

XH10181A

Remote Heat Pump Unit Specification Sheet

Cooling Capacity, BTUH (Nominal)	18,000
Compressor	
R.L. Amps	9.3
L.R. Amps	49
Condenser Fan Motor	
Horsepower	1/10
R.L. Amps	0.8
L.R. Amps	1.2
Liquid Line, Inches O.D.	1/4
Suction Line, Inches O.D.	5/8
Refrigerant Charge (oz.)	76
Design Subcooling Cooling Mode (°F)	11.0
Power Supply (volts)	208/230-60-1
Min. Circuit Ampacity	12.5
Max. Overcurrent Device (amps)	20.0
Electric Conduit Size (in.)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs.)	140

Standard Features

- Bi-Flow Liquid Line Filter Drier (Shipped Loose)
- Front Seating Valves
- Crankcase Heater
- Time/Temp Defrost
- Low RPM (825) Condenser Fan
- 5 Minute Anti-Short Cycle Protection
- Hard Start Kit Factory Installed
- Accumulator

Accessories

- Pressure Control Kit (PCK03A)
 - Automatic Reset High Pressure Switch
 - Automatic Reset Low Pressure Switch
 - Time Delay
- Fossil Fuel Kit (FFK03A)
- Compressor Sound Blanket (CSB04A)
- Ambient Temperature Kit (ATK05A)
- Low Ambient Control (LAC03A)(See NOTE)

NOTE: The low ambient kit LAC03A is intended for use only in systems matched with TXV coils.

Heat Pump Performance Data

For ARI Performance Data: See the ARI Directory, Product Data Booklet (PDB), or the product Service Manual.

XH10181A / BBA24A2A / CCA24FCC																
	Outdoor Ambient Temperature (° F)															
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0
ΔT	34	33	31	29	27	26	25	23	19	17	16	15	14	13	11	10
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
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

Above information is for nominal CFM and 70° F indoor dry bulb.

All pressures are PSIG.

All temperatures are °F.

NOTE: When mix-matching with restrictor orifice indoor coil, use either Aeroquip .055 diameter restrictor orifice B1443824 or Chatleff .055 diameter restrictor orifice 11076302.

NOTE: Defrost control compressor run time is factory set at 90 minutes.

Typical Cooling Performance Data



CAUTION

The installation must be adjusted to obtain a temperature rise within the range listed on the unit nameplate.

XH10181A / BBA24A2A / CCA24FCC																										
			Outdoor Ambient Temperature (°F)																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature (°F)																							
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	675	Δ T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		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	-
		HI PR	154	166	175	-	173	186	197	-	197	212	224	-	224	241	255	-	252	272	287	-	279	300	317	-
		LO PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	600	Δ T	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		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	-
	525	Δ T	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		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	675	Δ 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
		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	257	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	83	91	97
	600	Δ 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
		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
	525	Δ 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
		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
80	675	Δ 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
		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
	600	Δ 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
		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
	525	Δ 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
		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

*Entering Dry Bulb Temperature.

NOTE: Darker shaded area with white lettering is ARI rating conditions, (95° ambient, 80° IDB + 67° IWB).

Lighter shaded area with black lettering is ACCA rating conditions, (95° ambient, 75° IDB + 63° IWB).

All Pressures are PSIG. All temperatures are in °F.

Low and high pressure are measured at gauge port.

Amps are total unit amps at a rated voltage of 230 VAC.