21
		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	12.9	13.4
		HIPR	153	165	174	181	172	185	195	204	195	210	222	231	222	239	253	264	250	269	284	297	276	298	314	328
		LOPR	64	68	74	79	67	72	78	83	70	75	81	87	74	78	85	91	77	82	90	95	80	85	93	99
	875	MBh	25.7	26.5	28.7	30.8	25.1	25.9	28.0	30.0	24.5	25.2	27.3	29.3	23.9	24.6	26.7	28.6	22.7	23.4	25.3	27.2	21.1	21.7	23.5	25.2
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	2.24	2.28	2.35	2.42	2.40	2.45	2.53	2.60	2.55	2.60	2.68	2.77	2.67	2.73	2.82	2.91	2.78	2.84	2.93	3.03	2.88	2.94	3.03	3.13
		AMPS	8.5	8.7	9.0	9.3	9.1	9.4	9.7	10.0	9.9	10.1	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1
875	HIPR	148	160	169	176	167	179	189	197	189	204	215	225	216	232	245	256	243	261	276	288	268	289	305	318	
	LOPR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96	

Shaded area is ACCA (TVA) conditions

High and low pressures are measured at the liquid and suction service valves.

KW=Total system power

AMPS=outdoor unit amps (comp.+fan)

EXPANDED PERFORMANCE DATA

MODEL: XH10301A / CCA36FCC / BBA36A2A

COOLING OPERATION

COOLING PERFORMANCE DATA

			Outdoor Ambient Temperature										105										115									
			85										95																			
			75										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	1125	MBh	29.2	29.8	31.9	34.1	28.5	29.2	31.1	33.3	27.9	28.5	30.4	32.5	27.2	27.8	29.7	31.7	25.8	26.4	28.2	30.1	23.9	24.4	26.1	27.9	23.9	24.4	26.1	27.9		
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.61		
		ΔT	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	17	14	20	20	17	14		
		KW	2.32	2.37	2.44	2.52	2.50	2.55	2.63	2.71	2.65	2.70	2.79	2.88	2.78	2.84	2.93	3.03	2.90	2.96	3.06	3.16	3.00	3.06	3.16	3.27	3.00	3.06	3.16	3.27		
		AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.6	11.0	11.4	11.1	11.3	11.7	12.1	11.8	12.1	12.4	12.9	12.5	12.8	13.2	13.7	12.5	12.8	13.2	13.7		
	1000	HI PR	156	168	177	185	175	189	199	208	199	214	226	236	227	244	258	269	255	275	290	303	282	304	321	334	282	304	321	334		
		LO PR	65	69	76	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	87	94	101	81	87	94	101		
		MBh	28.4	29.0	31.0	33.1	27.7	28.3	30.2	32.3	27.0	27.6	29.5	31.6	26.4	27.0	28.8	30.8	25.1	25.6	27.4	29.2	23.2	23.7	25.3	27.1	23.2	23.7	25.3	27.1		
		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	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.58		
		ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	16	21	21	18	14	21	21	18	14		
875	1000	KW	2.31	2.35	2.42	2.50	2.48	2.53	2.61	2.69	2.63	2.68	2.77	2.86	2.76	2.82	2.91	3.00	2.87	2.94	3.03	3.13	2.97	3.04	3.13	3.24	2.97	3.04	3.13	3.24		
		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	11.9	12.3	12.8	12.3	12.6	13.1	13.5	12.3	12.6	13.1	13.5		
		HI PR	155	166	176	183	173	187	197	206	197	212	224	234	225	242	255	266	253	272	287	300	279	301	317	331	279	301	317	331		
		LO PR	64	69	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	81	86	94	100	81	86	94	100		
		MBh	26.2	26.7	28.6	30.5	25.6	26.1	27.9	29.8	25.0	25.5	27.2	29.1	24.3	24.9	26.6	28.4	23.1	23.6	25.3	27.0	21.4	21.9	23.4	25.0	21.4	21.9	23.4	25.0		
	875	S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.91	0.74	0.56	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56		
		ΔT	24	23	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		
		KW	2.25	2.30	2.37	2.44	2.42	2.47	2.55	2.63	2.57	2.62	2.70	2.79	2.69	2.75	2.84	2.93	2.80	2.86	2.96	3.05	2.90	2.96	3.06	3.16	2.90	2.96	3.06	3.16		
		AMPS	8.6	8.8	9.0	9.4	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.4	12.0	12.3	12.7	13.2	12.0	12.3	12.7	13.2		
		HI PR	150	161	170	178	168	181	191	199	191	206	217	227	218	235	248	258	245	264	279	291	271	292	308	321	271	292	308	321		
		LO PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	93	78	83	91	97	78	83	91	97		
85	1125	MBh	29.7	30.3	31.7	33.9	29.0	29.6	31.0	33.1	28.3	28.9	30.3	32.3	27.6	28.2	29.5	31.5	26.3	26.8	28.0	29.9	24.3	24.8	26.0	27.7	24.3	24.8	26.0	27.7		
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.79		
		ΔT	24	23	22	19	24	24	22	19	23	24	22	19	23	23	23	19	21	22	22	19	20	20	21	18	20	20	21	18		
		KW	2.34	2.39	2.46	2.54	2.52	2.57	2.65	2.73	2.67	2.73	2.81	2.90	2.81	2.87	2.96	3.05	2.92	2.98	3.08	3.18	3.02	3.09	3.19	3.29	3.02	3.09	3.19	3.29		
		AMPS	8.9	9.2	9.4	9.8	9.6	9.9	10.2	10.6	10.5	10.7	11.1	11.5	11.2	11.4	11.8	12.3	11.9	12.2	12.6	13.0	12.6	12.9	13.3	13.8	12.6	12.9	13.3	13.8		
	1000	HI PR	158	170	179	187	177	190	201	210	201	217	229	238	229	247	260	272	258	277	293	306	285	307	324	338	285	307	324	338		
		LO PR	66	70	76	81	69	74	81	86	72	77	84	89	76	81	88	94	79	85	92	98	82	87	95	102	82	87	95	102		
		MBh	28.9	29.4	30.8	32.9	28.2	28.7	30.1	32.1	27.5	28.0	29.4	31.3	26.8	27.4	28.7	30.6	25.5	26.0	27.2	29.0	23.6	24.1	25.2	26.9	23.6	24.1	25.2	26.9		
		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	1.00	1.00	0.93	0.76		
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	23	24	23	20	22	22	22	19	22	22	22	19		
875	1000	KW	2.32	2.37	2.44	2.52	2.50	2.55	2.63	2.71	2.65	2.70	2.79	2.88	2.78	2.84	2.93	3.03	2.90	2.96	3.06	3.16	3.00	3.06	3.16	3.27	3.00	3.06	3.16	3.27		
		AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.6	11.0	11.4	11.1	11.3	11.7	12.1	11.8	12.1	12.4	12.9	12.5	12.8	13.2	13.7	12.5	12.8	13.2	13.7		
		HI PR	156	168	177	185	175	189	199	208	199	214	226	236	227	244	258	269	255	275	290	303	282	304	321	334	282	304	321	334		
		LO PR	65	69	76	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	87	94	101	81	87	94	101		
		MBh	26.6	27.1	28.4	30.3	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.8	25.3	26.4	28.2	23.5	24.0	25.1	26.8	21.8	22.2	23.3	24.8	21.8	22.2	23.3	24.8		
	875	S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73	1.00	0.99	0.90	0.73		
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	25	25	24	20	23	23	22	19	23	23	22	19		
875	1000	KW	2.27	2.32	2.39	2.46	2.44	2.49	2.57	2.65	2.59	2.64	2.72	2.81	2.72	2.77	2.86	2.95	2.83	2.89	2.98	3.08	2.92	2.99	3.08	3.18	2.92	2.99	3.08	3.18		
		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	11.4	11.7	12.1	12.6	12.1	12.4	12.8	13.3	12.1	12.4	12.8	13.3		
		HI PR	151	163	172	179	170	183	193	201	193	208	220	229	220	237	250	261	248	266	281	293	274	294	311	324	274	294	311	324		
		LO PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	85	90	76	81	89	94	79	84	92	98	79	84	92	98		
		MBh	26.6	27.1	28.4	30.3	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.8	25.3	26.4	28.2	23.5	24.0	25.1	26.8	21.8	22.2	23.3	24.8	21.8	22.2	23.3	24.8		
	875	S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73	1.00	0.99	0.90	0.73		
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	25	25	24	20	23	23	22	19	23	23	22	19		

EXPANDED PERFORMANCE DATA

MODEL: XH10361A / CCA42FCC/ BBA36A2A

COOLING OPERATION

IDB		Airflow		Outdoor Ambient Temperature																			
				65				75				85				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				
1350	MBh	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	30.0	31.1	34.0	-		
	ST	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-		
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-		
	KW	2.79	2.85	2.93	-	2.99	3.06	3.15	-	3.18	3.24	3.34	-	3.34	3.41	3.51	-	3.47	3.55	3.66	-		
	AMPS	10.8	11.0	11.4	-	11.6	11.9	12.3	-	12.6	12.9	13.3	-	13.5	13.8	14.2	-	14.3	14.7	15.1	-		
	HiPR	157	169	179	-	177	190	201	-	201	216	228	-	229	246	260	-	257	277	292	-		
	LOPR	64	68	74	-	68	72	79	-	70	75	82	-	74	79	86	-	77	82	90	-		
1200	MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.6	-	30.6	31.7	34.8	-	29.1	30.2	33.0	-		
	ST	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.66	0.45	-	0.81	0.68	0.47	-		
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-		
	KW	2.77	2.82	2.91	-	2.97	3.03	3.13	-	3.15	3.22	3.32	-	3.31	3.38	3.49	-	3.44	3.52	3.63	-		
	AMPS	10.7	10.9	11.3	-	11.5	11.8	12.2	-	12.5	12.8	13.2	-	13.3	13.7	14.1	-	14.2	14.5	15.0	-		
	HiPR	156	168	177	-	175	188	199	-	199	214	226	-	226	244	257	-	255	274	289	-		
	LOPR	63	67	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	81	89	-		
1050	MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	26.9	27.8	30.5	-		
	ST	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-		
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-		
	KW	2.71	2.76	2.84	-	2.90	2.96	3.05	-	3.08	3.14	3.24	-	3.23	3.30	3.40	-	3.36	3.43	3.54	-		
	AMPS	10.4	10.7	11.0	-	11.2	11.5	11.9	-	12.2	12.5	12.9	-	13.0	13.3	13.7	-	13.8	14.1	14.6	-		
	HiPR	151	163	172	-	170	182	193	-	193	207	219	-	220	236	250	-	247	266	281	-		
	LOPR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-		
1350	MBh	34.48	35.50	38.43	41.24	33.68	34.67	37.53	40.28	32.88	33.85	36.64	39.32	32.07	33.02	35.74	38.36	30.47	31.37	33.96	36.45		
	ST	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42		
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10		
	KW	2.81	2.87	2.96	3.05	3.02	3.08	3.18	3.28	3.20	3.27	3.37	3.48	3.36	3.43	3.54	3.66	3.50	3.58	3.69	3.81		
	AMPS	10.9	11.1	11.5	11.9	11.7	12.0	12.4	12.9	12.7	13.0	13.5	14.0	13.6	13.9	14.4	14.9	14.4	14.8	15.3	15.9		
	HiPR	159	171	181	188	178	192	203	211	203	218	230	240	231	249	262	274	260	280	295	308		
	LOPR	65	69	75	80	68	73	79	84	71	76	82	88	75	79	87	92	78	83	91	97		
1200	MBh	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.9	35.6	38.2	31.1	32.1	34.7	37.2	29.6	30.5	33.0	35.4		
	ST	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40		
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11		
	KW	2.79	2.85	2.93	3.02	3.00	3.06	3.15	3.25	3.18	3.24	3.34	3.45	3.34	3.41	3.52	3.63	3.47	3.55	3.66	3.78		
	AMPS	10.8	11.0	11.4	11.8	11.6	11.9	12.3	12.7	12.6	12.9	13.3	13.8	13.5	13.8	14.2	14.8	14.3	14.7	15.1	15.7		
	HiPR	157	169	179	186	177	190	201	209	201	216	228	238	229	246	260	271	257	277	292	305		
	LOPR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96		
1050	MBh	30.9	31.8	34.4	37.0	30.2	31.1	33.6	36.1	29.5	30.3	32.8	35.2	28.7	29.6	32.0	34.4	27.3	28.1	30.4	32.7		
	ST	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		
	ΔT	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11		
	KW	2.73	2.78	2.86	2.95	2.93	2.99	3.08	3.17	3.10	3.17	3.26	3.37	3.26	3.33	3.43	3.54	3.39	3.46	3.57	3.69		
	AMPS	10.5	10.7	11.1	11.5	11.3	11.6	12.0	12.4	12.3	12.6	13.0	13.5	13.1	13.4	13.9	14.4	13.9	14.3	14.7	15.3		
	HiPR	153	164	173	181	171	184	195	203	195	210	221	231	222	239	252	263	250	269	284	296		
	LOPR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93		

Shaded area is ACCA (TVA) conditions

Shaded area is ACCA (TVA) conditions
IDB: Entering Inc
High and low pressures are measured at the liquid and suction service valves.

KW=Total system power

AMPS=outdoor unit amps (comp.+fan)

EXPANDED PERFORMANCE DATA

MODEL: XH10361A / CCA42FCC/ BBA36A2A

COOLING PERFORMANCE DATA

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														
80	1350	MBh	35.09	35.86	38.31	40.95	34.28	35.03	37.42	40.00	33.46	34.19	36.53	39.05	32.64	33.36	35.64	38.10	31.01	31.69	33.86	36.19	28.73	29.35	31.36	33.53	25.73	26.35	28.36	30.69	22.73	23.35	25.36	27.69	19.73	20.35	22.36	24.69	16.73	17.35	19.36	21.69		
		ST	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61		
		ΔT	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14	22	21	19	15	23	22	19	15	20	20	18	14	22	21	19	15		
		KW	2.83	2.89	2.98	3.07	3.04	3.11	3.20	3.30	3.23	3.30	3.40	3.51	3.39	3.46	3.57	3.69	3.53	3.60	3.72	3.84	3.65	3.73	3.85	3.98	3.73	3.81	3.93	4.05	3.87	3.95	4.07	3.89	3.97	4.09	3.91	3.99	4.11	3.93	4.01			
		AMPS	11.0	11.2	11.6	12.0	11.8	12.1	12.5	13.0	12.8	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.6	14.9	15.4	16.0	15.4	15.8	16.3	16.9	15.4	15.8	16.3	16.9	16.3	16.7	17.1	17.5	17.9	18.3	18.7	19.1	19.5	19.9	20.3			
	1200	HI PR	161	173	182	190	180	194	205	213	205	220	233	243	233	251	265	277	262	282	298	311	290	312	330	344	281	303	320	333	311	329	347	365	383	401	419	437	455	473	491	509		
		LO PR	65	69	76	81	69	73	80	85	72	76	83	89	75	80	87	93	79	84	92	98	82	87	95	101	77	82	90	98	106	114	122	130	138	146	154	162	170	178	186			
		MBh	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	34.6	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.4	32.5	25.7	26.3	28.3	30.6	22.7	23.3	25.3	27.6	19.7	20.3	22.3	24.6	16.7	17.3	19.3	21.6		
		ST	0.89	0.84	0.68	0.51	0.92	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	0.58	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61		
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15	23	22	19	15	23	22	19	15	20	20	18	14	22	21	19	15		
1050	1200	KW	2.81	2.87	2.96	3.05	3.02	3.08	3.18	3.28	3.20	3.27	3.37	3.48	3.36	3.43	3.54	3.66	3.50	3.58	3.69	3.81	3.62	3.70	3.82	3.94	3.70	3.78	3.90	4.02	3.84	3.92	4.04	3.86	3.94	4.06	3.88	3.96	4.08	3.90	3.98	4.10	3.92	4.00
		AMPS	10.9	11.1	11.5	11.9	11.7	12.0	12.4	12.9	12.7	13.0	13.5	14.0	13.6	13.9	14.4	14.9	14.4	14.8	15.3	15.9	15.3	15.7	16.2	16.8	15.3	15.7	16.2	16.8	17.4	18.0	18.6	19.2	19.8	20.4	21.0	21.6	22.2	22.8	23.4	24.0		
		HI PR	159	171	181	188	178	192	203	211	203	218	230	240	231	249	263	274	260	280	295	308	287	309	326	340	281	303	320	333	311	329	347	365	383	401	419	437	455	473	491	509		
		LO PR	65	69	75	80	68	73	79	84	71	76	82	88	75	79	87	92	78	83	91	97	81	86	94	100	77	82	90	98	106	114	122	130	138	146	154	162	170	178	186			
		MBh	31.4	32.1	34.3	36.7	30.7	31.4	33.5	35.8	30.0	30.6	32.7	35.0	29.3	29.9	31.9	34.1	27.8	28.4	30.3	32.4	25.7	26.3	28.1	30.0	25.7	26.3	28.3	30.6	22.7	23.3	25.3	27.6	19.7	20.3	22.3	24.6	16.7	17.3	19.3	21.6		
	1050	ST	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	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61		
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	23	22	19	15	23	22	19	15	20	20	18	14	22	21	19	15		
		KW	2.75	2.80	2.89	2.98	2.95	3.01	3.10	3.20	3.13	3.19	3.29	3.40	3.28	3.35	3.46	3.57	3.42	3.49	3.60	3.72	3.53	3.61	3.72	3.84	3.61	3.69	3.81	3.93	4.05	3.87	3.95	4.07	3.89	3.97	4.09	3.91	3.99	4.11	3.93	4.01		
		AMPS	10.6	10.8	11.2	11.6	11.4	11.7	12.1	12.5	12.4	12.7	13.1	13.6	13.2	13.5	14.0	14.5	14.1	14.4	14.9	15.4	14.9	15.2	15.7	16.3	15.2	15.6	16.1	16.7	17.3	17.9	18.5	19.1	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9		
		HI PR	154	166	175	183	173	186	197	205	197	212	224	233	224	241	255	266	252	271	286	299	279	300	316	330	281	303	320	333	311	329	347	365	383	401	419	437	455	473	491	509		
		LO PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	77	82	90	98	106	114	122	130	138	146	154	162	170	178	186			

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10421A / CCA48FCC/ BBA48A2A

COOLING OPERATION

IDB			Airflow			Outdoor Ambient Temperature																							
						65				75				85				95				105				115			
						Entering Indoor Wet Bulb Temperature																							
70	1575	MBh	39.2	40.6	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	34.6	35.9	39.3	-	32.1	33.3	36.4	-			
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-			
		ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-			
		KW	3.24	3.31	3.41	-	3.48	3.56	3.67	-	3.70	3.77	3.89	-	3.88	3.97	4.09	-	4.04	4.13	4.26	-	4.18	4.27	4.41	-			
		AMPS	12.8	13.1	13.5	-	13.8	14.1	14.6	-	15.0	15.3	15.8	-	16.0	16.4	16.9	-	17.0	17.4	18.0	-	18.0	18.5	19.1	-			
		HI PR	153	165	174	-	172	185	195	-	196	210	222	-	223	240	253	-	251	270	285	-	277	298	315	-			
		LO PR	60	64	70	-	64	68	74	-	66	70	77	-	69	74	81	-	73	77	84	-	75	80	87	-			
		MBh	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4	-			
		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	-			
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-			
70	1400	KW	3.22	3.28	3.38	-	3.46	3.53	3.64	-	3.67	3.74	3.86	-	3.85	3.93	4.06	-	4.01	4.10	4.23	-	4.14	4.23	4.37	-			
		AMPS	12.7	13.0	13.4	-	13.7	14.0	14.5	-	14.8	15.2	15.7	-	15.9	16.2	16.8	-	16.9	17.3	17.9	-	17.9	18.3	18.9	-			
		HI PR	152	163	172	-	170	183	193	-	194	208	220	-	221	237	251	-	248	267	282	-	274	295	311	-			
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	74	79	86	-			
		MBh	35.1	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.0	32.2	35.2	-	28.8	29.8	32.7	-			
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-			
		ΔT	18	15	12	-	18	15	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-			
		KW	3.14	3.21	3.30	-	3.38	3.45	3.55	-	3.58	3.65	3.77	-	3.76	3.84	3.96	-	3.91	4.00	4.12	-	4.04	4.13	4.26	-			
		AMPS	12.3	12.6	13.0	-	13.3	13.6	14.1	-	14.4	14.8	15.3	-	15.4	15.8	16.3	-	16.4	16.8	17.4	-	17.4	17.8	18.4	-			
		HI PR	147	158	167	-	165	178	188	-	188	202	213	-	214	230	243	-	241	259	273	-	266	286	302	-			
75	1225	LO PR	58	61	67	-	61	65	71	-	63	67	74	-	67	71	77	-	70	74	81	-	72	77	84	-			
		MBh	39.86	41.04	44.42	47.68	38.93	40.09	43.39	46.57	38.01	39.13	42.36	45.46	37.08	38.18	41.32	44.35	35.23	36.27	39.26	42.13	32.63	33.60	36.36	39.03			
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41			
		ΔT	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	3.27	3.34	3.44	3.54	3.51	3.58	3.70	3.81	3.73	3.80	3.92	4.05	3.91	4.00	4.13	4.26	4.07	4.16	4.30	4.44	4.21	4.31	4.44	4.59			
		AMPS	12.9	13.2	13.6	14.1	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.1	16.5	17.1	17.7	17.2	17.6	18.2	18.9	18.2	18.6	19.3	20.0			
		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	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	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9			
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	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	0.61	0.40			
75	1400	ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10			
		KW	3.24	3.31	3.41	3.52	3.48	3.56	3.67	3.78	3.70	3.77	3.89	4.02	3.88	3.97	4.09	4.23	4.04	4.13	4.26	4.40	4.18	4.27	4.41	4.55			
		AMPS	12.8	13.1	13.5	14.0	13.8	14.1	14.6	15.1	15.0	15.3	15.8	16.4	16.0	16.4	16.9	17.6	17.0	17.4	18.0	18.7	18.0	18.5	19.1	19.8			
		HI PR	153	165	174	182	172	185	195	204	196	210	222	232	223	240	253	264	251	270	285	297	277	298	315	328			
		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			
		MBh	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0			
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38			
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	14	10			
		KW	3.17	3.23	3.33	3.43	3.40	3.47	3.58	3.69	3.61	3.68	3.80	3.92	3.79	3.87	3.99	4.12	3.94	4.03	4.16	4.29	4.08	4.16	4.30	4.44			
		AMPS	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.6	14.9	15.4	16.0	15.6	15.9	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3			
75	1225	HI PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318			
		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			

EXPANDED PERFORMANCE DATA

MODEL: XH10421A / CCA48FCC/ BBA48A2A

COOLING OPERATION

			Outdoor Ambient Temperature										105									
			85										95									
			75										115									
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1575	MBh	40.57	41.46	44.29	47.35	39.63	40.49	43.26	46.24	38.68	39.53	42.23	45.14	37.74	38.56	41.20	44.04	35.85	36.64	39.14	41.84
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59
		ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	14
		KW	3.29	3.36	3.46	3.57	3.54	3.61	3.73	3.84	3.75	3.83	3.96	4.08	3.95	4.03	4.16	4.30	4.11	4.20	4.33	4.48
		AMPS	13.0	13.3	13.7	14.3	14.0	14.4	14.9	15.4	15.3	15.6	16.1	16.7	16.3	16.7	17.2	17.9	17.3	17.8	18.4	19.1
	1400	HI PR	156	168	178	185	175	189	199	208	200	215	227	236	227	245	258	269	256	275	291	303
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92
		MBh	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	40.0	42.8	34.8	35.6	38.0	40.6
		S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56
		ΔT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15
1225	1400	KW	3.27	3.34	3.44	3.54	3.51	3.58	3.70	3.81	3.73	3.80	3.92	4.05	3.91	4.00	4.13	4.26	4.07	4.16	4.30	4.44
		AMPS	12.9	13.2	13.6	14.1	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.1	16.5	17.1	17.7	17.2	17.6	18.2	18.9
		HI PR	155	167	176	183	174	187	197	206	198	213	225	234	225	242	256	267	253	272	288	300
		LO PR	61	65	71	75	64	68	75	79	67	71	77	83	70	75	81	87	73	78	85	91
		MBh	36.4	37.1	39.7	42.4	35.5	36.3	38.8	41.4	34.7	35.4	37.8	40.5	33.8	34.6	36.9	39.5	32.1	32.8	35.1	37.5
	1225	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15
		KW	3.19	3.26	3.36	3.46	3.43	3.50	3.61	3.72	3.64	3.71	3.83	3.95	3.82	3.90	4.03	4.16	3.98	4.06	4.19	4.33
		AMPS	12.5	12.8	13.3	13.7	13.5	13.9	14.3	14.9	14.7	15.1	15.6	16.1	15.7	16.1	16.6	17.2	16.7	17.1	17.7	18.4
		HI PR	150	162	171	178	169	181	191	200	192	206	218	227	218	235	248	259	246	264	279	291
		LO PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88

1575	MBh	41.28	42.08	44.07	47.01	40.32	41.10	43.04	45.92	39.36	40.12	42.02	44.83	38.40	39.14	40.99	43.73	36.48	37.18	38.94	41.55	33.79	34.44	36.07	38.49
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
	ΔT	23	23	21	18	23	23	22	19	23	23	22	19	22	23	22	19	21	22	21	19	20	20	20	17
	KW	3.32	3.39	3.49	3.60	3.57	3.64	3.75	3.87	3.78	3.87	3.99	4.12	3.98	4.06	4.19	4.33	4.14	4.23	4.37	4.51	4.28	4.38	4.52	4.67
	AMPS	13.1	13.4	13.9	14.4	14.2	14.5	15.0	15.5	15.4	15.8	16.3	16.9	16.4	16.8	17.4	18.1	17.5	17.9	18.5	19.2	18.5	19.0	19.6	20.4
	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	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96
	MBh	40.1	40.9	42.8	45.6	39.1	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.3	32.8	33.4	35.0	37.4
	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	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	24	24	22	19	24	24	23	19	24	24	23	20	24	24	23	20	23	24	22	19	22	22	21	18
1400	KW	3.29	3.36	3.46	3.57	3.54	3.61	3.73	3.84	3.75	3.83	3.96	4.08	3.95	4.03	4.16	4.30	4.11	4.20	4.33	4.48	4.25	4.34	4.48	4.63
	AMPS	13.0	13.3	13.7	14.3	14.0	14.4	14.9	15.4	15.3	15.6	16.1	16.7	16.3	16.7	17.2	17.9	17.3	17.8	18.4	19.1	18.4	18.8	19.4	20.2
	HI PR	156	168	178	185	175	189	199	208	200	215	227	236	227	245	258	269	256	275	291	303	282	304	321	335
	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
	MBh	37.0	37.7	39.5	42.1	36.1	36.8	38.6	41.2	35.3	36.0	37.7	40.2	34.4	35.1	36.7	39.2	32.7	33.3	34.9	37.2	30.3	30.9	32.3	34.5
	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	0.70	1.00	0.97	0.88	0.71
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	22	21	18
	KW	3.22	3.28	3.38	3.49	3.46	3.53	3.64	3.75	3.67	3.74	3.86	3.98	3.85	3.93	4.06	4.19	4.01	4.09	4.23	4.36	4.14	4.23	4.37	4.51
	AMPS	12.7	13.0	13.4	13.9	13.7	14.0	14.5	15.0	14.8	15.2	15.7	16.3	15.8	16.2	16.8	17.4	16.9	17.3	17.8	18.5	17.9	18.3	18.9	19.6
	HI PR	152	163	172	180	170	183	193	202	194	208	220	229	220	237	251	261	248	267	282	294	274	295	311	325
	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

Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction service valves.

IDB: Entering Indoor Dry Bulb Temperature

KW=Total system power

AMPS=outdoor unit amps (comp.+fan)

COOLING PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10481A / CCA57FCC/ BBA60A2A

COOLING OPERATION

		Outdoor Ambient Temperature										105										115									
		85										95																			
		75																													
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
70	1800	MBh	45.6	47.2	51.7	-	44.5	46.1	50.5	-	43.4	45.0	49.3	-	42.4	43.9	48.1	-	40.3	41.7	45.7	-									
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-									
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-									
		KW	3.50	3.57	3.68	-	3.76	3.84	3.96	-	3.99	4.07	4.20	-	4.19	4.28	4.42	-	4.36	4.46	4.60	-									
		AMPS	15.0	15.3	15.8	-	16.2	16.6	17.1	-	17.6	18.0	18.6	-	18.8	19.3	19.9	-	20.0	20.5	21.2	-									
	1600	HI PR	145	156	165	-	163	175	185	-	185	199	210	-	211	227	239	-	237	255	269	-									
		LO PR	61	65	71	-	64	68	75	-	67	71	78	-	70	75	82	-	74	78	85	-									
		MBh	44.2	45.9	50.2	-	43.2	44.8	49.1	-	42.2	43.7	47.9	-	41.2	42.7	46.7	-	39.1	40.5	44.4	-									
		S/T	0.69	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	-									
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-									
1400	KW	3.48	3.55	3.65	-	3.73	3.81	3.93	-	3.96	4.04	4.17	-	4.16	4.25	4.38	-	4.33	4.42	4.56	-										
	AMPS	14.8	15.2	15.7	-	16.0	16.4	17.0	-	17.4	17.8	18.4	-	18.6	19.1	19.7	-	19.8	20.3	21.0	-										
	HI PR	143	154	163	-	161	173	183	-	183	197	208	-	208	224	237	-	234	252	266	-										
	LO PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-										
	MBh	40.8	42.3	46.4	-	39.9	41.3	45.3	-	38.9	40.4	44.2	-	38.0	39.4	43.1	-	36.1	37.4	41.0	-										
75	1800	S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.64	0.44	-									
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-									
		KW	3.40	3.46	3.57	-	3.64	3.72	3.83	-	3.86	3.94	4.07	-	4.06	4.14	4.27	-	4.22	4.31	4.45	-									
		AMPS	14.4	14.8	15.2	-	15.6	16.0	16.5	-	16.9	17.4	17.9	-	18.1	18.6	19.2	-	19.3	19.8	20.4	-									
		HI PR	139	150	158	-	156	168	177	-	178	191	202	-	202	218	230	-	227	245	258	-									
	1600	LO PR	58	62	68	-	62	66	72	-	64	68	75	-	67	72	78	-	71	75	82	-									
		MBh	46.34	47.71	51.64	55.43	45.26	46.60	50.44	54.14	44.18	45.49	49.24	52.85	43.11	44.38	48.04	51.56	40.95	42.16	45.64	48.98									
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.64	0.41									
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10									
		KW	3.53	3.60	3.71	3.83	3.79	3.87	3.99	4.12	4.02	4.11	4.24	4.37	4.22	4.32	4.45	4.60	4.40	4.49	4.64	4.79									
		AMPS	15.1	15.5	16.0	16.6	16.3	16.7	17.3	17.9	17.7	18.2	18.8	19.5	19.0	19.4	20.1	20.9	20.2	20.7	21.4	22.2									
1400	HI PR	146	157	166	173	164	177	187	195	187	201	212	221	213	229	242	252	239	257	272	284										
	LO PR	62	65	71	76	65	69	75	80	68	72	78	84	71	75	82	88	74	79	86	92										
	MBh	45.0	46.3	50.1	53.8	43.9	45.2	49.0	52.6	42.9	44.2	47.8	51.3	41.9	43.1	46.6	50.1	39.8	40.9	44.3	47.6										
	S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.59	0.38	0.90	0.80	0.61	0.39										
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11										
75	1600	KW	3.50	3.57	3.68	3.80	3.76	3.84	3.96	4.08	3.99	4.07	4.20	4.34	4.19	4.28	4.42	4.56	4.36	4.46	4.60	4.75									
		AMPS	15.0	15.3	15.8	16.4	16.2	16.6	17.1	17.8	17.6	18.0	18.6	19.3	18.8	19.3	19.9	20.7	20.0	20.5	21.2										
		HI PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	239	250	237	255	269	281									
		LO PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	85	91									
		MBh	41.5	42.8	46.3	49.7	40.6	41.8	45.2	48.5	39.6	40.8	44.1	47.4	38.6	39.8	43.0	46.2	36.7	37.8	40.9	43.9									
	1400	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	0.75	0.56	0.36	0.87	0.77	0.59	0.38									
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11									
		KW	3.42	3.49	3.60	3.71	3.67	3.75	3.86	3.99	3.89	3.98	4.10	4.23	4.09	4.18	4.31	4.45	4.26	4.35	4.49	4.63									
		AMPS	14.5	14.9	15.4	16.0	15.7	16.1	16.6	17.3	17.1	17.5	18.1	18.8	18.3	18.7	19.4	20.1	19.5	19.9	20.6	21.4									
		HI PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	272									
		LO PR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88									

EXPANDED PERFORMANCE DATA

MODEL: XH10481A / CCA57FCC/ BBA60A2A

COOLING OPERATION

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	59	63	67	71	59	63	67	71	59	63	67	71														
1800	MBh	47.16	48.19	51.49	55.04	46.07	47.07	50.29	53.76	44.97	45.95	49.09	52.48	43.87	44.83	47.90	51.20	41.68	42.59	45.50	48.64	38.61	39.45	42.15	45.06	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.79	0.59
	S/T	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	15	20	20	17	14	22	21	18	15	22	21	18	15	21	21	18	15	20	20	17	14				
	KW	3.56	3.63	3.74	3.86	3.82	3.90	4.02	4.15	4.05	4.14	4.27	4.41	4.26	4.35	4.49	4.64	4.43	4.53	4.68	4.83	4.58	4.68	4.84	5.00	15.2	15.6	16.1	16.7	16.5	16.9	17.4	18.1	17.9	18.4	19.0	19.7	19.2	19.6	20.3	21.1	20.4	20.9	21.6	22.4	21.6	22.2	22.9	23.8
	AMPS	148	159	168	175	166	178	188	197	189	203	214	224	215	231	244	255	242	260	275	286	267	287	303	316	148	159	168	175	166	178	188	197	189	203	214	224	215	231	244	255	242	260	275	286	267	287	303	316
	LOPR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
	1600	MBh	45.8	46.8	50.0	53.4	44.7	45.7	48.8	52.2	43.7	44.6	47.7	51.0	42.6	43.5	46.5	49.7	40.5	41.3	44.2	47.2	37.5	38.3	40.9	43.7	0.86	0.81	0.66	0.49	0.90	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
S/T		23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14				
KW		3.53	3.60	3.71	3.83	3.79	3.87	3.99	4.12	4.02	4.11	4.24	4.37	4.22	4.32	4.45	4.60	4.40	4.49	4.64	4.79	4.55	4.65	4.80	4.96	15.1	15.5	16.0	16.6	16.3	16.7	17.3	17.9	17.7	18.2	18.8	19.5	19.0	19.4	20.1	20.9	20.2	20.7	21.4	22.2	21.4	22.0	22.7	23.6
AMPS		146	157	166	173	164	177	187	195	187	201	212	221	213	229	242	252	239	258	272	284	264	285	300	313	146	157	166	173	164	177	187	195	187	201	212	221	213	229	242	252	239	258	272	284	264	285	300	313
LOPR		62	65	71	76	65	69	75	80	68	72	78	84	71	75	82	88	74	79	86	92	77	82	89	95	62	65	71	76	65	69	75	80	68	72	78	84	79	86	92	77	82	89	95	77	82	89	95	
1400		MBh	42.3	43.2	46.1	49.3	41.3	42.2	45.1	48.2	40.3	41.2	44.0	47.0	39.3	40.2	42.9	45.9	37.3	38.2	40.8	43.6	34.6	35.4	37.8	40.4	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.96	0.90	0.73
	S/T	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	24	23	22	19	22	21	18	14	23	22	19	15	23	22	20	16	24	23	20	16	24	23	22	19	16	22	21	18	14			
	KW	3.45	3.52	3.62	3.74	3.70	3.78	3.89	4.02	3.93	4.01	4.13	4.27	4.12	4.21	4.34	4.48	4.29	4.38	4.52	4.67	4.44	4.53	4.68	4.83	14.7	15.0	15.5	16.1	15.9	16.3	16.8	17.4	17.3	17.7	18.3	19.0	18.5	18.9	19.5	20.3	19.6	20.1	20.8	21.6	20.8	21.3	22.1	22.9
	AMPS	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	245	232	250	264	275	256	276	291	304	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	245	232	250	264	275	256	276	291	304
	LOPR	60	63	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	60	63	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92
	1800	MBh	47.99	48.91	51.23	54.65	46.87	47.78	50.04	53.38	45.75	46.64	48.85	52.11	44.64	45.50	47.66	50.84	42.41	43.23	45.27	48.30	39.28	40.04	41.94	44.74	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95
S/T		23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	23	22	22	19	20	20	18	18	23	23	22	19	23	23	22	19	23	23	22	19	23	23	22	19	20	20	18	18				
KW		3.58	3.66	3.77	3.89	3.85	3.93	4.05	4.18	4.09	4.17	4.30	4.44	4.29	4.39	4.53	4.67	4.47	4.57	4.71	4.87	4.62	4.72	4.88	5.04	15.4	15.7	16.3	16.9	16.6	17.0	17.6	18.3	18.1	18.5	19.1	19.9	19.3	19.8	20.5	21.3	20.6	21.1	21.8	22.6	21.8	22.4	23.1	24.0
AMPS		149	161	170	177	168	180	190	199	191	205	216	226	217	233	247	257	244	263	277	289	270	290	306	320	149	161	170	177	168	180	190	199	191	205	216	226	217	233	247	257	244	263	277	289	270	290	306	320
LOPR		63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	78	83	91	97	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	78	83	91	97
1600		MBh	46.6	47.5	49.7	53.1	45.5	46.4	48.6	51.8	44.4	45.3	47.4	50.6	43.3	44.2	46.3	49.4	41.2	42.0	44.0	46.9	38.1	38.9	40.7	43.4	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	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91
	S/T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	22	22	18	18	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	22	22	21	18				
	KW	3.56	3.63	3.74	3.86	3.82	3.90	4.02	4.15	4.05	4.14	4.27	4.41	4.26	4.35	4.49	4.64	4.43	4.53	4.68	4.83	4.58	4.68	4.84	5.00	15.2	15.6	16.1	16.7	16.5	16.9	17.4	18.1	17.9	18.4	19.0	19.7	19.2	19.6	20.3	21.1	20.4	20.9	21.6	22.4	21.6	22.2	22.9	23.8
	AMPS	148	159	168	175	166	178	188	197	189	203	214	224	215	231	244	255	242	260	275	286	267	287	303	316	148	159	168	175	166	178	188	197	189	203	214	224	215	231	244	255	242	260	275	286	267	287	303	316
	LOPR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
	1400	MBh	43.0	43.8	45.9	49.0	42.0	42.8	44.8	47.8	41.0	41.8	43.8	46.7	40.0	40.8	42.7	45.6	38.0	38.7	40.6	43.3	35.2	35.9	37.6	40.1	0.87	0.84	0.76	0.62	0.91	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.83	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.87
S/T		25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	19	19	25	25	22	19	25	25	23	20	25	25	23	20	25	24	23	20	23	23	22	19				
KW		3.47	3.55	3.65	3.77	3.73	3.81	3.93	4.05	3.96	4.04	4.17	4.30	4.16	4.24	4.38	4.52	4.16	4.24	4.36	4.51	4.27	4.37	4.52	4.67	14.7	15.2	15.7	16.3	16.0	16.4	17.0	17.6	17.4	17.8	18.4	19.1	18.6	19.1	19.7	20.5	19.8	20.3	21.0	21.8				

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Shaded area is ACCA (TVA) conditions
IDB: Entering Indoor Dry Bulb Temperature
KW=Total system power
AMPs=outdoor unit amps (comp.+fan)

EXPANDED PERFORMANCE DATA

MODEL: XH10601A / CCA60FCC/ BBA60A2A

COOLING OPERATION

IDB			Airflow			Outdoor Ambient Temperature																																																																																																																																										
						85												95												105										115																																																																																																								
						75												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	59	63	67	71	59	63	67	71	59	63	67	71																																																																																																													
80	2250	MBh	57.81	59.07	63.11	67.47	56.47	57.70	61.65	65.90	55.12	56.33	60.18	64.33	53.78	54.95	58.71	62.76	51.09	52.20	55.77	59.62	47.32	48.36	51.66	55.23	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.79	0.59																																																																																														
		S/T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	14	22	21	18	14	19	20	17	13																																																																																																																						
		ΔT	4.63	4.73	4.87	5.03	4.98	5.09	5.25	5.42	5.29	5.40	5.58	5.76	5.56	5.68	5.86	6.06	5.79	5.92	6.11	6.31	5.99	6.12	6.32	6.54																																																																																																																						
		KW	16.5	16.9	17.5	18.2	17.9	18.3	19.0	19.7	19.5	20.0	20.6	21.4	20.9	21.4	22.1	23.0	22.2	22.8	23.6	24.5	23.6	24.2	25.0	26.0																																																																																																																						
		AMPS	160	172	182	190	180	193	204	213	204	220	232	242	233	251	265	276	262	282	298	310	289	311	329	343																																																																																																																						
		HI 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																																																																																																																						
		LO PR	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6																																																																																																																						
		MBh	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																																																																																																																						
		S/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																																																																																																																						
		ΔT	4.60	4.69	4.84	4.99	4.94	5.05	5.20	5.37	5.25	5.36	5.53	5.71	5.52	5.64	5.82	6.01	5.74	5.87	6.06	6.26	5.94	6.07	6.27	6.48																																																																																																																						
1900	1900	KW	16.4	16.8	17.3	18.0	17.7	18.2	18.8	19.5	19.3	19.8	20.5	21.2	20.7	21.2	21.9	22.7	22.0	22.6	23.3	24.2	23.4	23.9	24.8	25.7																																																																																																																						
		AMPS	159	171	180	188	178	192	202	211	202	218	230	240	231	248	262	273	259	279	295	307	287	308	326	340																																																																																																																						
		HI PR	60	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	93																																																																																																																						
		LO PR	55.3	56.5	60.4	64.5	54.0	55.2	59.0	63.0	52.7	53.9	57.5	61.5	51.4	52.6	56.1	60.0	48.9	49.9	53.3	57.0	45.3	46.2	49.4	52.8																																																																																																																						
		MBh	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.88	0.83	0.68	0.50	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.96	0.90	0.73	0.55																																																																																																																						
		S/T	24	23	20	16	24	23	20	16	25	23	20	16	25	24	21	16	24	23	20	16	23	22	19	15																																																																																																																						
		ΔT	4.54	4.63	4.77	4.92	4.88	4.98	5.13	5.30	5.18	5.29	5.45	5.63	5.44	5.56	5.74	5.92	5.66	5.79	5.98	6.17	5.86	5.99	6.18	6.39																																																																																																																						
		KW	16.1	16.5	17.1	17.7	17.5	17.9	18.5	19.2	19.0	19.5	20.1	20.9	20.3	20.8	21.5	22.4	21.7	22.2	23.0	23.9	23.0	23.6	24.4	25.3																																																																																																																						
		AMPS	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334																																																																																																																						
		HI 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																																																																																																																						
LO PR	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84																																																																																																																								
85	2250	MBh	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84																																																																																																																						
		S/T	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77																																																																																																																						
		ΔT	23	22	21	18	23	23	21	19	23	23	21	19	22	23	22	19	21	22	21	18	20	20	20	17																																																																																																																						
		KW	4.67	4.77	4.91	5.07	5.02	5.13	5.29	5.46	5.33	5.45	5.62	5.80	5.61	5.73	5.91	6.11	5.84	5.97	6.16	6.37	6.04	6.17	6.38	6.59																																																																																																																						
		AMPS	16.7	17.1	17.7	18.3	18.1	18.5	19.1	19.9	19.7	20.2	20.8	21.6	21.1	21.6	22.3	23.2	22.4	23.0	23.8	24.7	23.8	24.4	25.2	26.2																																																																																																																						
		HI PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	74	79	86	92	77	82	89	95																																																																																																																						
		LO PR	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2																																																																																																																						
		MBh	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																																																																																																																						
		S/T	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	24	25	23	20	23	23	22	19																																																																																																																						
		ΔT	4.63	4.73	4.87	5.03	4.98	5.09	5.25	5.42	5.29	5.40	5.58	5.76	5.56	5.68	5.86	6.06	5.79	5.92	6.11	6.31	5.99	6.12	6.32	6.54																																																																																																																						
KW	16.5	16.9	17.5	18.2	17.9	18.3	19.0	19.7	19.5	20.0	20.6	21.4	20.9	21.4	22.1	23.0	22.2	22.8	23.6	24.5	23.6	24.2	25.0	26.0																																																																																																																								

HEAT PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10181A / CCA24FCC / BBA24A2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	22.2	21.1	19.8	18.5	17.7	17.2	15.9	14.7	12.1	11.2	10.3	9.7	9.3	8.4	7.4	6.5	5.5	4.5
ΔT	34.3	32.5	30.6	28.6	27.3	26.5	24.6	22.7	18.6	17.2	15.8	15.0	14.4	12.9	11.5	10.0	8.5	7.0
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	1.30	1.26
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	3.9	3.5
COP	3.62	3.49	3.36	3.20	3.10	3.03	2.87	2.71	2.29	2.16	2.04	1.95	1.90	1.75	1.59	1.42	1.25	1.05
EER	12.4	11.9	11.5	10.9	10.6	10.4	9.8	9.3	7.8	7.4	7.0	6.7	6.5	6.0	5.4	4.9	4.3	3.6
HI PR	241	231	222	212	207	203	195	187	180	171	165	161	158	152	146	140	135	130
LO PR	73	68	64	58	55	53	49	43	39	35	31	29	28	23	20	17	15	12

MODEL: XH10241A / CCA24FCC/ BBA24A2A

HEATING OPERATION

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	28.2	26.7	25.1	23.5	22.4	21.7	20.2	18.6	15.1	13.9	12.8	12.1	11.7	10.5	9.3	8.1	6.9	5.7
ΔT	32.6	30.9	29.0	27.1	25.9	25.1	23.3	21.5	17.5	16.1	14.9	14.0	13.5	12.1	10.7	9.4	8.0	6.6
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	1.71	1.67	1.63	1.58
AMPS	10.7	9.9	9.3	8.7	8.4	8.2	7.8	7.4	7.0	6.7	6.4	6.2	6.2	5.8	5.5	5.1	4.7	4.3
COP	3.63	3.51	3.37	3.22	3.11	3.04	2.88	2.72	2.28	2.16	2.03	1.95	1.90	1.74	1.59	1.42	1.24	1.05
EER	12.4	12.0	11.5	11.0	10.6	10.4	9.9	9.3	7.8	7.4	7.0	6.7	6.5	6.0	5.4	4.8	4.2	3.6
HI PR	254	244	235	224	219	215	207	198	190	181	174	170	167	161	154	148	143	138
LO PR	76	70	66	60	57	55	50	45	41	36	32	30	29	24	21	18	15	12

MODEL: XH10301A / CCA36FCC / BBA36A2A

HEATING OPERATION

Outdoor Ambient Temperature																		
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.7	32.8	30.9	28.9	27.6	26.7	24.8	22.9	21.6	19.9	18.3	17.3	16.7	14.9	13.3	11.6	9.9	8.1
ΔT	32.1	30.4	28.6	26.8	25.6	24.8	23.0	21.2	20.0	18.4	17.0	16.0	15.4	13.8	12.3	10.7	9.1	7.5
KW	2.70	2.65	2.60	2.54	2.52	2.49	2.44	2.39	2.48	2.42	2.37	2.34	2.32	2.26	2.21	2.15	2.10	2.04
AMPS	12.7	11.7	11.0	10.4	10.0	9.8	9.3	8.8	8.4	8.1	7.7	7.5	7.4	7.1	6.6	6.2	5.8	5.2
COP	3.76	3.63	3.48	3.32	3.21	3.14	2.97	2.80	2.55	2.40	2.26	2.17	2.11	1.94	1.76	1.57	1.38	1.16
EER	12.9	12.4	11.9	11.4	11.0	10.7	10.2	9.6	8.7	8.2	7.7	7.4	7.2	6.6	6.0	5.4	4.7	4.0
HI PR	245	235	226	216	211	207	199	191	183	174	168	164	161	154	149	142	137	133
LO PR	75	69	65	60	56	54	50	44	40	36	31	29	28	24	21	17	15	12

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

HEAT PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10361A / CCA42FCC/ BBA36A2A														HEATING OPERATION					
Outdoor Ambient Temperature																			
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
MBh	43.7	41.4	39.0	36.4	34.8	33.7	31.3	28.9	27.2	25.1	23.1	21.8	21.0	18.8	16.7	14.6	12.4	10.2	
ΔT	33.8	32.0	30.1	28.1	26.9	26.0	24.2	22.3	21.0	19.3	17.8	16.8	16.2	14.5	12.9	11.2	9.6	7.9	
KW	3.58	3.51	3.44	3.37	3.33	3.30	3.23	3.16	3.02	2.95	2.89	2.85	2.82	2.76	2.69	2.62	2.56	2.49	
AMPS	17.1	15.8	14.8	13.9	13.4	13.2	12.4	11.8	11.3	10.8	10.3	10.1	9.9	9.5	8.8	8.3	7.7	7.0	
COP	3.58	3.46	3.32	3.17	3.06	2.99	2.83	2.67	2.63	2.48	2.34	2.24	2.18	2.00	1.82	1.62	1.42	1.20	
EER	12.2	11.8	11.3	10.8	10.5	10.2	9.7	9.1	9.0	8.5	8.0	7.7	7.4	6.8	6.2	5.5	4.9	4.1	
HI PR	277	266	255	244	239	234	225	216	207	197	190	185	182	175	168	161	156	150	
LO PR	74	69	64	59	56	54	49	44	40	35	31	29	28	24	20	17	15	12	

MODEL: XH10421A / CCA48FCC/ BBA48A2A														HEATING OPERATION					
Outdoor Ambient Temperature																			
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
MBh	50.3	47.6	44.8	41.9	40.0	38.8	36.0	33.2	31.2	28.8	26.5	25.0	24.1	21.6	19.2	16.7	14.3	11.7	
ΔT	33.3	31.5	29.6	27.7	26.5	25.6	23.8	22.0	20.6	19.0	17.5	16.5	15.9	14.3	12.7	11.0	9.4	7.7	
KW	4.06	3.98	3.90	3.83	3.78	3.75	3.67	3.59	3.50	3.42	3.35	3.30	3.27	3.19	3.12	3.04	2.96	2.89	
AMPS	20.1	18.6	17.4	16.4	15.8	15.5	14.6	13.8	13.3	12.7	12.1	11.8	11.6	11.0	10.3	9.7	9.0	8.1	
COP	3.62	3.50	3.36	3.20	3.10	3.03	2.87	2.70	2.60	2.46	2.31	2.22	2.15	1.98	1.80	1.61	1.41	1.18	
EER	12.4	12.0	11.5	10.9	10.6	10.3	9.8	9.2	8.9	8.4	7.9	7.6	7.4	6.8	6.1	5.5	4.8	4.0	
HI PR	266	255	246	235	229	225	216	208	199	190	182	178	175	168	162	155	150	144	
LO PR	72	67	63	57	54	52	48	43	39	34	30	28	27	23	20	17	15	11	

MODEL: XH10481A / CCA57FCC/ BBA60A2A														HEATING OPERATION					
Outdoor Ambient Temperature																			
65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
MBh	58.5	55.3	52.1	48.7	46.5	45.1	41.9	38.6	37.4	34.5	31.8	30.0	28.9	25.9	23.0	20.0	17.1	14.0	
ΔT	33.8	32.0	30.1	28.2	26.9	26.1	24.2	22.3	21.6	20.0	18.4	17.4	16.7	15.0	13.3	11.6	9.9	8.1	
KW	4.60	4.51	4.42	4.33	4.28	4.24	4.15	4.06	3.82	3.74	3.65	3.60	3.57	3.48	3.40	3.32	3.23	3.15	
AMPS	24.9	23.0	21.5	20.2	19.5	19.1	18.0	17.1	16.3	15.6	14.8	14.5	14.3	13.5	12.6	11.8	10.9	9.8	
COP	3.72	3.59	3.45	3.29	3.18	3.11	2.95	2.78	2.86	2.70	2.55	2.44	2.37	2.18	1.98	1.77	1.55	1.30	
EER	12.7	12.3	11.8	11.2	10.9	10.6	10.1	9.5	9.8	9.2	8.7	8.3	8.1	7.4	6.8	6.0	5.3	4.4	
HI PR	278	266	256	245	239	235	226	216	207	198	190	186	182	175	169	162	156	150	
LO PR	71	66	62	57	54	52	48	42	38	34	30	28	27	23	20	17	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

HEAT PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: XH10601A / CCA60FCC/ BBA60A2A

HEATING OPERATION

	Outdoor Ambient Temperature														HEATING OPERATION			
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	70.4	66.6	62.7	58.6	56.0	54.3	50.4	46.5	42.6	39.3	36.2	34.2	32.9	29.5	26.2	22.8	19.5	16.0
ΔT	34.3	32.5	30.6	28.6	27.3	26.4	24.6	22.7	20.8	19.2	17.7	16.7	16.1	14.4	12.8	11.1	9.5	7.8
KW	5.69	5.58	5.46	5.35	5.29	5.24	5.14	5.03	4.77	4.66	4.55	4.49	4.45	4.34	4.24	4.14	4.03	3.93
AMPS	17.1	15.9	14.9	14.0	13.5	13.2	12.5	11.9	11.4	10.9	10.4	10.1	10.0	9.5	8.9	8.3	7.7	7.0
COP	3.62	3.50	3.36	3.20	3.10	3.03	2.87	2.71	2.62	2.47	2.33	2.23	2.17	1.99	1.81	1.62	1.42	1.19
EER	12.4	12.0	11.5	11.0	10.6	10.3	9.8	9.2	8.9	8.4	8.0	7.6	7.4	6.8	6.2	5.5	4.8	4.1
HI PR	273	261	251	240	235	230	221	212	203	194	187	182	179	172	165	159	153	148
LO PR	71	66	62	57	54	52	48	42	38	34	30	28	27	23	20	17	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.

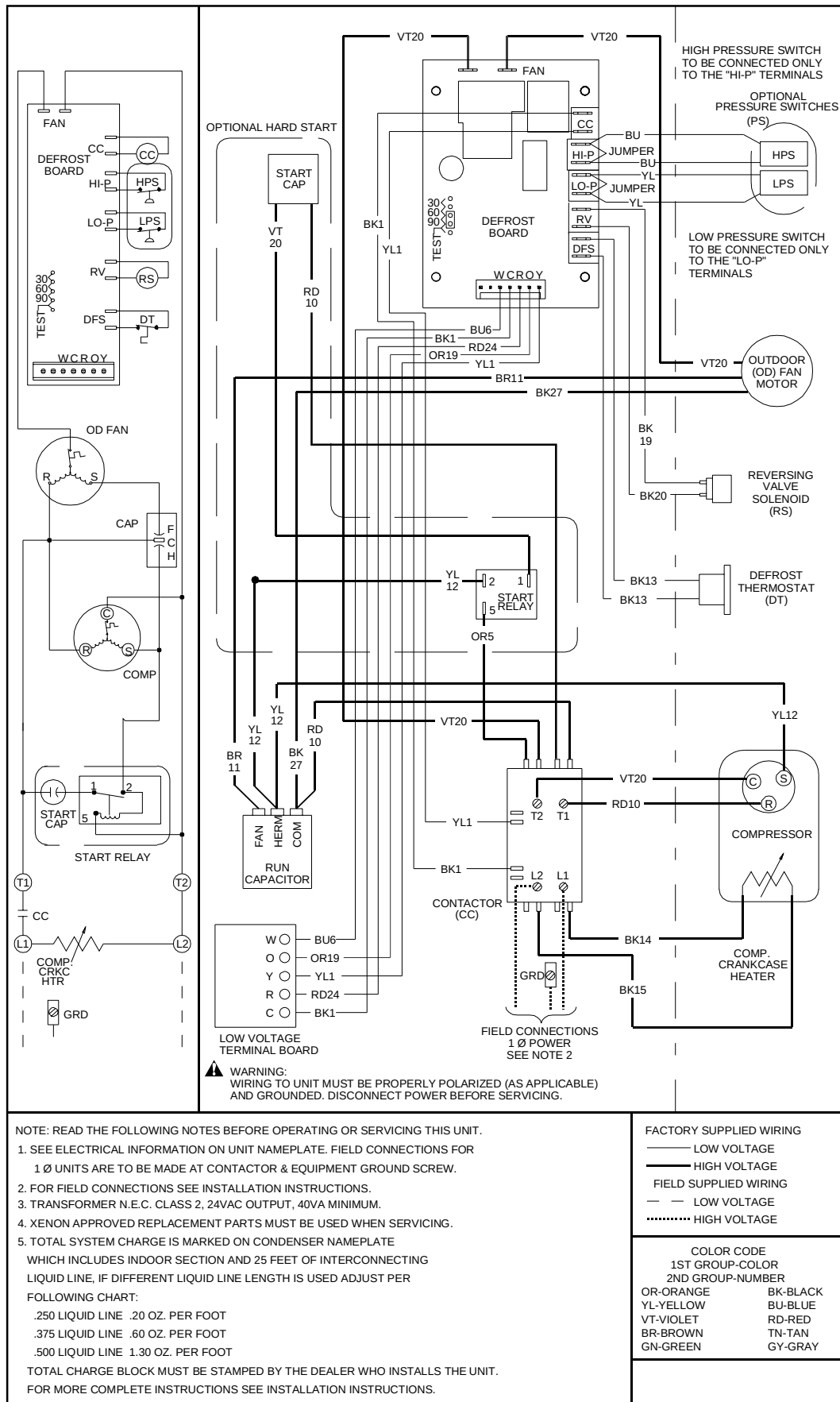
A properly operating unit should be within plus or minus **3 degrees** of the typical (ΔT) value shown.

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



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

WARNING

XH10(18-60)1A

