

RSD36A2A

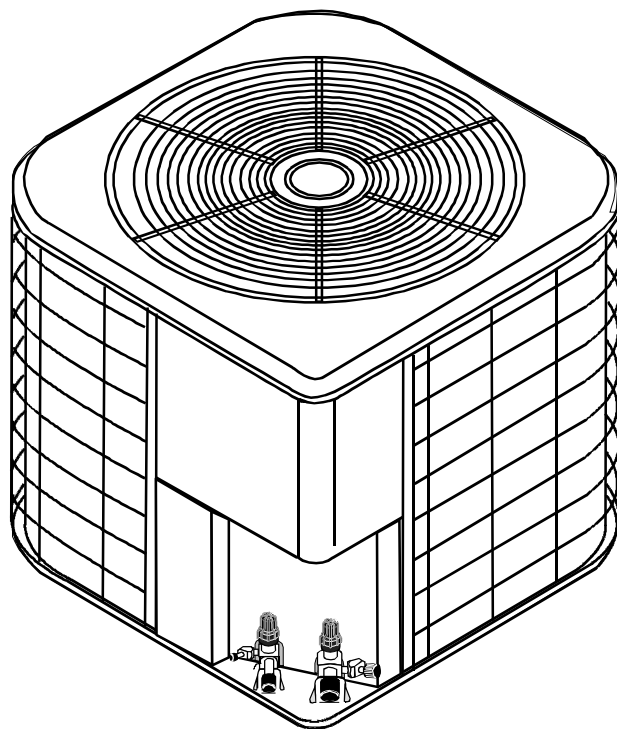
Remote Condensing Unit with R-410A

Specification Sheet

Specifications	
Cooling Capacity, BTUH (Nominal)	35,800
Compressor	
R.L. Amps	15.4
L.R. Amps	83.0
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)	127
Design Subcooling Mode (°F)	9
Power Supply	208/230-60-1
Min. Circuit Ampacity	20.4
Max. Overcurrent Device (Amps)	35
Electric Conduit Size (Inches)	
Power Supply	1/2 or 3/4
Low Voltage	1/2
Approximate Shipping Weight (lbs)	191

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.

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							
		Entering Indoor Wet Bulb Temperature (°F)																															
1350	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								
	Δ T	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	14	11	-								
	AMPS	9.4	9.6	10.0	-	10.2	10.4	10.8	-	11.1	11.4	11.8	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	12.7	13.0	13.5	-								
	HI PR	245	263	267	-	274	295	299	-	313	337	342	-	361	388	394	-	361	388	394	-	403	434	440	-								
	LO PR	115	120	130	-	118	123	133	-	122	127	138	-	126	131	141	-	126	131	141	-	129	135	146	-								
1200	Δ T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	18	15	12	-	17	15	11	-								
	AMPS	9.3	9.5	9.9	-	10.1	10.3	10.7	-	11.0	11.3	11.7	-	11.8	12.1	12.5	-	11.8	12.1	12.5	-	12.6	12.9	13.3	-								
	HI PR	242	261	264	-	271	292	296	-	310	333	338	-	358	385	390	-	358	385	390	-	399	429	435	-								
	LO PR	114	119	129	-	117	122	132	-	121	126	136	-	124	130	140	-	124	130	140	-	128	133	144	-								
	Δ T	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-								
1050	AMPS	9.2	9.5	9.8	-	10.0	10.3	10.6	-	10.9	11.2	11.6	-	11.7	12.0	12.4	-	11.7	12.0	12.4	-	12.4	12.8	13.2	-								
	HI PR	240	258	262	-	269	289	293	-	307	330	335	-	354	381	386	-	354	381	386	-	395	425	431	-								
	LO PR	113	118	127	-	116	121	131	-	120	125	135	-	123	128	139	-	123	128	139	-	127	132	143	-								
	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								
	AMPS	9.4	9.6	10.0	10.3	10.2	10.4	10.8	11.2	11.1	11.4	11.8	12.2	11.9	12.2	12.6	13.1	11.9	12.2	12.6	13.1	12.7	13.0	13.5	14.0								
75	HI PR	245	263	267	272	274	295	299	304	313	337	342	348	361	388	394	401	403	434	440	448	456	490	497	506								
	LO PR	115	120	130	139	118	123	133	143	122	127	138	148	126	131	141	152	129	135	146	156	132	138	149	160								
	Δ T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10								
	AMPS	9.3	9.5	9.9	10.3	10.1	10.3	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.6	12.9	13.3	13.9	13.3	13.7	14.2	14.7								
	HI PR	242	261	264	269	271	292	296	301	310	333	338	345	358	385	390	397	399	429	435	444	451	485	492	501								
1200	LO PR	114	119	129	138	117	122	132	141	121	126	136	146	124	130	140	150	128	133	144	154	131	136	147	158								
	Δ T	20	19	15	11	21	19	15	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10								
	AMPS	9.2	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	12.0	12.4	12.9	12.4	12.8	13.2	13.7	13.2	13.5	14.0	14.6								
	HI PR	240	258	262	267	269	289	293	298	307	330	335	341	354	381	386	394	395	425	431	439	447	480	487	496								
	LO PR	113	118	127	136	116	121	131	140	120	125	135	145	123	128	139	149	127	132	143	153	130	135	146	156								
1350	Δ T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	15	22	21	18	14	20	19	17	13								
	AMPS	9.4	9.6	10.0	10.3	10.2	10.4	10.8	11.2	11.1	11.4	11.8	12.2	11.9	12.2	12.6	13.1	12.7	13.0	13.5	14.0	13.5	13.8	14.3	14.9								
	HI PR	245	263	267	272	274	295	299	304	313	337	342	348	361	388	394	401	403	434	440	448	456	490	497	506								
	LO PR	115	120	130	139	118	123	133	143	122	127	138	148	126	131	141	152	129	135	146	156	132	138	149	160								
	Δ T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14								
1200	AMPS	9.3	9.5	9.9	10.3	10.1	10.3	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.6	12.9	13.3	13.9	13.3	13.7	14.2	14.7								
	HI PR	242	261	264	269	271	292	296	301	310	333	338	345	358	385	390	397	399	429	435	444	451	485	492	501								
	LO PR	114	119	129	138	117	122	132	141	121	126	136	146	124	130	140	150	128	133	144	154	131	136	147	158								
	Δ T	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	9.2	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	12.0	12.4	12.9	12.4	12.8	13.2	13.7	13.2	13.5	14.0	14.6								
80	HI PR	240	258	262	267	269	289	293	298	307	330	335	341	354	381	386	394	395	425	431	439	447	480	487	496								
	LO PR	113	118	127	136	116	121	131	140	120	125	135	145	123	128	139	149	127	132	143	153	130	135	146	156								
	Δ T	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	15	22	21	18	14	20	19	17	13								
	AMPS	9.4	9.6	10.0	10.3	10.2	10.4	10.8	11.2	11.1	11.4	11.8	12.2	11.9	12.2	12.6	13.1	12.7	13.0	13.5	14.0	13.5	13.8	14.3	14.9								
	HI PR	245	263	267	272	274	295	299	304	313	337	342	348	361	388	394	401	403	434	440	448	456	490	497	506								
1350	LO PR	115	120	130	139	118	123	133	143	122	127	138	148	126	131	141	152	129	135	146	156	132	138	149	160								
	Δ T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14								
	AMPS	9.3	9.5	9.9	10.3	10.1	10.3	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.6	12.9	13.3	13.9	13.3	13.7	14.2	14.7								
	HI PR	242	261	264	269	271	292	296	301	310	333	338	345	358	385	390	397	399	429	435	444	451	485	492	501								
	LO PR	114	119	129	138	117	122	132	141	121	126	136	146	124	130	140	150	128	133	144	154	131	136	147	158								
1050	Δ T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14								
	AMPS	9.2	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	12.0	12.4	12.9	12.4	12.8	13.2	13.7	13.2	13.5	14.0	14.6								
	HI PR	240	258	262	267	269	289	293	298	307	330	335	341	354	381	386	394	395	425	431	439	447	480	487	496								
	LO PR	113	118	127	136	116	121	131	140	120	125	135	145	123	128	139	149	127	132	143	153	130	135	146	156								

*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.