

RSD48A2A

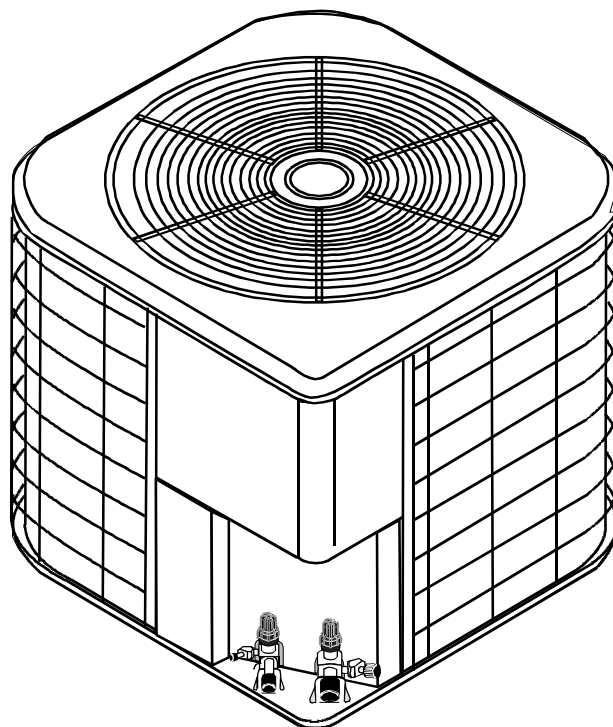
Remote Condensing Unit with R-410A

Specification Sheet

Specifications	
Cooling Capacity, BTUH (Nominal)	46,500
Compressor	
R.L. Amps	20.5
L.R. Amps	109.0
Condenser Fan Motor	
Horsepower	1/4
R.L. Amps	2.1
L.R. Amps	3.7
Liquid Line, Inches O.D.	3/8
Suction Line, Inches O.D.	7/8
Refrigerant Charge (oz)	157
Design Subcooling Mode (°F)	10
Power Supply	208/230-60-1
Min. Circuit Ampacity	27.3
Max. Overcurrent Device (Amps)	45
Electric Conduit Size (Inches)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs)	236

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 minimum 75° C rated copper wire only.

Installation of this unit requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV MUST MATCH THE OUTDOOR UNIT NOT THE INDOOR COIL.



Standard Features

- Liquid Line Drier (Shipped for field installation)
- Moisture Indicator/Sight Glass (Shipped for field installation)
- Automatic Reset High Pressure Switch
- Automatic Reset Low Pressure Switch
- Backseating Valves (non-standard ports)
- Low RPM (825) 8-Pole Motor
- Compressor Sound Blanket
- Scroll Compressor
- 5-minute Anti-Short Cycle Protection

Accessories

- Freeze Protection Kit (FSK01A) (For Indoor Coil)
- Expansion Valve Kit (TX410A04A) (To be installed on indoor coil) *required*
- Hard Start Capacitor and Relay (HSK10A)
- Service Port Adapter Kit (ADAP01)
- Service Hose Kit (HOSE01)
- Service Gauge Kit (GAGE01)

Due to policy of continual product improvement, the right is reserved to change specifications and design without notice.

Typical Cooling Performance Data



CAUTION

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

IDB*		Outdoor Ambient Temperature (°F)																																															
		65								75								85								95								105								115							
		Entering Indoor Wet Bulb Temperature (°F)																																															
70	Airflow	Δ T	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																			
		AMPS	16	14	10	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-															
		HI PR	239	257	261	-	268	288	292	-	306	329	334	-	353	379	385	-	394	424	430	-	428	434	430	-	445	479	486	-	445	479	486	-															
		LO PR	114	119	129	-	117	122	132	-	121	127	137	-	125	130	140	-	128	134	145	-	128	134	145	-	131	137	148	-	131	137	148	-															
	1600	Δ T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	14	11	-	17	14	11	-	16	13	10	-	16	13	10	-															
		AMPS	12.1	12.4	12.8	-	13.1	13.4	13.8	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.1	16.5	17.0	-	16.1	16.5	17.0	-	17.0	17.4	18.0	-	17.0	17.4	18.0	-															
		HI PR	237	255	258	-	265	285	289	-	303	326	330	-	349	376	381	-	390	419	425	-	390	419	425	-	441	474	481	-	441	474	481	-															
		LO PR	113	118	128	-	116	121	131	-	120	125	135	-	123	129	139	-	127	132	143	-	127	132	143	-	130	135	146	-	130	135	146	-															
	1400	Δ T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-															
		AMPS	12.0	12.3	12.7	-	12.9	13.2	13.7	-	14.0	14.4	14.8	-	15.0	15.3	15.9	-	15.9	16.3	16.9	-	15.9	16.3	16.9	-	16.9	17.3	17.9	-	16.9	17.3	17.9	-															
HI PR		234	252	256	-	262	282	286	-	300	323	327	-	346	372	377	-	386	415	421	-	386	415	421	-	436	469	476	-	436	469	476	-																
LO PR		112	117	126	-	115	120	130	-	119	124	134	-	122	127	138	-	126	131	142	-	126	131	142	-	129	134	145	-	129	134	145	-																
75	1800	Δ T	18	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	18	17	14	10	18	17	14	10	17	16	13	9	17	16	13	9															
		AMPS	12.2	12.5	12.9	13.4	13.2	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.6	16.1	16.8	16.2	16.6	17.2	17.8	16.2	16.6	17.2	17.8	17.2	17.6	18.2	18.9	17.2	17.6	18.2	18.9															
		HI PR	239	257	261	266	268	288	292	297	306	329	334	340	353	379	385	392	394	424	430	438	394	424	430	438	445	479	486	495	445	479	486	495															
		LO PR	114	119	129	138	117	122	132	142	121	127	137	147	125	130	140	150	128	134	145	155	128	134	145	155	131	137	148	158	131	137	148	158															
	1600	Δ T	19	18	14	10	19	18	15	10	19	18	15	10	20	18	15	10	19	18	15	10	19	18	15	10	18	17	14	9	18	17	14	9															
		AMPS	12.1	12.4	12.8	13.2	13.1	13.4	13.8	14.3	14.2	14.5	15.0	15.5	15.1	15.5	16.0	16.6	16.1	16.5	17.0	17.7	16.1	16.5	17.0	17.7	17.0	17.4	18.0	18.7	17.0	17.4	18.0	18.7															
		HI PR	237	255	258	263	265	285	289	295	303	326	330	337	349	376	381	388	390	419	425	434	390	419	425	434	441	474	481	490	441	474	481	490															
		LO PR	113	118	128	137	116	121	131	140	120	125	135	145	123	129	139	149	127	132	143	153	127	132	143	153	130	135	146	157	130	135	146	157															
	1400	Δ T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	18	17	14	10															
		AMPS	12.0	12.3	12.7	13.1	12.9	13.2	13.7	14.2	14.0	14.4	14.8	15.4	15.0	15.3	15.9	16.4	15.9	16.3	16.9	17.5	15.9	16.3	16.9	17.5	16.9	17.3	17.9	18.5	16.9	17.3	17.9	18.5															
HI PR		234	252	256	261	262	282	286	292	300	323	327	333	346	372	377	384	386	415	421	429	386	415	421	429	436	469	476	485	436	469	476	485																
LO PR		112	117	126	135	115	120	130	139	119	124	134	144	122	127	138	147	126	131	142	152	126	131	142	152	129	134	145	155	129	134	145	155																
80	1800	Δ T	21	20	17	14	21	20	17	14	21	20	17	14	21	20	17	14	21	20	17	14	21	20	17	14	20	18	16	13	20	18	16	13															
		AMPS	12.2	12.5	12.9	13.4	13.2	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.6	16.1	16.8	16.2	16.6	17.2	17.8	16.2	16.6	17.2	17.8	17.2	17.6	18.2	18.9	17.2	17.6	18.2	18.9															
		HI PR	239	257	261	266	268	288	292	297	306	329	334	340	353	379	385	392	394	424	430	438	394	424	430	438	445	479	486	495	445	479	486	495															
		LO PR	114	119	129	138	117	122	132	142	121	127	137	147	125	130	140	150	128	134	145	155	128	134	145	155	131	137	148	158	131	137	148	158															
	1600	Δ T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	19	17	14	20	19	17	13	20	19	17	13															
		AMPS	12.1	12.4	12.8	13.2	13.1	13.4	13.8	14.3	14.2	14.5	15.0	15.5	15.1	15.5	16.0	16.6	16.1	16.5	17.0	17.7	16.1	16.5	17.0	17.7	17.0	17.4	18.0	18.7	17.0	17.4	18.0	18.7															
		HI PR	237	255	258	263	265	285	289	295	303	326	330	337	349	376	381	388	390	419	425	434	390	419	425	434	441	474	481	490	441	474	481	490															
		LO PR	113	118	128	137	116	121	131	140	120	125	135	145	123	129	139	149	127	132	143	153	127	132	143	153	130	135	146	157	130	135	146	157															
	1400	Δ T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	20	20	17	14	20	20	17	14															
		AMPS	12.0	12.3	12.7	13.1	12.9	13.2	13.7	14.2	14.0	14.4	14.8	15.4	15.0	15.3	15.9	16.4	15.9	16.3	16.9	17.5	15.9	16.3	16.9	17.5	16.9	17.3	17.9	18.5	16.9	17.3	17.9	18.5															
HI PR		234	252	256	261	262	282	286	292	300	323	327	333	346	372	377	384	386	415	421	429	386	415	421	429	436	469	476	485	436	469	476	485																
LO PR		112	117	126	135	115	120	130	139	119	124	134	144	122	127	138	147	126	131	142	152	126	131	142	152	129	134	145	155	129	134	145	155																