

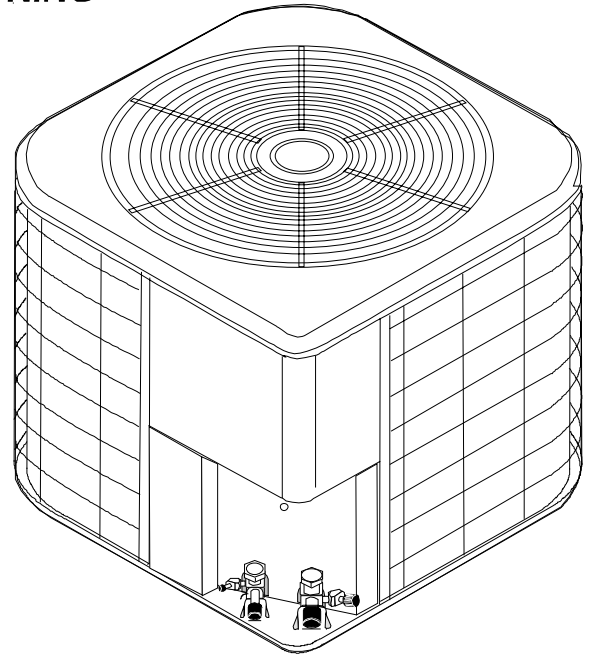
XENON™

HEATING & AIR CONDITIONING

XA12181A

Remote Condensing Unit

Specification Sheet



Standard Features

- Liquid Line Filter Drier (Shipped for field installation)
- Automatic Reset High Pressure Switch
- Automatic Reset Low Pressure Switch
- Front Seating Valves
- Crankcase Heater
- Low RPM (825) 8-Pole Motor

Accessories

- Low Ambient Kit (LAC02A) (See NOTE)
- Liquid Line Solenoid (LSK01A)
- Freeze Protection Kit (FSK01A)
(Installed on indoor coil)

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	7.9
L.R. Amps	48.0
Condenser Fan Motor	
Horsepower	1/12
R.L. Amps	0.6
L.R. Amps	1.2
Liquid Line, Inches O.D.	3/8
Suction Line, Inches O.D.	5/8
Refrigerant Charge (oz.)	79
Design Subcooling Cooling Mode (°F)	12.5
Power Supply (volts)	208/230-60-1
Min. Circuit Ampacity	10.5
Max. Overcurrent Device (amps)	15
Electric Conduit Size (in.)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs.)	153

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 0.054 diameter restrictor orifice B1443812 or Chatleff 0.055 diameter restrictor orifice 11076302.

Typical Cooling Performance Data



CAUTION

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

XA12181A/CHA18TSC																										
			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	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		AMPS	4.8	4.9	5.0	-	5.2	5.3	5.5	-	5.6	5.7	5.9	-	6.0	6.1	6.3	-	6.4	6.5	6.7	-	6.8	6.9	7.2	-
		HI PR	141	152	160	-	158	170	180	-	180	193	204	-	205	220	233	-	230	248	262	-	254	274	289	-
		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	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		AMPS	4.7	4.8	5.0	-	5.1	5.2	5.4	-	5.6	5.7	5.9	-	5.9	6.1	6.3	-	6.3	6.5	6.7	-	6.7	6.9	7.1	-
		HI PR	139	150	158	-	156	168	178	-	178	191	202	-	203	218	230	-	228	245	259	-	252	271	286	-
		LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-
	525	Δ T	19	16	12	-	19	16	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		AMPS	4.6	4.7	4.9	-	5.0	5.1	5.3	-	5.4	5.5	5.7	-	5.8	5.9	6.1	-	6.1	6.3	6.5	-	6.5	6.7	6.9	-
		HI PR	135	146	154	-	152	163	172	-	173	186	196	-	197	212	223	-	221	238	251	-	244	263	278	-
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-
75	675	Δ T	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		AMPS	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.7	5.8	6.0	6.2	6.0	6.2	6.4	6.6	6.4	6.6	6.8	7.1	6.8	7.0	7.2	7.5
		HI PR	142	153	162	169	160	172	181	189	182	195	206	215	207	223	235	245	233	250	264	276	257	277	292	305
		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
	600	Δ T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
		AMPS	4.8	4.9	5.1	5.2	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.2	6.0	6.1	6.3	6.6	6.4	6.5	6.7	7.0	6.8	6.9	7.2	7.4
		HI PR	141	152	160	167	158	170	180	187	180	193	204	213	205	220	233	243	230	248	262	273	254	274	289	302
		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	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	17	11	20	19	15	11
		AMPS	4.6	4.8	4.9	5.1	5.0	5.1	5.3	5.5	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.7	7.0	7.2
		HI PR	137	147	155	162	153	165	174	182	174	188	198	207	199	214	226	235	223	240	254	265	247	266	281	293
		LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93
80	675	Δ T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14
		AMPS	4.9	5.0	5.1	5.3	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.3	6.1	6.3	6.5	6.7	6.5	6.7	6.9	7.1	6.9	7.0	7.3	7.6
		HI PR	144	155	163	170	161	174	183	191	183	197	208	217	209	225	237	248	235	253	267	279	260	279	295	308
		LO PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98
	600	Δ T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		AMPS	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.7	5.8	6.0	6.2	6.0	6.2	6.4	6.6	6.4	6.6	6.8	7.1	6.8	7.0	7.2	7.5
		HI PR	142	153	162	169	160	172	181	189	182	195	206	215	207	223	235	245	233	250	264	276	257	277	292	305
		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
	525	Δ T	24	23	20	16	25	24	20	16	25	24	21	16	25	24	21	16	24	23	20	16	23	22	19	15
		AMPS	4.7	4.8	5.0	5.1	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.5	6.3	6.4	6.6	6.9	6.6	6.8	7.0	7.3
		HI PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	256	267	249	268	283	296
		LO PR	61	65	71	75	64	68	75	79	67	71	78	83	70	75	81	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.