

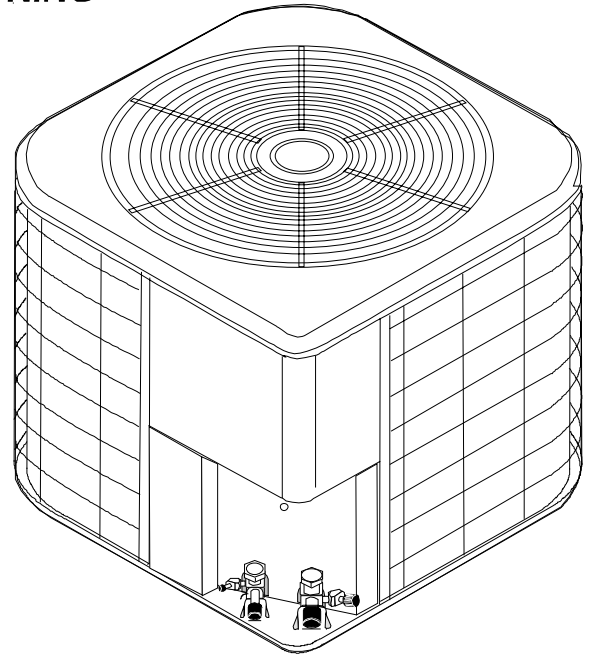
XENON™

HEATING & AIR CONDITIONING

XA12481A

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
- Anti-Short Cycle Protector
- Hard Start Components

Accessories

- Low Ambient Kit (LAC02A) (See NOTE)
- Liquid Line Solenoid (LSK01A)
- Freeze Protection Kit (FSK01A)
(Install 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)	48,000
Compressor	
R.L. Amps	22.1
L.R. Amps	110.0
Condenser Fan Motor	
Horsepower	1/4
R.L. Amps	1.6
L.R. Amps	2.7
Liquid Line, Inches O.D.	3/8
Suction Line, Inches O.D.	7/8
Refrigerant Charge (oz.)	138
Design Subcooling Cooling Mode (°F)	12.2
Power Supply (volts)	208/230-60-1
Min. Circuit Ampacity	29.2
Max. Overcurrent Device (amps)	50.0
Electric Conduit Size (in.)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs.)	243

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 0.084 diameter restrictor orifice B1443805 or Chatteff 0.084 diameter restrictor orifice 11076312.

Typical Cooling Performance Data



CAUTION

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

XA12481A / CHA54T°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	1800	Δ T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		AMPS	12.7	13.0	13.4	-	13.7	14.0	14.4	-	14.8	15.2	15.7	-	15.8	16.2	16.7	-	16.8	17.2	17.8	-	17.8	18.3	18.9	-
		HI PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	243	-	240	258	273	-	265	285	301	-
		LO PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-
	1550	Δ T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		AMPS	12.6	12.8	13.3	-	13.5	13.9	14.3	-	14.7	15.0	15.5	-	15.7	16.1	16.6	-	16.7	17.1	17.6	-	17.7	18.1	18.7	-
		HI PR	145	156	165	-	163	176	185	-	186	200	211	-	211	227	240	-	238	256	270	-	263	283	298	-
		LO PR	61	65	71	-	64	68	75	-	67	71	77	-	70	75	81	-	73	78	85	-	76	81	88	-
	1400	Δ T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		AMPS	12.4	12.7	13.1	-	13.3	13.7	14.1	-	14.5	14.8	15.3	-	15.4	15.8	16.3	-	16.4	16.8	17.4	-	17.4	17.8	18.4	-
		HI PR	143	154	162	-	160	173	182	-	182	196	207	-	208	224	236	-	234	251	266	-	258	278	293	-
		LO PR	60	63	69	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-
75	1800	Δ T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	9
		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	17.5	17.0	17.4	18.0	18.7	18.0	18.4	19.0	19.8
		HI PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	256	243	261	276	287	268	288	305	318
		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
	1550	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	12.7	13.0	13.4	13.9	13.7	14.0	14.4	15.0	14.8	15.2	15.7	16.3	15.8	16.2	16.7	17.4	16.8	17.2	17.8	18.5	17.8	18.3	18.9	19.6
		HI PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	243	253	240	258	273	285	265	286	301	314
		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
	1400	Δ T	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11
		AMPS	12.5	12.8	13.2	13.7	13.5	13.8	14.2	14.7	14.6	14.9	15.4	16.0	15.6	16.0	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3
		HI PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	249	236	254	268	280	261	281	296	309
		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	1800	Δ T	22	21	18	14	22	21	18	15	22	21	18	15	23	21	18	15	22	21	18	15	20	19	17	14
		AMPS	12.9	13.2	13.6	14.1	13.9	14.2	14.7	15.2	15.1	15.5	16.0	16.6	16.1	16.5	17.1	17.7	17.1	17.6	18.1	18.8	18.2	18.6	19.2	19.9
		HI PR	150	161	170	178	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321
		LO PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	94	78	83	91	97
	1550	Δ T	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15
		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	17.5	17.0	17.4	18.0	18.7	18.0	18.4	19.0	19.8
		HI PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	256	243	261	276	287	268	288	305	318
		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
	1400	Δ T	24	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		AMPS	12.6	12.9	13.3	13.8	13.6	13.9	14.4	14.9	14.7	15.1	15.6	16.2	15.7	16.1	16.6	17.3	16.7	17.1	17.7	18.4	17.7	18.1	18.7	19.4
		HI PR	146	157	166	173	164	176	186	194	186	200	211	221	212	228	241	251	238	257	271	283	263	283	299	312
		LO PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	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.