



12+ SEER R410-A AIR CONDITIONER



Representative photo only, some models may vary in appearance.



Rated in accordance with ARI Standard 210. Certification applies only when used with proper components as listed with ARI.



2 THRU 5 TONS SPLIT SYSTEM FEATURES

- High efficiency scroll compressors on all models
- Copper tube / aluminum fin coil
- Prepainted condenser fins
- Top air discharge for quieter operation
- G-90 Galvanized steel cabinet with integral base rails
- Triple step paint process
- Coated inlet and discharge grilles ruggedly built for enhanced coil protection
- Numerous service friendly features
- Service valves on all models with 3-1/2" stubs
- External refrigerant connections
- Easy side access sloped control panel
- Fan motor in-line disconnect plug
- Standard 5 Year limited warranty on parts
- Ten (10) year limited compressor warranty
- Covered under the 5 year No Hassle Replacement Warranty Program
- Factory charged with Earth Friendly R410-A
- 12 SEER
- Discharge muffler for quiet operation
- Filter Dryer
- High and Low Pressure Switches
- Shortened control panel
- Added coil protection with resin mesh guard behind the standard grille
- 2 to 5 ton capacities

International Comfort Products Corporation (LLC)
651 Heil-Quaker Ave.
Lewisburg, Tennessee 37091

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS •
COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED HOME AIR
CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

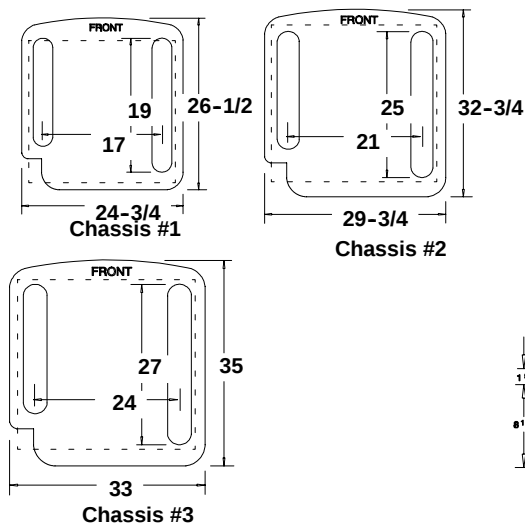
Base Specifications

Model Number	CXA224AKA1	CXA230AKA1	CXA236AKA1	CXA242AKA1	CXA248AKA1	CXA260AKA1
Rated Cooling Capacity (Btuh)	24000	28400	36000	42000	45000	57000
SEER Label	12	12	12	12	12	12
Fan HP / Type / Speeds	1/8-PSC-1	1/3-PSC-1	1/3-PSC-1	1/3-PSC-1	1/4-PSC-1	1/4-PSC-1
Fan RPM / Max. CFM	1075 / 1800	1075 / 2850	1075 / 3100	1075 / 3100	840 / 3750	840 / 3750
Coil Face Area (Sq Ft)	10.7	21.3	18.9	21.3	22.7	26.7
Coil Rows / Fins Per Inch	1 / 20	1 / 24	1 / 20	1 / 24	1 / 22	1 / 24
Line Connection Suction I.D. Size (In.)	3/4	3/4	3/4	7/8	7/8	1 1/8
Line Connection Liquid I.D. Size (In.)	3/8	3/8	3/8	3/8	3/8	3/8
Supplied Optional Evaporator Orifice Size	-	-	-	-	-	-
Factory Charge - R410-A(Oz)	106	144	122	144	168	160
Weight Lbs. (Ship)	160	199	208	240	270	305
Sound Rating (dBA)	69	70	72	73	73	73

Electrical Specifications - 208 - 230 / 1 / 60, Voltage Range 197V - 253V

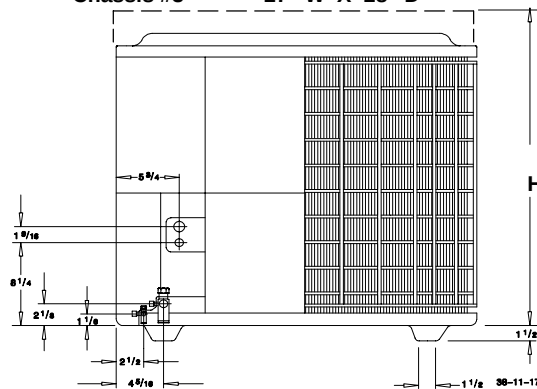
Minimum Circuit Ampacity	16.7	18.7	21.1	25.1	27.1	36
Wire Size/Max. Length (AWG Cu) Ft.	14 / 44	14 / 39	12 / 57	12 / 50	10 / 70	8 / 82
Time Delay Fuse (Amps)	25	30	30	40	40	50
Max. Fuse or HACR Breaker Size (Amps)	25	30	30	40	40	50
Compressor Full Run / Lock Rotor Amps	12.8 / 60	13.5 / 61	15.4 / 83	18.6 / 105	20.5 / 109	26.9 / 145
Fan Full Load / Lock Rotor Amps.	0.7 / 1.6	1.9 / 3.7	1.9 / 3.7	1.9 / 3.7	1.5 / 2.9	1.5 / 2.9

Dimensions		
Model	Chassis	Height (H)
224	1	30.5
230	2	38.5
236	2	34.5
242	2	38.5
248	3	36.5
260	3	42.5



Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearances

Chassis #1 20" W X 20" D
Chassis #2 24" W X 26" D
Chassis #3 27" W X 28" D



Accessory	Description	Used On
AMA001TDA	Indoor Blower Time Delay	All Models
24370800 *	Compressor Anti-short cycle 24 Volt 3 Min. Time Delay	All Models
1070822*	Compressor Anti-short cycle 24 Volt 5 Min. Time Delay	All Models
1148671*	Low Ambient Kit (Fan Cycling Switch)	All Models
1172010	Compressor Crankcase Heater 40w - 240v	1 1/2 thru 4 ton
1172011	Compressor Crankcase Heater 40w - 240v	5 ton
1060833*	Compressor Sound Jacket (Small Scroll)	1 1/2 - 3 Ton
1060834 *	Compressor Sound Jacket (Large Scroll)	3 1/2 - 5 Ton
EBAC05TXVX	Expansion Valve Kit	2 - 2-1/2 Ton
EBAC06TXVX	Expansion Valve Kit	3 - 3-1/2 Ton
EBAC07TXVX	Expansion Valve Kit	4 Ton
EBAC08TXVX	Expansion Valve Kit	5 Ton

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 Degrees F					CFM
		Btuh	S/T	SEER	EER	Watts	
CXA224AKA*	EBV24****+R410A-TXV	23600	0.75	13	11.3	2088	800
CXA224AKA*	EBV36****+R410A-TXV	23600	0.75	13	11.4	2070	800
CXA224AKA*	EBX24****+R410A-TXV	23000	0.75	12	10.5	2190	800
CXA224AKA*	EBX36****+R410A-TXV	23400	0.75	12	10.55	2218	800
CXA224AKA*	EP*36B****+TD1	22400	0.75	11	10	2240	800
CXA224AKA*	EP*36F****+TD1	22400	0.75	11	10	2240	800
CXA224AKA*	EP*36J****+TD1	22400	0.75	11	10	2240	800
CXA224AKA*	EXX*24B****+MV08B15****	23600	0.75	13	11.3	2088	850
CXA224AKA*	EXX*24B****+TD1	23400	0.75	12	10.4	2250	800
CXA224AKA*	EXX*24F****+MV12F19****	23400	0.75	13	11.4	2053	810
CXA224AKA*	EXX*24F****+TD1	23000	0.75	12	10.4	2212	800
CXA224AKA*	EXX*36B****+MV08B15****	23800	0.75	13.3	11.6	2052	840
CXA224AKA*	EXX*36B****+TD1	23400	0.75	12	10.55	2218	800
CXA224AKA*	EXX*36F****+MV12F19****	23600	0.75	13.3	11.75	2009	790
CXA224AKA*	EXX*36F****+TD1	23400	0.75	12	10.55	2218	800
CXA224AKA*	EXX*36J****+MV16J22****	23800	0.75	13.3	11.85	2008	890
CXA224AKA*	EXX*36J****+TD1	23400	0.75	12	10.55	2218	800
CXA230AKA*	EBV36****+R410A-TXV	28600	0.76	13	10.5	2724	1000
CXA230AKA*	EBX36****+R410A-TXV	28400	0.76	12	9.7	2928	1000
CXA230AKA*	EP*36B****+TD1	27000	0.76	11	9.4	2872	1000
CXA230AKA*	EP*36F****+TD1	27000	0.76	11	9.4	2872	1000
CXA230AKA*	EP*36J****+TD1	27000	0.76	11	9.4	2872	1000
CXA230AKA*	EP*42F****+TD1	28000	0.76	11	9.65	2902	1000
CXA230AKA*	EP*42J****+TD1	28000	0.76	11	9.65	2902	1000
CXA230AKA*	EXX*36B****+MV08B15****	28600	0.76	13	10.55	2711	985
CXA230AKA*	EXX*36B****+TD1	28400	0.76	12	9.75	2913	1000
CXA230AKA*	EXX*36F****+MV12F19****	28600	0.76	13	10.7	2673	1015
CXA230AKA*	EXX*36F****+TD1	28400	0.76	12	9.75	2913	1000
CXA230AKA*	EXX*36J****+MV16J22****	28600	0.76	13.2	10.95	2612	1010
CXA230AKA*	EXX*36J****+TD1	28400	0.76	12	9.75	2913	1000
CXA230AKA*	EXX*42F****+MV12F19****	29000	0.76	13.2	10.85	2673	1030
CXA230AKA*	EXX*42F****+TD1	28600	0.76	12	9.85	2904	1000
CXA230AKA*	EXX*42J****+MV16J22****	29000	0.76	13.3	11	2636	990
CXA230AKA*	EXX*42J****+TD1	28600	0.76	12	9.85	2904	1000
CXA236AKA*	EBV36****+R410A-TXV	35600	0.71	12	11.4	3123	1100
CXA236AKA*	EBX36****+R410A-TXV	35600	0.71	12	10.6	3358	1100
CXA236AKA*	EP*36B****+TD1	33800	0.71	11	10.3	3282	1000
CXA236AKA*	EP*36F****+TD1	33800	0.71	11	10.3	3282	1000
CXA236AKA*	EP*36J****+TD1	33800	0.71	11	10.3	3282	1000
CXA236AKA*	EP*42F****+TD1	35000	0.71	11	10.65	3286	1000
CXA236AKA*	EP*42J****+TD1	35000	0.71	11	10.65	3286	1000
CXA236AKA*	EXX*36B****+MV08B15****	35600	0.71	12.5	11.1	3207	1185
CXA236AKA*	EXX*36B****+MV12F19****	35600	0.71	13	11.4	3123	1100
CXA236AKA*	EXX*36B****+TD1	35600	0.71	12	10.7	3327	1100
CXA236AKA*	EXX*36F****+MV12F19****	35600	0.71	13	11.4	3123	1100
CXA236AKA*	EXX*36F****+TD1	35600	0.71	12	10.7	3327	1100
CXA236AKA*	EXX*36J****+MV16J22****	35600	0.71	13.2	11.7	3043	1225
CXA236AKA*	EXX*36J****+TD1	35600	0.71	12	10.7	3327	1100
CXA236AKA*	EXX*42F****+MV12F19****	36000	0.71	13.2	11.6	3103	1115
CXA236AKA*	EXX*42F****+TD1	36000	0.71	12.2	10.85	3318	1100
CXA236AKA*	EXX*42J****+MV16J22****	36000	0.71	13.2	11.8	3051	1200
CXA236AKA*	EXX*42J****+TD1	36000	0.71	12.2	10.85	3318	1100
CXA242AKA*	EBV48****+R410A-TXV	40000	0.73	13	11.15	3587	1200
CXA242AKA*	EBX48****+R410A-TXV	40000	0.73	12	10.4	3846	1200
CXA242AKA*	EP*42F****+TD1	37600	0.73	11	10	3760	1100
CXA242AKA*	EP*42J****+TD1	37600	0.73	11	10	3760	1200

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 Degrees F					CFM
		Btuh	S/T	SEER	EER	Watts	
CXA242AKA*	EP*48F****+TD1	38500	0.73	11	10.1	3812	1200
CXA242AKA*	EP*48J****+TD1	38500	0.73	11	10.2	3775	1200
CXA242AKA*	EP*48L****+TD1	38500	0.73	11	10.2	3775	1200
CXA242AKA*	EP*48N****+TD1	38500	0.73	11	10.2	3775	1200
CXA242AKA*	EXX*42F****+MV16J22****	39000	0.73	13	11.1	3514	1200
CXA242AKA*	EXX*42F****+TD1	39000	0.73	12	10.3	3786	1200
CXA242AKA*	EXX*42J****+MV16J22****	39000	0.73	13	11.1	3514	1200
CXA242AKA*	EXX*42J****+TD1	39000	0.73	12	10.3	3786	1200
CXA242AKA*	EXX*48J****+MV16J22****	39500	0.73	13	11.15	3543	1240
CXA242AKA*	EXX*48J****+TD1	39000	0.73	12	10.3	3786	1200
CXA242AKA*	EXX*48L****+MV16J22****	39500	0.73	13	11.15	3543	1240
CXA242AKA*	EXX*48L****+TD1	39500	0.73	12	10.3	3835	1200
CXA242AKA*	EXX*48N****+MV16J22****	39500	0.73	13	11.15	3543	1250
CXA242AKA*	EXX*48N****+MV20N26****	40000	0.73	13	11.1	3604	1225
CXA242AKA*	EXX*48N****+TD1	39000	0.73	12	10.25	3805	1200
CXA248AKA*	EBV48****+R410A-TXV	47000	0.73	13	11.25	4178	1600
CXA248AKA*	EBX48****+R410A-TXV	47000	0.73	12.2	10.75	4372	1600
CXA248AKA*	EP*48F****+TD1	44000	0.73	11	10.55	4171	1300
CXA248AKA*	EP*48J****+TD1	44000	0.73	11	10.65	4131	1400
CXA248AKA*	EP*48L****+TD1	44000	0.73	11	10.65	4131	1400
CXA248AKA*	EP*48N****+TD1	44000	0.73	11	10.65	4131	1400
CXA248AKA*	EP*60J****+TD1	45500	0.73	11	10.8	4213	1400
CXA248AKA*	EP*60L****+TD1	45500	0.73	11	10.8	4213	1400
CXA248AKA*	EP*60N****+TD1	45500	0.73	11	10.8	4213	1400
CXA248AKA*	EXX*48J****+MV16J22****	46000	0.73	13	11.25	4089	1625
CXA248AKA*	EXX*48J****+TD1	46000	0.73	12	10.65	4319	1600
CXA248AKA*	EXX*48L****+MV16J22****	46000	0.73	13	11.25	4089	1625
CXA248AKA*	EXX*48L****+MV20N26****	46000	0.73	13	11.25	4089	1620
CXA248AKA*	EXX*48L****+TD1	46000	0.73	12	10.65	4319	1600
CXA248AKA*	EXX*48N****+MV16J22****	46000	0.73	13	11.25	4089	1630
CXA248AKA*	EXX*48N****+MV20N26****	46000	0.73	13	11.25	4089	1625
CXA248AKA*	EXX*48N****+TD1	46000	0.73	12	10.65	4319	1600
CXA248AKA*	EXX*60J****+MV16J22****	47000	0.73	13.3	11.7	4017	1655
CXA248AKA*	EXX*60J****+MV20N26****	47000	0.73	13.3	11.75	4000	1655
CXA248AKA*	EXX*60J****+TD1	47000	0.73	12.5	11	4273	1600
CXA248AKA*	EXX*60L****+MV16J22****	47000	0.73	13.3	11.7	4017	1655
CXA248AKA*	EXX*60L****+MV20N26****	47000	0.73	13.3	11.75	4000	1655
CXA248AKA*	EXX*60L****+TD1	47000	0.73	12.5	11	4273	1600
CXA248AKA*	EXX*60N****+MV16J22****	47000	0.73	13.3	11.65	4034	1645
CXA248AKA*	EXX*60N****+MV20N26****	47000	0.73	13.3	11.7	4017	1645
CXA248AKA*	EXX*60N****+TD1	47000	0.73	12.5	11	4273	1600
CXA260AKA*	EBV60****+R410A-TXV	57000	0.72	12.5	10.7	5327	1700
CXA260AKA*	EBX60****+R410A-TXV	57000	0.72	12	10.25	5561	1700
CXA260AKA*	EP*60J****+TD1	54000	0.72	11	10.05	5373	1700
CXA260AKA*	EP*60L****+TD1	54000	0.72	11	10.05	5373	1700
CXA260AKA*	EP*60N****+TD1	54000	0.72	11	10.05	5373	1700
CXA260AKA*	EXX*60J****+MV16J22****	57500	0.72	12.5	10.65	5399	1865
CXA260AKA*	EXX*60J****+MV20N26****	57500	0.72	12.5	10.75	5349	1835
CXA260AKA*	EXX*60J****+TD1	57500	0.72	12	10.45	5502	1700
CXA260AKA*	EXX*60L****+MV16J22****	57500	0.72	12.5	10.65	5399	1865
CXA260AKA*	EXX*60L****+MV20N26****	57500	0.72	12.5	10.75	5349	1835
CXA260AKA*	EXX*60L****+TD1	57500	0.72	12	10.45	5502	1700
CXA260AKA*	EXX*60N****+MV16J22****	57500	0.72	12.5	10.65	5399	1860
CXA260AKA*	EXX*60N****+MV20N26****	57500	0.72	12.5	10.75	5349	1830
CXA260AKA*	EXX*60N****+TD1	57500	0.72	12	10.45	5502	1700
CXA424AKA*	EBV24****+R410A-TXV	24400	0.72	15	13.25	1842	800
CXA424AKA*	EBV36****+R410A-TXV	24800	0.72	15	13.4	1851	800

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER * PRODUCT FAMILY * = Brand	XA	2	24	A	K	A SALES CODE ELECTRICAL K = 208/230-1-60 H = 208/230-3-60 CONNECTIONS A = Sweat / Valve
PRODUCT TYPE XA = Air Conditioning / R410-A						NOMINAL CAPACITY MBTUH 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000
NOMINAL SEER RATING 0 = 10 2 = 12 4 = 14						

EXTENDED REFRIGERANT LINE CORRECTION FACTORS

Varying Line Length in Feet (m) vs. Total Capacity Multiplier					
25 (8)	50 (15)	75 (23)	100 (30)	125 (38)	150 (46)
1.00	.99	.98	.96	.94	.92

REFRIGERANT CHARGE DATA

All models are factory charged with R410-A for outdoor unit, 25' (8m) of refrigerant line and matching indoor section.
 Refrigerant charge correction per foot (305mm) of line:
 1/4" O.D. = .25 oz.; 5/16" O.D. = .45 oz.; 3/8" O.D. = .60 oz.;
 1/2" O.D. = 1.2 oz.

VOLTAGE CORRECTION FACTORS

Volts	Capacity	Watts
208	.98	.99

INDOOR AIRFLOW CORRECTION TABLE

% Rated Air	90	95	100	105	110
Total Cap. Mult.	.98	.99	1.00	1.01	1.03
Sens Cap. Mult.	.95	.98	1.00	1.03	1.05

INDOOR TEMPERATURE CORRECTION TABLE (Based on 95°F Ambient)

Indoor D.B. °F (°C).	Correction Factor	Entering Indoor Wet Bulb °F (°C).						
		59 (15)	61 (16)	63 (17)	65 (18)	67 (19)	69 (20)	71 (21)
70 (21)	Total Cap. Mult.	.90	.93	.96	.99	1.02	-	-
	Sens Cap. Mult.	.86	.85	.82	.77	.70	-	-
75 (24)	Total Cap. Mult.	.89	.92	.95	.98	1.01	1.04	-
	Sens Cap. Mult.	1.04	1.03	1.00	.95	.88	.78	-
80 (26)	Total Cap. Mult.	.88	.91	.94	.97	1.00	1.03	1.06
	Sens Cap. Mult.	1.18	1.17	1.14	1.08	1.00	.89	.73
85 (29)	Total Cap. Mult.	-	.90	.93	.96	.99	1.02	1.05
	Sens Cap. Mult.	-	1.29	1.26	1.20	1.11	.98	.81

Bold Type = approximately 50% Relative Humidity