

XH12601A

Remote Heat Pump Unit

Specification Sheet

Specifications	
Cooling Capacity, BTUH (Nominal)	59,500
Compressor	
R.L. Amps	28.8
L.R. Amps	148.0
Condenser Fan Motor	
Horsepower	1/3
R.L. Amps	2.3
L.R. Amps	3.6
Liquid Line, Inches O.D.	3/8
Suction Line, Inches O.D.	7/8
Refrigerant Charge (oz.)	245
Design Subcooling Cooling Mode (°F)	8.5
Power Supply (volts)	208/230-60-1
Min. Circuit Ampacity	38.1
Max. Overcurrent Device (amps)	60.0
Electric Conduit Size (in.)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs.)	327

Standard Features

- Bi-Flow Liquid Line Filter Drier (Shipped Loose)
- Front Seating Service Valves
- Scroll Compressor
- 5-Minute Anti-Short Cycle Protection
- Automatic Reset High Pressure Switch
- Automatic Reset Loss Of Charge Switch
- Time/Temperature Defrost
- Heating Mode Thermostatic Expansion Valve (TXV) with Internal Check Valve
- Eight-Pole Condenser Fan Motor
- Charge Compensator

Accessories

- Fossil Fuel Kit (FFK03A)
- Hard Start Kit (HSK12A)
- Freeze Protection Kit (FSK01A)
(Installed on indoor coil)

Heat Pump Performance Data

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

XH12601A / CHA60TCC / BBC60A2A@TAP A															
	Outdoor Ambient Temperature (°F)														
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5
ΔT	36	34	32	30	29	28	26	24	22	20	19	18	17	15	14
Amps	25.4	23.5	22.0	20.7	20.0	19.6	18.5	17.6	16.8	16.1	15.3	15.0	14.8	14.0	13.1
HI PR	237	227	218	209	204	200	192	185	177	169	162	158	155	150	144
LO PR	70	65	61	56	53	51	47	42	38	34	30	27	26	22	19

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

All pressures are PSIG.

All temperatures are °F.

NOTE: 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.

NOTE: When mix-matching with restrictor orifice indoor coil, use either Aeroquip .098 diameter restrictor orifice B1443819 or Chatleff .098 diameter restrictor orifice 11076315.

Typical Cooling Performance Data



CAUTION

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

XH12601A / CHA60TCC / BBC60A2A@TAP A																										
			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	2050	Δ T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		AMPS	15.5	15.8	16.4	-	16.7	17.1	17.7	-	18.1	18.6	19.2	-	19.3	19.8	20.5	-	20.6	21.1	21.8	-	21.8	22.3	23.0	-
		HI PR	133	143	151	-	150	161	170	-	170	183	193	-	194	208	220	-	218	234	248	-	241	259	274	-
		LO PR	56	59	65	-	59	63	69	-	61	65	71	-	64	69	75	-	67	72	78	-	70	74	81	-
	1850	Δ T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		AMPS	15.4	15.7	16.3	-	16.6	17.0	17.5	-	18.0	18.4	19.0	-	19.2	19.7	20.3	-	20.4	20.9	21.6	-	21.6	22.2	22.9	-
		HI PR	132	142	150	-	148	160	169	-	169	182	192	-	192	207	219	-	216	233	246	-	239	257	272	-
		LO PR	55	59	64	-	59	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	81	-
	1750	Δ T	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		AMPS	15.2	15.5	16.0	-	16.4	16.7	17.3	-	17.7	18.2	18.7	-	18.9	19.4	20.0	-	20.1	20.6	21.3	-	21.3	21.8	22.5	-
		HI PR	130	140	148	-	146	157	166	-	166	179	189	-	189	203	215	-	213	229	242	-	235	253	267	-
		LO PR	55	58	63	-	58	61	67	-	60	64	70	-	63	67	73	-	66	70	77	-	68	73	79	-
75	2050	Δ T	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	15	11
		AMPS	15.6	16.0	16.5	17.1	16.9	17.3	17.8	18.5	18.3	18.7	19.3	20.0	19.5	20.0	20.6	21.4	20.8	21.3	22.0	22.8	22.0	22.5	23.2	24.1
		HI PR	135	145	153	160	151	163	172	179	172	185	195	204	196	211	222	232	220	237	250	261	243	262	276	288
		LO PR	56	60	66	70	60	63	69	74	62	66	72	77	65	69	76	80	68	73	79	84	71	75	82	87
	1850	Δ T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11
		AMPS	15.5	15.9	16.4	17.0	16.8	17.1	17.7	18.3	18.2	18.6	19.2	19.9	19.4	19.9	20.5	21.3	20.6	21.1	21.8	22.6	21.8	22.4	23.1	24.0
		HI PR	134	144	152	158	150	161	170	178	171	184	194	202	194	209	221	230	219	235	248	259	241	260	274	286
		LO PR	56	60	65	69	59	63	69	73	62	65	71	76	65	69	75	80	68	72	79	84	70	75	81	87
	1750	Δ T	23	21	17	12	23	21	17	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11
		AMPS	15.3	15.7	16.2	16.7	16.5	16.9	17.4	18.1	17.9	18.3	18.9	19.6	19.1	19.6	20.2	20.9	20.3	20.8	21.5	22.3	21.5	22.0	22.7	23.6
		HI PR	131	141	149	156	147	159	168	175	168	180	191	199	191	206	217	226	215	231	244	255	237	255	270	281
		LO PR	55	59	64	68	58	62	68	72	60	64	70	75	64	68	74	79	67	71	77	82	69	73	80	85
80	2050	Δ T	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	22	22	19	15
		AMPS	15.8	16.1	16.6	17.3	17.0	17.4	18.0	18.6	18.5	18.9	19.5	20.2	19.7	20.2	20.8	21.6	20.9	21.4	22.2	23.0	22.2	22.7	23.5	24.3
		HI PR	136	146	154	161	153	164	173	181	174	187	197	206	198	213	225	234	222	239	253	263	246	264	279	291
		LO PR	57	61	66	70	60	64	70	74	63	67	73	77	66	70	76	81	69	73	80	85	71	76	83	88
	1850	Δ T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	25	21	17	24	23	20	16
		AMPS	15.7	16.0	16.5	17.1	16.9	17.3	17.9	18.5	18.3	18.8	19.4	20.1	19.6	20.0	20.7	21.5	20.8	21.3	22.0	22.8	22.0	22.6	23.3	24.2
		HI PR	135	145	153	160	151	163	172	180	172	185	196	204	196	211	223	233	221	238	251	262	244	262	277	289
		LO PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	88
	1750	Δ T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		AMPS	15.4	15.8	16.3	16.9	16.6	17.0	17.6	18.2	18.1	18.5	19.1	19.8	19.3	19.7	20.4	21.1	20.5	21.0	21.7	22.5	21.7	22.2	22.9	23.8
		HI PR	133	143	151	157	149	160	169	177	169	182	192	201	193	208	219	229	217	234	247	257	240	258	272	284
		LO PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	79	67	72	78	83	70	74	81	86

*Entering 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.