SmartComfort 2200

TEMPSTAR®
Heating and Cooling Products

12+ SEER - AIR CONDITIONER



Representative photo only, some models may vary in appearance.

1 1/2 THRU 5 TONS SPLIT SYSTEM

FEATURES

- "Durawhisper"™ Top design for quiet operation
- Rugged and coated inlet and discharge grilles for superior coil protection
- Filled with Service Friendly features
- High efficiency scroll compressors on all models
- Service valves on all models with 3-1/2" stubs
- External refrigerant connections
- Copper tube / aluminum fin coil
- Prepainted condenser fins
- 2 Speed Fan motor
- Fan motor in-line disconnect plug
- Factory charged with R-22, condenser plus 25 Ft. lines
- G-90 Galvanized steel cabinet with integral base rails
- Triple step paint process
- Easy side access sloped control panel
- 5 Year parts, 10 year compressor limited warranties
- 13+ SEER with Expansion Valve coils & Variable Speed Blowers or Furnaces

LIMITED PARTS 5 YEAR WARRANTY

MANUFACTURER CERTIFIED TO ARI AS COMPLYING WITH UNITARY AIR-CONDITIONING EQUIPMENT CERTIFICATION SECTIONS OF ARI STANDARD 210

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

c UL US LISTED

International Comfort Products Corporation (USA)
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

Printed in U.S.A.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO. 421 21 3301 02
Feb 2001

Base Specifications

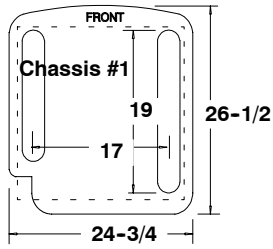
Model Number	TCA218AKA	TCA224AKA	TCA230AKA	TCA236AKA	TCA242AKA	TCA248AKA	TCA260AKA
Max. Cooling Capacity (Btuh)	18400	24800	30200	35600	42500	48500	59000
SEER Label	12	12	12	12	12	12	12
Sound Rating Decibels (Hi / Lo)	68 / 66	70 / 68	72 / 70	74 / 72	74 / 72	74 / 72	74 / 72
Fan HP / Type / Speeds	1/8-PSC-2	1/8-PSC-2	1/5-PSC-2	1/3-PSC-2	1/3-PSC-2	1/4-PSC-2	1/4-PSC-2
Fan RPM / Max. CFM	925-1075	925-1075	925-1075	925-1075	925-1075	700-840	700-840
Fan Max. CFM	1400	1400	2000	2800	2800	3400	3400
Coil Face Area (Sq Ft)	10.73	10.73	10.73	18.94	21.31	22.67	24.00
Coil Rows / Fins Per Inch	1 / 20	1 / 20	1 / 20	1 / 20	1 / 22	1 / 22	1 / 22
Line Connection Suction I.D. Size (In.)	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Line Connection Liquid I.D. Size (In.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Supplied Optional Evaporator Orifice Size	.051	.059	.066	.070	.079	.082	.090
Factory Charge - R22 (Oz)	71	79	80	113	125	148	182
Weight Lbs. (Ship)	133	135	137	187	200	252	272

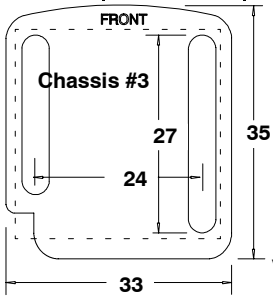
Electrical Specifications - 208 - 230 / 1 / 60, Voltage Range 197V - 253V

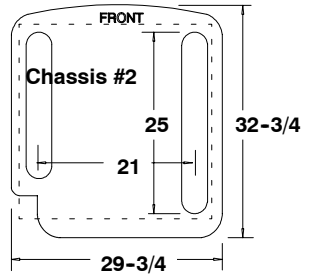
Minimum Circuit Ampacity	11.9	14.3	18.1	21.9	24.3	25.5	37.6
Wire SizeMax. Length (AWG Cu) Ft.	14 / 50	14 / 40	12 / 45	12 / 35	12 / 30	10 / 40	8 / 60
Time Delay Fuse (Amps)	15	20	25	30	30	35	45
Max. Fuse or HACR Breaker Size (Amps)	20	25	30	35	40	40	60
Compressor Full Run / Lock Rotor Amps	9.0 / 41	10.9 / 53	13.5 / 72.5	16.0 / 88	17.9 / 104	19.2 / 137	28.8 / 169
Fan Full Load / Lock Rotor Amps.	.66 / 1.55	.66 / 1.55	1.3 / 2.33	1.9 / 3.7	1.9 / 3.7	1.5 / 2.9	1.5 / 2.9

Dimensions		
Model	Chassis	Height (H)
218	1	30-1/8
224	1	30-1/8
230	1	30-1/8
236	2	38-1/8
242	2	42-1/8
248	3	40-1/8
260	3	42-1/8

ALL DIMENSIONS IN INCHES

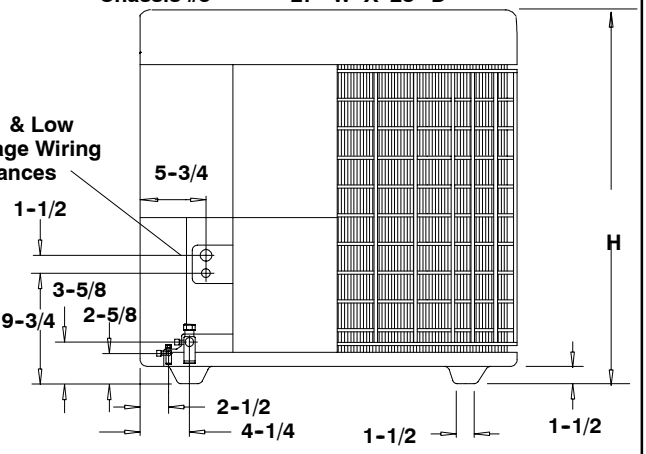






Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearances

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
AMF153TKB	Expansion Valve Kit	1 1/2 - 3 Ton
AMF355TKB	Expansion Valve Kit	3 1/2 - 5 Ton
AMA001TDA	Indoor Blower Time Delay	All Models
AMB001CMA	Mesh Grille Guard (Pkg of 6) Trim to Fit	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
1053477 *	Compressor Crankcase Heater Solid State "Stick On" Type	All Models
1148113 *	Compressor Crankcase Heater "Wrap-around" Type (6.5 to 8.5 inch Dia Compressors)**	**All Models
1061482 *	Compressor Crankcase Heater "Wrap-around" Type (4.2 to 6.7 inch Dia Compressors)**	**All Models
1060833*	Compressor Sound Jacket (Small Scroll)	1 1/2 - 3 Ton
1060834 *	Compressor Sound Jacket (Large Scroll)	3 1/2 - 5 Ton

* Order from Service Parts

Printed in U.S.A.

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PART NO. 421 21 3301 02
Feb 2001

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F						
		Btuh	SEER	S/T	EER	WATTS	CFM	Pin/TXV
TCA218AKA**	EX*24F****+VNK/NTVM050	18400	13.00	.73	12.2	1415	600	TXV
TCA218AKA**	EX*24F****+VNK/NTVM075	18400	13.00	.73	11.9	1415	600	TXV
TCA218AKA**	EAH5524**+TD1	18200	11.50	.74	10.8	1583	600	.051
TCA218AKA**	EX*24F****+EV(MV)12F19****	18000	13.00	.73	12.5	1385	600	TXV
TCA218AKA**	FCV36****	18000	13.00	.73	12.5	1385	600	TXV
TCA218AKA**	EX*24B****	18000	12.00	.72	11.2	1500	600	TXV
TCA218AKA**	EX*24F****	18000	12.00	.72	11.2	1500	600	TXV
TCA218AKA**	FCX24****	18000	12.00	.72	11.0	1500	600	TXV
TCA218AKA**	EP*30F****+TXV2+VNK/NTVM050	17800	12.70	.73	11.9	1402	600	TXV
TCA218AKA**	EP*30F****+TXV2+VNK/NTVM075	17800	12.50	.73	12.5	1424	600	TXV
TCA218AKA**	EP*30B****+TXV2	17800	11.50	.72	10.8	1548	600	TXV
TCA218AKA**	EP*30F****+TXV2	17800	11.50	.72	10.8	1548	600	TXV
TCA218AKA**	EP*30F****+TXV2+EV(MV)12F19****	17600	12.50	.73	11.8	1408	600	TXV
TCA218AKA**	EP*24B****+TXV+TD1	17600	12.00	.72	10.6	1467	600	TXV
TCA218AKA**	EP*24F****+TXV+TD1	17600	12.00	.72	10.6	1467	600	TXV
TCA218AKA**	EP*30B****+TD1	17600	11.20	.72	10.8	1571	600	.051
TCA218AKA**	EP*30F****+TD1	17600	11.20	.72	10.8	1571	600	.051
TCA218AKA**	EMH30F****	17600	11.00	.73	10.8	1600	600	.051
TCA218AKA**	EP*24B****+TD1	17600	11.00	.72	10.6	1600	600	.051
TCA218AKA**	EP*24B****+TXV2	17600	11.00	.72	10.6	1600	600	TXV
TCA218AKA**	EP*30B****	17600	11.00	.72	10.8	1600	600	.051
TCA218AKA**	EP*30F****	17600	11.00	.72	10.8	1600	600	.051
TCA218AKA**	EMH24F****	17600	10.80	.73	10.6	1630	600	.051
TCA218AKA**	EP*24B****	17600	10.80	.72	10.6	1630	600	.051
TCA218AKA**	FWM24	17500	11.50	.76	11.0	1591	600	.051
TCA218AKA**	FWM24 + TXV	17500	12.00	.76	11.0	1591	600	TXV
TCA218AKA**	EP*18B****+TXV2	17400	10.80	.73	10.2	1611	600	TXV
TCA218AKA**	EP*18B****+TD1	17400	10.60	.73	10.2	1642	600	.051
TCA218AKA**	EP*18B****	17400	10.50	.73	10.2	1657	600	.051
TCA224AKA**	EAH5524**+TXV2	24800	12.00	.75	10.8	2067	800	TXV
TCA224AKA**	EX*24F****+VNK/NTVM050	24200	13.20	.75	11.4	1833	600	TXV
TCA224AKA**	EX*24F****+VNK/NTVM075	24200	13.10	.75	11.2	1847	600	TXV
TCA224AKA**	EP*36F****+TXV2+EV(MV)12F19****	24000	13.10	.77	11.9	1832	800	TXV
TCA224AKA**	EP*36J****+TXV2+EV(MV)16J22****	24000	13.10	.77	11.9	1832	800	TXV
TCA224AKA**	EX*24F****+EV(MV)12F19****	24000	13.10	.75	11.9	1832	800	TXV
TCA224AKA**	FCV36****	24000	13.10	.75	11.9	1832	800	TXV
TCA224AKA**	EX*24B****+TD1	24000	12.10	.74	10.7	1983	800	TXV
TCA224AKA**	EX*24F****+TD1	24000	12.10	.74	10.7	1983	800	TXV
TCA224AKA**	EX*24B****	24000	12.00	.74	10.7	2000	800	TXV
TCA224AKA**	EX*24F****	24000	12.00	.74	10.7	2000	800	TXV
TCA224AKA**	FCX24****	24000	12.00	.74	10.5	2000	800	TXV
TCA224AKA**	EP*36J****+TXV2+VNK/NTVM100	23800	13.00	.77	11.5	1831	800	TXV
TCA224AKA**	EP*36F****+TXV2+VNK/NTVM050	23800	12.80	.77	11.4	1859	800	TXV
TCA224AKA**	EP*36F****+TXV2+VNK/NTVM075	23800	12.60	.77	11.2	1889	800	TXV
TCA224AKA**	EP*36B****+TXV2	23600	12.00	.76	10.7	1967	800	TXV
TCA224AKA**	EP*36F****+TXV2	23600	12.00	.76	10.7	1967	800	TXV
TCA224AKA**	EP*36J*****+TXV2	23600	12.00	.76	10.7	1967	800	TXV
TCA224AKA**	FWM30	23500	11.50	.76	10.4	2260	800	.059
TCA224AKA**	FWM30 + TXV	23500	12.00	.76	10.4	2260	800	TXV
TCA224AKA**	EP*36B****+TD1	23600	11.70	.76	10.7	2017	800	.059
TCA224AKA**	EP*36F****+TD1	23600	11.70	.76	10.7	2017	800	.059
TCA224AKA**	EP*36J****+TD1	23600	11.70	.76	10.7	2017	800	.059
TCA224AKA**	EMH36F****	23600	11.50	.76	10.7	2052	800	.059
TCA224AKA**	EP*36B****	23600	11.50	.76	10.7	2052	800	.059
TCA224AKA**	EP*36F****	23600	11.50	.76	10.7	2052	800	.059
TCA224AKA**	EP*36J****	23600	11.50	.76	10.7	2052	800	.059

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F Btuh	SEER	S/T	EER	WATTS	CFM	Pin/TXV
TCA224AKA**	EP*30F****+TXV2+EV(MV)12F19****	22800	13.10	.76	11.6	1740	800	TXV
TCA224AKA**	EP*30F****+TXV2+VNK/NTVM050	22600	12.40	.76	11.1	1823	800	TXV
TCA224AKA**	EP*30F****+TXV2+VNK/NTVM075	22600	12.20	.76	10.9	1852	800	TXV
TCA224AKA**	EP*30B****+TD1	22600	11.40	.75	10.3	1982	800	.059
TCA224AKA**	EP*30F****+TD1	22600	11.40	.75	10.3	1982	800	.059
TCA224AKA**	EMH30F****	22600	11.20	.75	10.3	2018	800	.059
TCA224AKA**	EP*30B****	22600	11.20	.75	10.3	2018	800	.059
TCA224AKA**	EP*30F****	22600	11.20	.75	10.3	2018	800	.059
TCA224AKA**	EP*24B****+TXV2	22400	11.60	.75	10.4	1931	800	TXV
TCA224AKA**	EP*30B****+TXV2	22400	11.60	.75	10.4	1931	800	TXV
TCA224AKA**	EP*30F****+TXV2	22400	11.60	.75	10.4	1931	800	TXV
TCA224AKA**	EP*24B****+TD1	22400	11.50	.75	10.4	1948	800	.059
TCA224AKA**	EMH24F****	22400	11.30	.75	10.4	1982	800	.059
TCA224AKA**	EP*24B****	22400	11.30	.75	10.4	1982	800	.059
TCA230AKA**	EX*36F****+VNK/NTVM050	30200	12.80	.74	11.1	2359	1000	TXV
TCA230AKA**	EX*36J****+VNK/NTVM100	30200	12.80	.74	11.2	2359	1000	TXV
TCA230AKA**	EX*36F****+EV(MV)12F19****	30000	13.10	.74	11.5	2290	1000	TXV
TCA230AKA**	EX*36J****+EV(MV)16J22****	30000	13.10	.74	11.5	2290	1000	TXV
TCA230AKA**	FCV36****	30000	13.10	.74	11.5	2290	1000	TXV
TCA230AKA**	EP*36F****+TXV3+EV(MV)12F19****	30000	12.70	.74	11.0	2362	1000	TXV
TCA230AKA**	EX*36F****+VNK/NTVM075	30000	12.60	.74	10.9	2381	1000	TXV
TCA230AKA**	EX*36F****+TD1	30000	12.10	.73	10.6	2479	1000	TXV
TCA230AKA**	EX*36J****+TD1	30000	12.10	.73	10.6	2479	1000	TXV
TCA230AKA**	EX*36J****+TXV3+VNK/NTVM100	30000	12.10	.74	10.6	2479	1000	TXV
TCA230AKA**	EX*36F****	30000	12.00	.73	10.6	2500	1000	TXV
TCA230AKA**	EX*36J****	30000	12.00	.73	10.6	2500	1000	TXV
TCA230AKA**	EAH5536**+TD1	30000	11.60	.74	10.6	2586	1000	.066
TCA230AKA**	EP*36B****+TD1	30000	11.00	.73	10.1	2727	1000	.066
TCA230AKA**	EP*36F****+TD1	30000	11.00	.73	10.1	2727	1000	.066
TCA230AKA**	EP*36J****+TD1	30000	11.00	.73	10.1	2727	1000	.066
TCA230AKA**	EMH36F****	30000	10.80	.73	10.1	2778	1000	.066
TCA230AKA**	EP*36B****	30000	10.80	.73	10.1	2778	1000	.066
TCA230AKA**	EP*36F****	30000	10.80	.73	10.1	2778	1000	.066
TCA230AKA**	EP*36J****	30000	10.80	.73	10.1	2778	1000	.066
TCA230AKA**	EP*36J****+TXV3+EV(MV)16J22****	29800	12.70	.74	11.0	2346	1000	TXV
TCA230AKA**	EP*36F****+TXV3+VNK/NTVM050	29800	12.00	.74	10.5	2483	1000	TXV
TCA230AKA**	EP*36F****+TXV3+VNK/NTVM075	29800	11.70	.74	10.5	2547	1000	TXV
TCA230AKA**	EP*36B****+TXV3	29800	11.20	.73	10.1	2661	1000	TXV
TCA230AKA**	EP*36F****+TXV3	29800	11.20	.73	10.1	2661	1000	TXV
TCA230AKA**	EP*36J****+TXV3	29800	11.20	.73	10.1	2661	1000	TXV
TCA230AKA**	EP*42F****+TXV3+VNK/NTVM050	29600	12.70	.74	10.9	2331	1000	TXV
TCA230AKA**	EP*42J****+TXV3+VNK/NTVM100	29600	12.70	.74	10.9	2331	1000	TXV
TCA230AKA**	EP*42F****+TXV3+VNK/NTVM075	29600	12.50	.74	10.1	2368	1000	TXV
TCA230AKA**	FCX36****	29600	12.00	.73	10.5	2467	1000	TXV
TCA230AKA**	EP*42F****+TXV3	29600	11.80	.74	10.5	2508	1000	TXV
TCA230AKA**	EP*42J****+TXV3	29600	11.80	.74	10.5	2508	1000	TXV
TCA230AKA**	EP*42F****+TD1	29600	11.60	.74	10.5	2552	1000	.066
TCA230AKA**	EP*42J****+TD1	29600	11.60	.74	10.5	2552	1000	.066
TCA230AKA**	EP*42F****	29600	11.40	.74	10.5	2596	1000	.066
TCA230AKA**	EP*42J****	29600	11.40	.74	10.5	2596	1000	.066
TCA230AKA**	EP*30B****+TXV3	28800	11.00	.72	9.8	2618	1000	TXV
TCA230AKA**	EP*30F****+TXV3	28800	11.00	.72	9.8	2618	1000	TXV
TCA230AKA**	EP*30B****+TD1	28800	10.70	.72	9.8	2692	1000	.065
TCA230AKA**	EP*30F****+TD1	28800	10.70	.72	9.8	2692	1000	.065
TCA230AKA**	EMH30F****	28800	10.50	.72	9.8	2743	1000	.065
TCA230AKA**	EP*30B****	28800	10.50	.72	9.8	2743	1000	.065
TCA230AKA**	EP*30F****	28800	10.50	.72	9.8	2743	1000	.065
TCA230AKA**	EP*30F****+TXV3+VNK/NTVM050	28600	11.70	.72	10.2	2444	1000	TXV
TCA230AKA**	EP*30F****+TXV3+VNK/NTVM075	28600	11.40	.72	10.1	2509	1000	TXV

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F						
		Btuh	SEER	S/T	EER	WATTS	CFM	Pin/TXV
TCA236AKA**	EP*42J****+TXV3+EV(MV)16J22****	35600	13.00	.76	11.7	2738	1200	TXV
TCA236AKA**	EP*48J****+TXV3+EV(MV)16J22****	35600	13.00	.74	11.7	2738	1200	TXV
TCA236AKA**	EP*48N****+TXV3+VNK/NTVM125	35600	13.00	.74	11.3	2738	1200	TXV
TCA236AKA**	EP*48J****+TXV3+VNK/NTVM100	35600	12.60	.74	11.1	2825	1200	TXV
TCA236AKA**	EP*48F****+TXV3+VNK/NTVM050	35600	12.30	.74	10.8	2894	1200	TXV
TCA236AKA**	EP*48F****+TXV3	35600	12.00	.73	10.7	2967	1200	TXV
TCA236AKA**	EP*48J****+TXV3	35600	12.00	.73	10.7	2967	1200	TXV
TCA236AKA**	EP*48N****+TXV3	35600	12.00	.73	10.7	2967	1200	TXV
TCA236AKA**	EP*48F****+TD1	35600	11.80	.73	10.7	3017	1200	.070
TCA236AKA**	EP*48J****+TD1	35600	11.80	.73	10.7	3017	1200	.070
TCA236AKA**	EP*48N****+TD1	35600	11.80	.73	10.7	3017	1200	.070
TCA236AKA**	EMH48F****	35600	11.50	.73	10.7	3096	1200	.070
TCA236AKA**	EP*48F****	35600	11.50	.73	10.7	3096	1200	.070
TCA236AKA**	EP*48J****	35600	11.50	.73	10.7	3096	1200	.070
TCA236AKA**	EP*48N****	35600	11.50	.73	10.7	3096	1200	.070
TCA236AKA**	EP*36J****+VNK/NTVM100	35400	12.60	.74	11.0	2810	1200	.070
TCA236AKA**	EP*42J****+TXV3+VNK/NTVM100	35400	12.50	.76	11.1	2832	1200	TXV
TCA236AKA**	EX*36F****+EV(MV)12F19****	35200	13.00	.74	11.1	2708	1200	TXV
TCA236AKA**	EX*36J****+EV(MV)16J22****	35200	13.00	.74	11.1	2708	1200	TXV
TCA236AKA**	EP*42F****+TXV3+VNK/NTVM050	35200	12.20	.76	10.8	2885	1200	TXV
TCA236AKA**	EX*36F****+TD1	35200	12.10	.73	10.6	2909	1200	TXV
TCA236AKA**	EX*36J****+TD1	35200	12.10	.73	10.6	2909	1200	TXV
TCA236AKA**	EAH5536**+TD1	35200	12.00	.75	11.0	2933	1200	.070
TCA236AKA**	EP*42F****+TXV3	35200	12.00	.75	10.7	2933	1200	TXV
TCA236AKA**	EP*42J****+TXV3	35200	12.00	.75	10.7	2933	1200	TXV
TCA236AKA**	EX*36F****	35200	12.00	.73	10.6	2933	1200	TXV
TCA236AKA**	EX*36J****	35200	12.00	.73	10.6	2933	1200	TXV
TCA236AKA**	FCX36****	35200	12.00	.73	10.5	2933	1200	TXV
TCA236AKA**	EP*42F****+TD1	35200	11.70	.75	10.7	3009	1200	.070
TCA236AKA**	EP*42J****+TD1	35200	11.70	.75	10.7	3009	1200	.070
TCA236AKA**	EMH42F****	35200	11.40	.75	10.7	3088	1200	.070
TCA236AKA**	EP*42F****	35200	11.40	.75	10.7	3088	1200	.070
TCA236AKA**	EP*42J****	35200	11.40	.75	10.7	3088	1200	.070
TCA236AKA**	EP*36F****+TXV3+EV(MV)12F19****	33600	12.10	.74	10.6	2777	1200	TXV
TCA236AKA**	EP*36J****+TXV3+EV(MV)16J22****	33600	12.10	.74	10.6	2777	1200	TXV
TCA236AKA**	EP*36J****+TXV3+VNK/NTVM100	33600	12.10	.74	10.5	2777	1200	TXV
TCA236AKA**	EP*36F****+TXV3+VNK/NTVM050	33400	11.50	.74	10.2	2904	1200	TXV
TCA236AKA**	EP*36B****+TXV3	33400	11.20	.73	10.1	2982	1200	TXV
TCA236AKA**	EP*36F****+TXV3	33400	11.20	.73	10.1	2982	1200	TXV
TCA236AKA**	EP*36J****+TXV3	33400	11.20	.73	10.1	2982	1200	TXV
TCA236AKA**	EP*36B****+TD1	33400	11.10	.73	10.1	3009	1200	.070
TCA236AKA**	EP*36F****+TD1	33400	11.10	.73	10.1	3009	1200	.070
TCA236AKA**	EP*36J****+TD1	33400	11.10	.73	10.1	3009	1200	.070
TCA236AKA**	EMH36F****	33400	11.00	.73	10.1	3036	1200	.070
TCA236AKA**	EP*36B****	33400	11.00	.73	10.1	3036	1200	.070
TCA236AKA**	EP*36F****	33400	11.00	.73	10.1	3036	1200	.070
TCA236AKA**	EP*36J****	33400	11.00	.73	10.1	3036	1200	.070
TCA242AKA**	EP*48J****+TD1	42500	12.00	.73	10.9	3542	1400	.079
TCA242AKA**	EP*48N****+TD1	42500	12.00	.73	10.9	3542	1400	.079
TCA242AKA**	EP*48J****	42500	11.70	.73	10.9	3632	1400	.079
TCA242AKA**	EP*48N****	42500	11.70	.73	10.9	3632	1400	.079
TCA242AKA**	EP*48J****+TXV4+EV(MV)16J22****	42000	13.10	.74	11.3	3206	1400	TXV
TCA242AKA**	EX*42J****+EV(MV)16J22****	41500	13.10	.73	11.2	3168	1400	TXV
TCA242AKA**	FCV48****	41500	13.10	.73	11.2	3168	1400	TXV
TCA242AKA**	EP*48N****+TXV4+VNK/NTVM125	41500	13.00	.74	11.1	3192	1400	TXV
TCA242AKA**	EX*42J****+VNK/NTVM100	41500	12.30	.73	10.6	3374	1400	TXV

Many matches require a pin change. Always check pin size to insure maximum performance. PIN=Refrigerant orifice PIN size. TD1=AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. All products using an electronic fan control satisfy TD1 requirements. TXV=Thermostatic Expansion Valve, TXV153 (AMF153) replaces HTXV1,2 or 3 where listed in ratings, TXV335 (AMF335) Replaces HTXV4 or 5 where listed in ratings. EP* = EPA, EPD, EPM series of coils. EX* = EXA, EXD, EXM series of coils. EE* = EEA OR EED series of coils.

PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Cooling 95 F Btuh	SEER	S/T	EER	WATTS	CFM	Pin/TXV
TCA242AKA**	EP*48J****+TXV4	41500	12.20	.73	10.7	3402	1400	TXV
TCA242AKA**	EP*48N****+TXV4	41500	12.20	.73	10.7	3402	1400	TXV
TCA242AKA**	EAH5548**+TD1	41500	12.00	.75	11.1	3458	1400	.079
TCA242AKA**	EP*48F****+TXV4	41500	12.00	.73	10.7	3458	1300	TXV
TCA242AKA**	EX*42J****	41500	12.00	.73	10.6	3458	1400	TXV
TCA242AKA**	EX*48N****	41500	12.00	.73	10.5	3458	1400	TXV
TCA242AKA**	FCX48****	41500	12.00	.73	10.5	3458	1400	TXV
TCA242AKA**	EP*48F****+TD1	41500	11.90	.73	10.8	3487	1300	.079
TCA242AKA**	EMH48F****	41500	11.60	.73	10.8	3578	1300	.079
TCA242AKA**	EP*48F****	41500	11.60	.73	10.8	3578	1300	.079
TCA242AKA**	EAH5548**+TXV4+TD1	41000	12.00	.75	10.5	3417	1400	TXV
TCA242AKA**	EP*42F****+TD1	40500	11.80	.73	10.7	3432	1225	.078
TCA242AKA**	EP*42J****+TD1	40500	11.80	.73	10.7	3432	1225	.078
TCA242AKA**	EMH42F****	40500	11.50	.73	10.7	3522	1225	.078
TCA242AKA**	EP*42F****	40500	11.50	.73	10.7	3522	1225	.078
TCA242AKA**	EP*42J****	40500	11.50	.73	10.7	3522	1225	.078
TCA242AKA**	EP*42J****+TXV4+TD1+EV(MV)16J22**	40000	13.00	.74	11.2	3077	1225	TXV
TCA242AKA**	EP*42J****+TXV4+VNK/NTVM100	40000	12.20	.74	10.6	3279	1400	TXV
TCA242AKA**	EP*42F****+TXV4+TD1	40000	12.00	.73	10.5	3333	1225	TXV
TCA242AKA**	EP*42J****+TXV4+TD1	40000	12.00	.73	10.5	3333	1225	TXV
TCA242AKA**	EP*48J****+TXV4+VNK/NTVM100	39000	13.00	.74	11.8	3000	1225	TXV
TCA248AKA**	EX*48N****+EV(MV)20N26****	48500	13.00	.74	11.0	3731	1600	TXV
TCA248AKA**	FCV48****	48500	13.00	.73	11.0	3731	1600	TXV
TCA248AKA**	EX*48N****+VNK/NTVM125	48500	12.50	.73	10.8	3880	1600	TXV
TCA248AKA**	EX*48N****	48000	12.00	.73	10.6	4000	1600	TXV
TCA248AKA**	FCX48****	48000	12.00	.73	10.5	4000	1600	TXV
TCA248AKA**	EP*60J****+TD1	48000	11.70	.71	10.4	4103	1600	.082
TCA248AKA**	EP*60N****+TD1	48000	11.70	.71	10.4	4103	1600	.082
TCA248AKA**	EP*60J****	48000	11.50	.71	10.4	4174	1600	.082
TCA248AKA**	EP*60N****	48000	11.50	.71	10.4	4174	1600	.082
TCA248AKA**	EP*60N****+TXV4+VNK/NTVM125	47500	12.30	.72	10.6	3862	1600	TXV
TCA248AKA**	EAH5548**+TXV4	47500	12.00	.74	10.9	3958	1600	TXV
TCA248AKA**	EP*60J****+TXV4	47500	12.00	.71	10.4	3958	1600	TXV
TCA248AKA**	EP*60N****+TXV4	47500	12.00	.71	10.4	3958	1600	TXV
TCA248AKA**	EAH5560**+TXV4+TD1	47000	12.00	.76	10.3	3917	1600	TXV
TCA248AKA**	EP*48J****+TD1	47000	11.60	.71	10.3	4052	1600	.082
TCA248AKA**	EP*48N****+TD1	47000	11.60	.71	10.3	4052	1600	.082
TCA248AKA**	EP*48J****	47000	11.40	.71	10.3	4123	1600	.082
TCA248AKA**	EP*48N****	47000	11.40	.71	10.3	4123	1600	.082
TCA248AKA**	EP*48J****+TXV4+EV(MV)16J22****	46500	12.40	.72	10.7	3750	1600	TXV
TCA248AKA**	EP*48N****+TXV4+VNK/NTVM125	46500	12.20	.72	10.5	3811	1600	TXV
TCA248AKA**	EP*48J****+TXV4	46500	11.80	.71	10.3	3941	1600	TXV
TCA248AKA**	EP*48N****+TXV4	46500	11.80	.71	10.3	3941	1600	TXV
TCA248AKA**	EP*48F****+TD1	46000	11.60	.71	10.4	3966	1300	.082
TCA248AKA**	EMH48F****	46000	11.30	.71	10.4	4071	1300	.082
TCA248AKA**	EP*48F****	46000	11.30	.71	10.4	4071	1300	.082
TCA248AKA**	EP*48F****+TXV4	45000	11.80	.71	10.4	3814	1300	TXV
TCA260AKA**	EAH5560**+TXV5	59000	12.00	.72	11.0	4917	1800	TXV
TCA260AKA**	EX*60N****+EV(MV)20N26****	58500	12.30	.69	10.7	4756	1800	TXV
TCA260AKA**	FCV60****	58500	12.30	.69	10.7	4756	1800	TXV
TCA260AKA**	EX*60N****	58500	12.00	.70	10.5	4875	1800	TXV
TCA260AKA**	FCX60****	58500	11.60	.72	10.5	5043	1800	TXV
TCA260AKA**	EP*60N****+TD1	57500	11.50	.69	10.2	5000	1800	.090
TCA260AKA**	EP*60N****	57500	11.30	.69	10.2	5088	1800	.090
TCA260AKA**	EAH5560**+TXV5+TD1	57000	11.90	.72	10.1	4790	1900	TXV
TCA260AKA**	EP*60N****+TXV5+EV(MV)20N26****	56500	12.00	.70	10.3	4708	1800	TXV
TCA260AKA**	EP*60N****+TXV5	56500	11.70	.69	10.1	4829	1800	TXV
TCA260AKA**	EP*60J****+TD1	56500	11.50	.69	10.2	4913	1625	.090
TCA260AKA**	EP*60J****	56500	11.40	.69	10.2	4956	1625	.090
TCA260AKA**	EP*60J****+TXV5	55500	11.70	.69	10.1	4744	1625	TXV

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MODEL NUMBER IDENTIFICAION GUIDE

MODEL NUMBER	T	CA	2	24	A	K	A

PRODUCT FAMILY

* = Brand

PRODUCT TYPE

AC = Air Conditioning CA = Condenser A/C

HP = Heat Pump CH = Condenser H/P

NOMINAL SEER RATING

0 = 10 2 = 12 4 = 14

NOMINAL CAPACITY MBTUH

18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000

42 = 42,000 48 = 48,000 60 = 60,000

CONNECTIONS

A = Sweat / Valve

ELECTRICAL

K = 208/230-1-60

H = 208/230-3-60

SALES CODE

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 R-22 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