

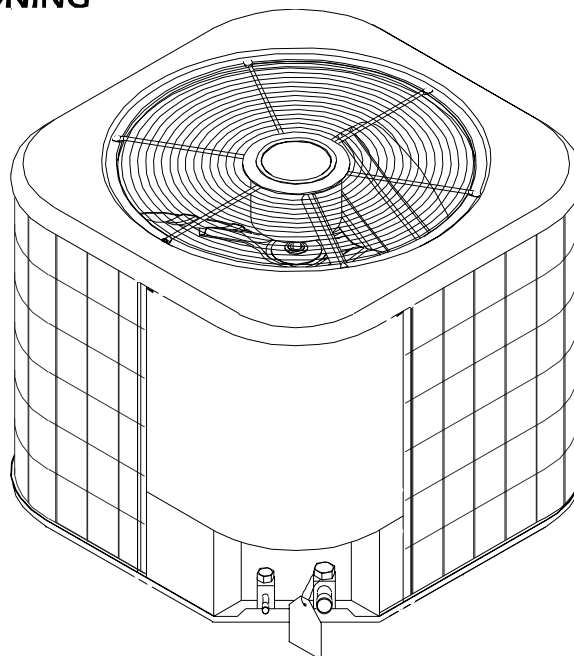
XENON™

HEATING & AIR CONDITIONING

XA10181A

Remote Condensing Unit

Specification Sheet



Standard Features

- Liquid Line Filter Drier (Shipped for field installation)
- Front Seating Valves
- Hard Start Capacitor and Relay
- 8-Pole Fan Motor

Accessories

- Low Ambient Kit (LAC02A) (See NOTE)
- Sound Blanket Kit (CSB04A)
- Liquid Line Solenoid (LSK01A)
- Pressure Control Kit (PCK01A)
Consists of:
Automatic High Pressure Switch
Automatic Low Pressure Switch
Time Delay
- Anti-Short Cycle Kit (ASC01A)
- Freeze Protection Kit (FSK01A)
(Installed on indoor coil)
- Crankcase Heater Kit (CCHK01A)

NOTE: The low ambient kit LAC02A is intended for use only in systems matched with TXV coils.

Specifications	
Cooling Capacity, BTUH (Nominal)	18,000
Compressor	
R.L. Amps	9.0
L.R. Amps	49.0
Condenser Fan Motor	
Horsepower	1/12
R.L. Amps	0.6
L.R. Amps	1.2
Liquid Line, Inches O.D.	1/4*
Suction Line, Inches O.D.	5/8
Refrigerant Charge (oz.)	48
Design Subcooling Cooling Mode (°F)	11.0
Power Supply (volts)	208/230-60-1
Min. Circuit Ampacity	11.9
Max. Overcurrent Device (amps)	20
Electric Conduit Size (in.)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs.)	144

* Installer will need to supply 1/4" to 3/8" adapters for liquid line connections. Unit is charged with refrigerant for 25 feet of 1/4" liquid line. System charge must be adjusted per Installation Instructions final charge procedure.

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.

When mix-matching this unit with a restrictor orifice indoor coil, use either Aeroquip 0.053 diameter restrictor orifice B1443829 or Chatleff 0.053 diameter restrictor orifice 11076319.

Typical Cooling Performance Data



CAUTION

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

XA10181A / CCA18F°C																										
			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	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		AMPS	5.5	5.6	5.8	-	5.9	6.1	6.3	-	6.4	6.6	6.8	-	6.9	7.1	7.3	-	7.3	7.5	7.8	-	7.8	8.0	8.2	-
		HI PR	146	157	166	-	164	177	186	-	187	201	212	-	213	229	242	-	239	257	272	-	264	284	300	-
		LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	81	89	-
	600	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		AMPS	5.4	5.6	5.7	-	5.9	6.0	6.2	-	6.4	6.5	6.8	-	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.7	7.9	8.2	-
		HI PR	145	156	165	-	162	175	185	-	185	199	210	-	210	226	239	-	237	255	269	-	262	281	297	-
		LO PR	61	65	70	-	64	68	74	-	67	71	77	-	70	74	81	-	73	78	85	-	76	81	88	-
	525	Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		AMPS	5.3	5.4	5.6	-	5.7	5.8	6.0	-	6.2	6.4	6.6	-	6.6	6.8	7.0	-	7.1	7.2	7.5	-	7.5	7.7	7.9	-
		HI PR	140	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	288	-
		LO PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	74	78	85	-
75	675	Delta T	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
		AMPS	5.5	5.7	5.8	6.1	6.0	6.1	6.3	6.6	6.5	6.7	6.9	7.2	7.0	7.1	7.4	7.7	7.4	7.6	7.9	8.2	7.9	8.1	8.3	8.6
		HI PR	148	159	168	175	166	178	188	196	189	203	214	223	215	231	244	254	242	260	274	286	267	287	303	316
		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
	600	Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		AMPS	5.5	5.6	5.8	6.0	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.1	6.9	7.1	7.3	7.6	7.3	7.5	7.8	8.1	7.8	8.0	8.2	8.6
		HI PR	146	157	166	173	164	177	186	195	187	201	212	221	213	229	242	252	239	257	272	283	264	284	300	313
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95
	525	Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		AMPS	5.3	5.5	5.6	5.8	5.8	5.9	6.1	6.3	6.3	6.4	6.6	6.9	6.7	6.9	7.1	7.4	7.1	7.3	7.6	7.8	7.6	7.8	8.0	8.3
		HI PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	244	232	250	264	275	256	276	291	304
		LO PR	59	63	69	74	63	67	73	78	65	69	76	81	69	73	80	85	72	76	83	89	74	79	86	92
80	675	Delta T	22	21	18	15	22	22	19	15	22	22	19	15	23	22	19	15	22	21	19	15	20	20	17	14
		AMPS	5.6	5.7	5.9	6.1	6.0	6.2	6.4	6.6	6.6	6.7	7.0	7.2	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	7.9	8.1	8.4	8.7
		HI PR	149	161	170	177	167	180	190	198	190	205	216	226	217	233	246	257	244	263	277	289	270	290	306	319
		LO PR	63	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	93	78	83	91	97
	600	Delta T	23	22	19	15	23	22	19	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14
		AMPS	5.5	5.7	5.8	6.1	6.0	6.1	6.3	6.6	6.5	6.7	6.9	7.2	7.0	7.1	7.4	7.7	7.4	7.6	7.9	8.2	7.9	8.1	8.3	8.6
		HI PR	148	159	168	175	166	178	188	196	189	203	214	223	215	231	244	254	242	260	275	286	267	287	303	316
		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
	525	Delta T	23	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		AMPS	5.4	5.5	5.7	5.9	5.8	6.0	6.2	6.4	6.3	6.5	6.7	7.0	6.8	6.9	7.2	7.4	7.2	7.4	7.6	7.9	7.6	7.8	8.1	8.4
		HI PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	234	252	266	278	259	279	294	307
		LO PR	60	64	70	74	63	67	74	78	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93

*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.