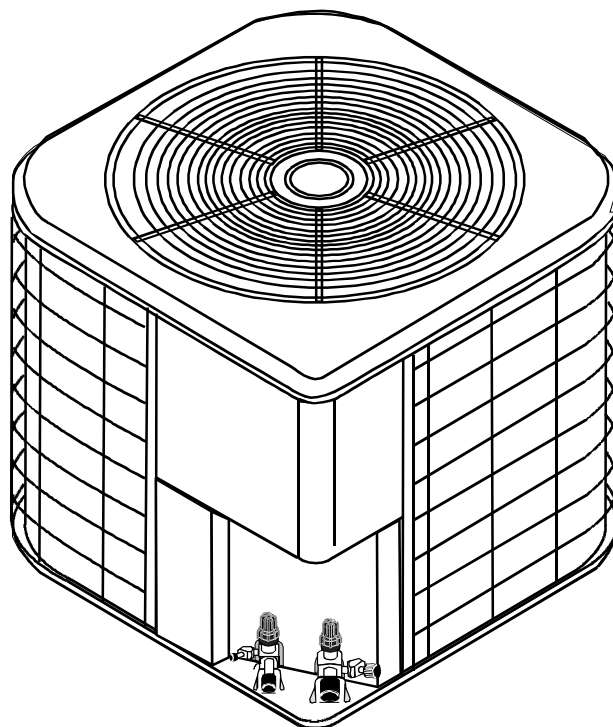


RSD30A2A

Remote Condensing Unit with R-410A

Specification Sheet

Specifications	
Cooling Capacity, BTUH (Nominal)	31,000
Compressor	
R.L. Amps	14.7
L.R. Amps	72.5
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)	118
Design Subcooling Mode (°F)	9
Power Supply	208/230-60-1
Min. Circuit Ampacity	19.5
Max. Overcurrent Device (Amps)	30
Electric Conduit Size (Inches)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs)	179



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 (TX410A03A) (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.

CAUTION

*Entering Dry Bulb Temperature.

			RSD30A2A / CA36F*A / TX410A03A																																				
			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	1125	Δ T	17	15	11	-	17	15	11	-	18	15	11	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-									
		AMPS	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.4	9.6	9.9	-	10.0	10.3	10.6	-	10.7	10.9	11.3	-	11.3	11.5	11.9	-	11.3	11.5	11.9	-									
		HI PR	237	255	259	-	266	286	290	-	304	326	331	-	350	376	382	-	391	420	426	-	442	475	482	-	442	475	482	-									
		LO PR	118	123	133	-	121	126	136	-	125	130	141	-	128	134	144	-	132	138	149	-	135	141	152	-	135	141	152	-									
	1000	Δ T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-									
		AMPS	8.0	8.1	8.4	-	8.6	8.8	9.1	-	9.3	9.5	9.8	-	9.9	10.2	10.5	-	10.6	10.8	11.2	-	11.2	11.4	11.8	-	11.2	11.4	11.8	-									
		HI PR	235	253	256	-	263	283	287	-	301	323	328	-	347	373	378	-	387	416	422	-	437	470	477	-	437	470	477	-									
		LO PR	117	122	131	-	120	125	135	-	124	129	139	-	127	132	143	-	131	136	147	-	134	139	151	-	134	139	151	-									
	875	Δ T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-									
		AMPS	7.9	8.1	8.3	-	8.5	8.7	9.0	-	9.2	9.4	9.7	-	9.8	10.1	10.4	-	10.5	10.7	11.1	-	11.1	11.3	11.7	-	11.1	11.3	11.7	-									
		HI PR	233	250	254	-	260	280	284	-	298	320	325	-	343	369	374	-	383	412	418	-	433	466	472	-	433	466	472	-									
		LO PR	115	120	130	-	118	123	133	-	122	128	138	-	126	131	142	-	129	135	146	-	132	138	149	-	132	138	149	-									
75	1125	Δ T	20	18	15	10	20	19	15	10	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10	19	17	14	10									
		AMPS	8.0	8.2	8.5	8.8	8.7	8.9	9.1	9.5	9.4	9.6	9.9	10.3	10.0	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.5	11.9	12.4	11.3	11.5	11.9	12.4									
		HI PR	237	255	259	264	266	286	290	295	304	326	331	337	350	376	382	389	391	420	426	434	442	475	482	491	442	475	482	491									
		LO PR	118	123	133	142	121	126	136	146	125	130	141	151	128	134	144	155	132	138	149	159	135	141	152	163	135	141	152	163									
	1000	Δ 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	19	18	15	10									
		AMPS	8.0	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.4	11.8	12.3	11.2	11.4	11.8	12.3									
		HI PR	235	253	256	261	263	283	287	292	301	323	328	334	347	373	378	385	387	416	422	430	437	470	477	486	437	470	477	486									
		LO PR	117	122	131	141	120	125	135	144	124	129	139	149	127	132	143	153	131	136	147	158	134	139	151	161	134	139	151	161									
	875	Δ T	21	19	16	11	21	19	16	11	21	20	16	11	22	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10									
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.3	11.7	12.2	11.1	11.3	11.7	12.2									
		HI PR	233	250	254	258	260	280	284	289	298	320	325	331	343	369	374	381	383	412	418	426	433	466	472	481	433	466	472	481									
		LO PR	115	120	130	139	118	123	133	143	122	128	138	148	126	131	142	152	129	135	146	156	132	138	149	160	132	138	149	160									
80	1125	Δ T	22	21	19	15	22	22	19	15	23	22	19	15	23	22	19	15	23	21	19	15	21	20	17	14	21	20	17	14									
		AMPS	8.0	8.2	8.5	8.8	8.7	8.9	9.1	9.5	9.4	9.6	9.9	10.3	10.0	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.5	11.9	12.4	11.3	11.5	11.9	12.4									
		HI PR	237	255	259	264	266	286	290	295	304	326	331	337	350	376	382	389	391	420	426	434	442	475	482	491	442	475	482	491									
		LO PR	118	123	133	142	121	126	136	146	125	130	141	151	128	134	144	155	132	138	149	159	135	141	152	163	135	141	152	163									
	1000	Δ T	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	20	16	22	19	15	22	21	18	14	22	21	18	14								
		AMPS	8.0	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.4	11.8	12.3	11.2	11.4	11.8	12.3									
		HI PR	235	253	256	261	263	283	287	292	301	323	328	334	347	373	378	385	387	416	422	430	437	470	477	486	437	470	477	486									
		LO PR	117	122	131	141	120	125	135	144	124	129	139	149	127	132	143	153	131	136	147	158	134	139	151	161	134	139	151	161									
	875	Δ T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	22	21	18	15									
		AMPS	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.3	11.7	12.2	11.2	11.4	11.8	12.2									
		HI PR	233	250	254	258	260	280	284	289	298	320	325	331	343	369	374	381	383	412	418	426	433	466	472	481	433	466	472	481									
		LO PR	115	120	130	139	118	123	133	143	122	128	138	148	126	131	142	152	129	135	146	156	132	138	149	160	132	138	149	160									

*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 service valve gauge ports.

Amps are total unit amps at a rated voltage of 230 VAC.