

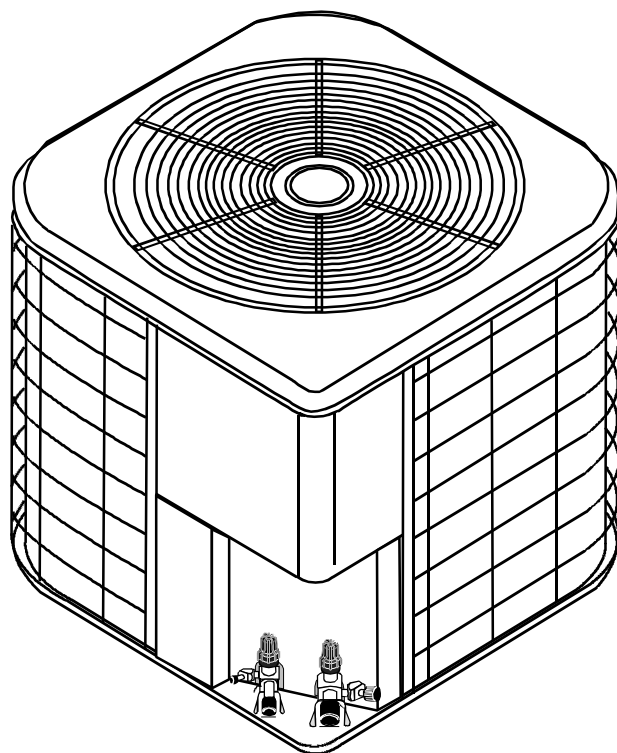
RSD24A2A

Remote Condensing Unit with R-410A Refrigerant Specification Sheet

Specifications	
Cooling Capacity, BTUH (Nominal)	25,000
Compressor	
R.L. Amps	13.4
L.R. Amps	61.0
Condenser Fan Motor	
Horsepower	1/6
R.L. Amps	1.1
L.R. Amps	2.1
Liquid Line, Inches O.D.	3/8
Suction Line, Inches O.D.	3/4
Refrigerant Charge (oz)	116
Design Subcooling Mode (°F)	12
Power Supply	208/230-60-1
Min. Circuit Ampacity	18.0
Max. Overcurrent Device (Amps)	30.0
Electric Conduit Size (Inches)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs)	178

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)
- Automatic Reset High Pressure Switch
- Automatic Reset Low Pressure Switch
- Backseating Valves
- 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 (TX410A01A)
(Installed on indoor coil) *required*
- Hard Start Capacitor and Relay (HSK10A)
- Service Part 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.

RSD24A2A / CA36T*A / TX410A01A			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	59	63	67	71																				
70	900	Δ T	16	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-																				
		AMPS	7.3	7.5	7.7	-	7.9	8.0	8.3	-	8.5	8.7	9.0	-	9.1	9.3	9.6	-	9.6	9.9	10.2	-	9.6	9.9	10.2	-	10.2	10.4	10.8	-																				
		HI PR	233	251	255	-	261	281	285	-	299	321	326	-	345	370	376	-	385	414	419	-	385	414	419	-	435	467	474	-																				
		LO PR	113	118	127	-	116	121	130	-	120	125	135	-	123	128	138	-	126	132	142	-	126	132	142	-	129	135	146	-																				
	800	Δ T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-																				
AMPS	7.2	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.9	-	9.0	9.2	9.5	-	9.5	9.8	10.1	-	9.5	9.8	10.1	-	10.1	10.3	10.7	-																						
HI PR	231	249	252	-	259	278	282	-	296	318	323	-	341	367	372	-	381	410	415	-	381	410	415	-	430	463	469	-																						
LO PR	112	116	126	-	115	119	129	-	118	123	133	-	122	127	137	-	125	130	141	-	125	130	141	-	128	133	144	-																						
700	Δ T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-																					
	AMPS	7.2	7.3	7.6	-	7.7	7.9	8.1	-	8.4	8.6	8.8	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	9.5	9.7	10.0	-	10.0	10.2	10.6	-																					
	HI PR	229	246	250	-	256	275	279	-	293	315	319	-	338	363	368	-	377	405	411	-	377	405	411	-	426	458	465	-																					
	LO PR	111	115	125	-	113	118	128	-	117	122	132	-	120	126	136	-	124	129	140	-	124	129	140	-	127	132	143	-																					
	75	Δ T	19	17	14	10	19	18	14	10	19	18	14	10	19	18	15	10	19	17	14	10	19	17	14	10	18	16	13	9																				
AMPS		7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.6	9.9	10.2	10.6	10.2	10.4	10.8	11.2	10.2	10.4	10.8	11.2																					
HI PR		233	251	255	259	261	281	285	290	299	321	326	332	345	370	376	383	385	414	419	428	385	414	419	428	435	467	474	483																					
LO PR		113	118	127	136	116	121	130	140	120	125	135	144	123	128	138	148	126	132	142	153	129	135	146	156	129	135	146	156																					
Δ T		20	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																					
AMPS	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.5	10.1	10.3	10.7	11.1	10.1	10.3	10.7	11.1																						
HI PR	231	249	252	257	259	278	282	288	296	318	323	329	341	367	372	379	381	410	415	423	381	410	415	423	430	463	469	478																						
LO PR	112	116	126	135	115	119	129	138	118	123	133	143	122	127	137	147	125	130	141	151	125	130	141	151	128	133	144	155																						
700	Δ T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10	20	19	15	10	19	17	14	10																					
	AMPS	7.2	7.3	7.6	7.8	7.7	7.9	8.1	8.4	8.4	8.6	8.8	9.1	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.0	10.2	10.6	11.0	10.0	10.2	10.6	11.0																					
	HI PR	229	246	250	254	256	275	279	285	293	315	319	325	338	363	368	375	377	405	411	419	377	405	411	419	426	458	465	474																					
	LO PR	111	115	125	133	113	118	128	137	117	122	132	142	120	126	136	145	124	129	140	150	124	129	140	150	127	132	143	153																					
	80	Δ T	21	20	18	14	21	20	18	14	21	20	18	14	22	21	18	14	21	20	18	14	21	20	18	14	20	19	17	13																				
AMPS		7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.6	9.9	10.2	10.6	10.2	10.4	10.8	11.2	10.2	10.4	10.8	11.2																					
HI PR		233	251	255	259	261	281	285	290	299	321	326	332	345	370	376	383	385	414	419	428	385	414	419	428	435	467	474	483																					
LO PR		113	118	127	136	116	121	130	140	120	125	135	144	123	128	138	148	126	132	142	153	129	135	146	156	129	135	146	156																					
Δ T		22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	22	21	18	15	22	21	18	15	21	20	17	14																					
AMPS	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.5	10.1	10.3	10.7	11.1	10.1	10.3	10.7	11.1																						
HI PR	231	249	252	257	259	278	282	288	296	318	323	329	341	367	372	379	381	410	415	423	381	410	415	423	430	463	469	478																						
LO PR	112	116	126	135	115	119	129	138	118	123	133	143	122	127	137	147	125	130	141	151	125	130	141	151	128	133	144	155																						
700	Δ T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	17	14																					
	AMPS	7.2	7.3	7.6	7.8	7.7	7.9	8.1	8.4	8.4	8.6	8.8	9.1	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.0	10.2	10.6	11.0	10.0	10.2	10.6	11.0																					
	HI PR	229	246	250	254	256	275	279	285	293	315	319	325	338	363	368	375	377	405	411	419	377	405	411	419	426	458	465	474																					
	LO PR	111	115	125	133	113	118	128	137	117	122	132	142	120	126	136	145	124	129	140	150	124	129	140	150	127	132	143	153																					

*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.