

# SmartComfort 2000

# TEMPSTAR®

Heating and Cooling Products

## 10+ SEER - AIR CONDITIONER



Representative photo only, some models may vary in appearance.



Rated in accordance with ARI Standard 240. Certification applies only when used with proper components as listed with ARI.



## 1 1/2 THRU 5 TONS SPLIT SYSTEM

### FEATURES

- Durawhisper top
- 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
- 2 Speed Fan motor
- Factory charged with R-22, condenser plus 25 Ft. lines
- Can be installed as close as 6" to the home
- 5 Year parts, 10 Year compressor limited warranties

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 421 21 3202 00 Dec. 2003

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## Base Specifications

Model Number	TCA018AKC	TCA024AKC	TCA030AKC	TCA036AKC	TCA042AKC	TCA048AKC	TCA060AKC
Max. Cooling Capacity (Btuh)	17800	23600	28600	35200	41000	47000	56500
SEER Label	10	10	10	10	10	10	10
Sound Rating Decibels	70 / 68	72 / 70	74 / 72	74 / 72	74 / 72	76 / 74	76 / 74
Fan HP / Type / Speeds	1/8-PSC-2	1/5-PSC-2	1/5-PSC-2	1/5-PSC-2	1/5-PSC-2	1/3-PSC-2	1/3-PSC-2
Fan RPM / Max. CFM	1075 / 1400	1075 / 1400	1075 / 2000	1075 / 2000	1075 / 2000	1075 / 3000	1075 / 3000
Coil Face Area (Sq Ft)	10.7	10.7	11.6	11.6	12.5	16.7	16.7
Coil Rows / Fins Per Inch	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24
Line Connection Suction I.D. Size (In.)	3/4	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	3/8
Supplied Optional Evaporator Orifice Size	.051	.057	.065	.073	.078	.079	.090
Factory Charge - R22 (Oz)	64	67	73	96	98	122	126
Compressor	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Weight Lbs. (Ship)	130	132	134	139	170	197	207

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

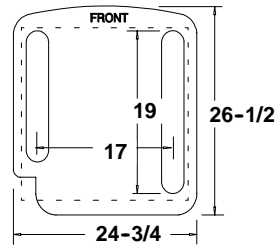
Minimum Circuit Ampacity	12.8	16.2	19.8	21.4	24.6	28.6	35.2
Wire Size/Max. Length (AWG Cu) Ft.	14 / 58	14 / 47	14 / 37	12 / 57	12 / 48	10 / 66	8 / 82
Time Delay Fuse (Amps)	15	20	25	30	30	40	50
Max. Fuse or HACR Breaker Size (Amps)	20	25	30	30	40	45	50
Compressor Full Run / Lock Rotor Amps	9.6 / 47	11.9 / 59	14.7 / 84	16.0 / 100	18.6 / 127	21.8 / 131	27.1 / 144
Fan Full Load / Lock Rotor Amps.	.66 / 1.55	1.3 / 2.36	1.3 / 2.36	1.4 / 3.00	1.4 / 3.00	1.9 / 3.7	1.9 / 3.7

Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearance of 6".

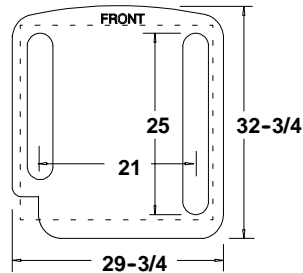
Chassis #1 20" W X 20" D  
Chassis #2 24" W X 26" D

Dimensions		
Model	Chassis	Height (H)
018	1	30-1/2
024	1	30-1/2
030	1	32-1/2
036	1	32-1/2
042	1	34-1/2
048	2	34-1/2
060	2	34-1/2

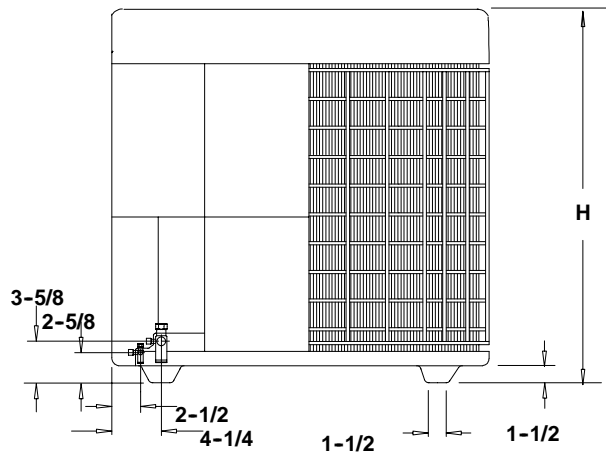
Chassis #1



Chassis #2



ALL DIMENSIONS IN INCHES



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

# PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Rating A Cooling Capacity(MBtuh)	SEER Rating (Btuh/watt)	Rating A EER Rating (Btuh/watt)	Outdoor Coil Air Quantity (SCFM)	Indoor Coil Air Quantity (SCFM)
TCA018AKC*	EP*18B****+TD1	17800	10	9.6	1750	600
TCA018AKC*	EMH24F****+TD1	18000	10.5	10	1750	600
TCA018AKC*	EMH30F****+TD1	18500	10.5	10.1	1750	600
TCA018AKC*	EP*24B****+TD1	18500	10.3	10	1750	600
TCA018AKC*	EP*30B****+TD1	18500	10.5	10.1	1750	600
TCA018AKC*	EP*30B****+NTV6050+TXV	19000	11.5	11	1750	685
TCA018AKC*	EP*30B****+NTV6075+TXV	19000	11.5	11.15	1750	625
TCA018AKC*	EP*30B****+9MPV050+TXV	19000	11	10.7	1750	695
TCA018AKC*	EP*30B****+9MPV075+TXV	19000	11	10.8	1750	710
TCA018AKC*	EP*30F****+TD1	18500	10.5	10.1	1750	600
TCA018AKC*	EPP024****+TD1	17200	10	9.45	1750	600
TCA018AKC*	EX*24B****+TD1	19000	11	10.55	1750	600
TCA018AKC*	EX*24B****+MV08B15****	19500	12	11.7	1750	665
TCA018AKC*	EX*24F****+TD1	19000	11	10.55	1750	600
TCA018AKC*	EX*24F****+8MPV050	19500	12	11.2	1750	730
TCA018AKC*	EX*24F****+9MPV050	19500	12	11.25	1750	680
TCA018AKC*	EX*24F****+9MPV075	19500	12	11.4	1750	695
TCA018AKC*	EBP18****	18500	10.5	10.1	1750	600
TCA018AKC*	EBP24****	19000	11	10.4	1750	600
TCA018AKC*	FWM18****	18000	11	10.35	1750	600
TCA018AKC*	FWM24****	18500	11	10.3	1750	600
TCA018AKC*	EBV24****	19000	12	11.85	1750	600
TCA018AKC*	EBX18****	19000	11	10.65	1750	600
TCA018AKC*	EBX24****	19500	11	10.75	1750	600
TCA018AKC*	EP*18B****+TD1+TXV	17500	10.5	9.6	1750	600
TCA018AKC*	EP*24B****+TD1+TXV	18500	10.5	10.05	1750	600
TCA018AKC*	EP*30B****+TD1+TXV	18500	11	10.25	1750	600
TCA018AKC*	EP*30F****+TD1+TXV	18500	11	10.25	1750	600
TCA018AKC*	EPP024****+TD1+TXV	17500	10	9.45	1750	600
TCA024AKC*	EP*24B****+TD1	23600	10	9.2	1750	800
TCA024AKC*	EMH24F****+TD1	23600	10	9.2	1750	800
TCA024AKC*	EMH30F****+TD1	24000	10	9.35	1750	800
TCA024AKC*	EP*30B****+TD1	24000	10	9.35	1750	800
TCA024AKC*	EP*30F****+TD1	24000	10	9.35	1750	800
TCA024AKC*	EP*30F****+8MPV050+TXV	24400	10.5	9.9	1750	810
TCA024AKC*	EP*30F****+8MPV075+TXV	24800	11	9.9	1750	920
TCA024AKC*	EP*30F****+8MPV100+TXV	25000	11	10.15	1750	900
TCA024AKC*	EP*30F****+9MPV050+TXV	24400	10.5	9.8	1750	820
TCA024AKC*	EP*30F****+9MPV075+TXV	24400	11	10	1750	815
TCA024AKC*	EP*30F****+9MPV100+TXV	24800	11	10.15	1750	900
TCA024AKC*	EP*30F****+MV08B15****+TXV	24600	11	10.25	1750	840
TCA024AKC*	EP*30F****+MV12F19****+TXV	24400	11	10.3	1750	790
TCA024AKC*	EP*36J****+8MPV075+TXV	25800	11.3	10.45	1750	950
TCA024AKC*	EP*36J****+8MPV100+TXV	26000	11.3	10.55	1750	975
TCA024AKC*	EP*36J****+8MPV125+TXV	26000	11.3	10.5	1750	975
TCA024AKC*	EP*36J****+9MPV050+TXV	25200	11	10.15	1750	830
TCA024AKC*	EP*36J****+9MPV075+TXV	25400	11	10.35	1750	830
TCA024AKC*	EP*36J****+9MPV100+TXV	25800	11.3	10.5	1750	920
TCA024AKC*	EP*36J****+MV12F19****+TXV	25400	11.3	10.65	1750	800
TCA024AKC*	EP*36J****+MV16J22****+TXV	25800	11.3	10.75	1750	885
TCA024AKC*	EPP030****+TD1	23200	10	9.1	1750	800
TCA024AKC*	EPP036****+TD1	23600	10	9.25	1750	800
TCA024AKC*	EX*24B****+TD1	25200	10.5	9.75	1750	800
TCA024AKC*	EX*24B****+MV08B15****	25600	11.5	10.6	1750	795
TCA024AKC*	EX*24F****+TD1	25200	10.5	9.75	1750	800
TCA024AKC*	EX*24F****+NTV6050	25600	11.2	10.45	1750	820
TCA024AKC*	EX*24F****+NTV6075	25600	11.3	10.5	1750	800
TCA024AKC*	EX*24F****+8MPV050	25600	11	10.15	1750	815
TCA024AKC*	EX*24F****+8MPV075	25800	11.2	10.4	1750	875

Many matches require a pin change. Always check pin size to insure maximum performance. 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.

# PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Rating A Cooling Capacity(MBtuh)	SEER Rating (Btuh/watt)	Rating A EER Rating (Btuh/watt)	Outdoor Coil Air Quantity (SCFM)	Indoor Coil Air Quantity (SCFM)
TCA024AKC*	EX*24F****+*8MPV100	26000	11.3	10.55	1750	885
TCA024AKC*	EX*24F****+*9MPV050	25600	11	10	1750	855
TCA024AKC*	EX*24F****+*9MPV075	25800	11	10.2	1750	860
TCA024AKC*	EX*24F****+*9MPV100	25800	11.2	10.45	1750	835
TCA024AKC*	EX*24F****+MV12F19****	25800	11.3	10.65	1750	810
TCA024AKC*	EX*24F****+MV16J22****	25800	11.5	10.7	1750	810
TCA024AKC*	EX*36B****+TD1	26000	11	10	1750	800
TCA024AKC*	EX*36F****+TD1	26000	11	10	1750	800
TCA024AKC*	EX*36F****+*8MPV100	27000	11.5	10.9	1750	955
TCA024AKC*	EX*36F****+*8MPV125	27000	11.5	10.85	1750	960
TCA024AKC*	EX*36F****+*9MPV100	26800	11.5	10.75	1750	950
TCA024AKC*	EX*36F****+MV12F19****	26800	12	10.95	1750	920
TCA024AKC*	EX*36J****+TD1	26000	11	10	1750	800
TCA024AKC*	EBP24****	25000	10.3	9.65	1750	800
TCA024AKC*	EBP30****	25400	10.3	9.8	1750	800
TCA024AKC*	FWM24****	24800	10	9.5	1750	800
TCA024AKC*	FWM30****	25400	10.3	9.65	1750	800
TCA024AKC*	EBV24****	26200	11.3	10.65	1750	800
TCA024AKC*	EBX24****	25400	10.5	9.9	1750	800
TCA024AKC*	EMH24F****+TD1+TXV	23600	10	9.2	1750	800
TCA024AKC*	EMH30F****+TD1+TXV	24000	10	9.35	1750	800
TCA024AKC*	EP*24B****+TD1+TXV	23600	10	9.2	1750	800
TCA024AKC*	EP*30B****+TD1+TXV	24000	10	9.35	1750	800
TCA024AKC*	EP*30F****+TD1+TXV	24000	10	9.35	1750	800
TCA024AKC*	EP*30F****+NTV6050+TXV	24600	11	10.1	1750	860
TCA024AKC*	EP*30F****+NTV6075+TXV	24600	11	10.2	1750	850
TCA024AKC*	EPP030****+TD1+TXV	23200	10	9.05	1750	800
TCA024AKC*	EPP036****+TD1+TXV	23600	10	9.25	1750	800
TCA030AKC*	EP*30B****+TD1	28600	10	8.8	2000	1000
TCA030AKC*	EMH30F****+TD1	28400	10	8.8	2000	1000
TCA030AKC*	EMH36F****+TD1	29600	10	9	2000	1000
TCA030AKC*	EP*30F****+TD1	28400	10	8.8	2000	1000
TCA030AKC*	EP*30F****+NTV6050+TXV	28600	10.5	9.25	2000	970
TCA030AKC*	EP*30F****+NTV6075+TXV	28800	10.5	9.35	2000	995
TCA030AKC*	EP*30F****+*8MPV050+TXV	28600	10	8.85	2000	1035
TCA030AKC*	EP*30F****+*8MPV075+TXV	29000	10.5	9.25	2000	1060
TCA030AKC*	EP*30F****+*9MPV050+TXV	28400	10	8.75	2000	1025
TCA030AKC*	EP*30F****+*9MPV075+TXV	28800	10	9.05	2000	1050
TCA030AKC*	EP*30F****+MV08B15****+TXV	28800	10.5	9.4	2000	990
TCA030AKC*	EP*30F****+MV12F19****+TXV	29000	10.5	9.5	2000	1025
TCA030AKC*	EP*36B****+TD1	29600	10	9	2000	1000
TCA030AKC*	EP*36F****+TD1	29600	10	9	2000	1000
TCA030AKC*	EP*36J****+TD1	29600	10	9	2000	1000
TCA030AKC*	EP*36J****+NTV6075+TXV	29800	10.5	9.65	2000	1005
TCA030AKC*	EP*36J****+NTV6100+TXV	30200	11	9.8	2000	1050
TCA030AKC*	EP*36J****+NTV6125+TXV	30000	11	9.85	2000	1020
TCA030AKC*	EP*36J****+*8MPV075+TXV	30000	10.5	9.55	2000	1075
TCA030AKC*	EP*36J****+*8MPV100+TXV	30200	11	9.7	2000	1085
TCA030AKC*	EP*36J****+*8MPV125+TXV	30200	11	9.65	2000	1090
TCA030AKC*	EP*36J****+*9MPV050+TXV	29600	10	9.05	2000	1035
TCA030AKC*	EP*36J****+*9MPV075+TXV	29800	10.5	9.35	2000	1065
TCA030AKC*	EP*36J****+*9MPV100+TXV	30200	10.5	9.6	2000	1085
TCA030AKC*	EP*36J****+*9MPV125+TXV	30000	10.5	9.55	2000	1070
TCA030AKC*	EP*36J****+MV12F19****+TXV	30200	11	9.8	2000	1040
TCA030AKC*	EP*36J****+MV16J22****+TXV	30000	11	9.9	2000	1005
TCA030AKC*	EX*36B****+TD1	30600	10.5	9.4	2000	1000
TCA030AKC*	EX*36F****+TD1	30600	10.5	9.4	2000	1000
TCA030AKC*	EX*36F****+NTV6050	30600	11	9.85	2000	965
TCA030AKC*	EX*36F****+NTV6075	30600	11	9.95	2000	985
TCA030AKC*	EX*36F****+*8MPV050	31000	10.5	9.45	2000	1030

Many matches require a pin change. Always check pin size to insure maximum performance. 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	Rating A Cooling Capacity(MBtuh)	SEER Rating (Btuh/watt)	Rating A EER Rating (Btuh/watt)	Outdoor Coil Air Quantity (SCFM)	Indoor Coil Air Quantity (SCFM)
TCA030AKC*	EX*36F****+*8MPV075	31000	11	9.85	2000	1050
TCA030AKC*	EX*36F****+*9MPV050	31000	10.3	9.35	2000	1020
TCA030AKC*	EX*36F****+*9MPV075	31000	10.5	9.65	2000	1040
TCA030AKC*	EX*36F****+MV12F19****	31000	11	10.1	2000	1015
TCA030AKC*	EX*36J****+TD1	31000	10.5	9.4	2000	1000
TCA030AKC*	EX*36J****+NTV6100	31000	11	10.2	2000	1055
TCA030AKC*	EX*36J****+NTV6125	31000	11	10.2	2000	1025
TCA030AKC*	EX*36J****+*8MPV100	31000	11	10.1	2000	1095
TCA030AKC*	EX*36J****+*8MPV125	31000	11	10.05	2000	1100
TCA030AKC*	EX*36J****+*9MPV100	31000	11	9.95	2000	1095
TCA030AKC*	EX*36J****+*9MPV125	31000	11	9.9	2000	1075
TCA030AKC*	EBP30****	30200	10	9.2	2000	1000
TCA030AKC*	EBP36****	30600	10	9.05	2000	1000
TCA030AKC*	FWM30****	30400	10	9.1	2000	1000
TCA030AKC*	EBV36****	31000	11	9.95	2000	1000
TCA030AKC*	EBX36****	30800	10.3	9.35	2000	1000
TCA030AKC*	EMH30F****+TD1+TXV	28400	10	8.8	2000	1000
TCA030AKC*	EMH36F****+TD1+TXV	29400	10	9.05	2000	1000
TCA030AKC*	EP*30B****+TD1+TXV	28400	10	8.8	2000	1000
TCA030AKC*	EP*30F****+TD1+TXV	28400	10	8.8	2000	1000
TCA030AKC*	EP*36B****+TD1+TXV	29400	10	9.05	2000	1000
TCA030AKC*	EP*36F****+TD1+TXV	29400	10	9.05	2000	1000
TCA030AKC*	EP*36J****+TD1+TXV	29400	10	9.05	2000	1000
TCA036AKC*	EP*36F****+TD1	35200	10	8.95	2000	1200
TCA036AKC*	EP*36B****+TD1	34200	10	9	2000	1000
TCA036AKC*	EMH36F****+TD1	35000	10	8.95	2000	1200
TCA036AKC*	EMH42F****+TD1	35600	10.2	9.2	2000	1100
TCA036AKC*	EP*36J****+TD1	35000	10	8.95	2000	1200
TCA036AKC*	EP*36J****+NTV6100+TXV	35600	10.5	9.6	2000	1210
TCA036AKC*	EP*36J****+NTV6125+TXV	35200	10.5	9.6	2000	1155
TCA036AKC*	EP*36J****+*8MPV100+TXV	35600	10.5	9.45	2000	1250
TCA036AKC*	EP*36J****+*8MPV125+TXV	35400	10.5	9.4	2000	1240
TCA036AKC*	EP*36J****+*9MPV100+TXV	35400	10.5	9.3	2000	1230
TCA036AKC*	EP*36J****+*9MPV125+TXV	35400	10.2	9.25	2000	1230
TCA036AKC*	EP*36J****+MV12F19****+TXV	35400	10.5	9.45	2000	1240
TCA036AKC*	EP*36J****+MV16J22****+TXV	35600	10.5	9.65	2000	1215
TCA036AKC*	EP*42F****+TD1	35600	10	9.2	2000	1100
TCA036AKC*	EP*42J****+TD1	36000	10	9.2	2000	1200
TCA036AKC*	EP*42J****+NTV6100+TXV	35400	10.5	9.55	2000	990
TCA036AKC*	EP*42J****+NTV6125+TXV	35400	10.5	9.55	2000	940
TCA036AKC*	EP*42J****+*8MPV100+TXV	36000	10.5	9.5	2000	1055
TCA036AKC*	EP*42J****+*8MPV125+TXV	35800	10.3	9.4	2000	1035
TCA036AKC*	EP*42J****+*9MPV100+TXV	35600	10.3	9.35	2000	1045
TCA036AKC*	EP*42J****+*9MPV125+TXV	35600	10.2	9.25	2000	1040
TCA036AKC*	EP*42J****+MV12F19****+TXV	35600	10.3	9.45	2000	1065
TCA036AKC*	EP*42J****+MV16J22****+TXV	35600	10.5	9.65	2000	1000
TCA036AKC*	EP*48N****+NTV6125+TXV	36000	11	10.1	2000	1185
TCA036AKC*	EP*48N****+*8MPV125+TXV	36000	11	9.9	2000	1270
TCA036AKC*	EP*48N****+*9MPV125+TXV	36000	10.5	9.75	2000	1255
TCA036AKC*	EX*36B****+TD1	36000	10.3	9.4	2000	1100
TCA036AKC*	EX*36F****+TD1	36000	10.3	9.4	2000	1100
TCA036AKC*	EX*36F****+NTV6050	36000	10.5	9.6	2000	1125
TCA036AKC*	EX*36F****+NTV6100	36000	11	10	2000	1170
TCA036AKC*	EX*36F****+NTV6125	36000	11	10	2000	1115
TCA036AKC*	EX*36F****+*8MPV050	36000	10	9	2000	1175
TCA036AKC*	EX*36F****+*8MPV100	36000	11	9.85	2000	1210
TCA036AKC*	EX*36F****+*8MPV125	36000	11	9.8	2000	1200
TCA036AKC*	EX*36F****+*9MPV050	36000	10	8.95	2000	1165
TCA036AKC*	EX*36F****+*9MPV100	36000	10.5	9.7	2000	1195
TCA036AKC*	EX*36F****+MV12F19****	36000	11	9.85	2000	1210

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# PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Rating A Cooling Capacity(MBtuh)	SEER Rating (Btuh/watt)	Rating A EER Rating (Btuh/watt)	Outdoor Coil Air Quantity (SCFM)	Indoor Coil Air Quantity (SCFM)
TCA036AKC*	EX*36F****+MV16J22****	36000	11	10.05	2000	1175
TCA036AKC*	EX*36J****+TD1	36000	10.3	9.4	2000	1200
TCA036AKC*	EX*48N****+NTV6125	37000	11	10.25	2000	1190
TCA036AKC*	EX*48N****+*8MPV125	37000	11	10	2000	1280
TCA036AKC*	EX*48N****+*9MPV125	37000	11	9.85	2000	1260
TCA036AKC*	EBP36****	36000	10	9.05	2000	1200
TCA036AKC*	EBP42****	37000	10	9.2	2000	1200
TCA036AKC*	EBV36****	37000	11	9.85	2000	1200
TCA036AKC*	EBX36****	37000	10.5	9.3	2000	1200
TCA036AKC*	EMH36F****+TD1+TXV	35000	10	8.95	2000	1200
TCA036AKC*	EMH42F****+TD1+TXV	36000	10.25	9.25	2000	1100
TCA036AKC*	EP*36B****+TD1+TXV	34000	10	8.95	2000	1000
TCA036AKC*	EP*36F****+TD1+TXV	35000	10	8.95	2000	1200
TCA036AKC*	EP*36J****+TD1+TXV	35000	10	8.95	2000	1200
TCA036AKC*	EP*42F****+TD1+TXV	36000	10.25	9.25	2000	1100
TCA036AKC*	EP*42J****+TD1+TXV	36000	10.25	9.25	2000	1200
TCA042AKC*	EP*42J****+TD1	41000	10	9	2000	1400
TCA042AKC*	EP*42F****+TD1	39500	10	9.05	2000	1100
TCA042AKC*	EMH42F****+TD1	39500	10	9.05	2000	1100
TCA042AKC*	EMH48F****+TD1	41000	10	9.15	2000	1300
TCA042AKC*	EP*42J****+MV16J22****+TXV	41000	10.25	9.05	2000	1435
TCA042AKC*	EP*42J****+TD1	41000	10	9	2000	1400
TCA042AKC*	EP*42J****+NTV6100+TXV	41000	10.25	9.1	2000	1385
TCA042AKC*	EP*42J****+NTV6125+TXV	41000	10.25	9.15	2000	1360
TCA042AKC*	EP*42J****+*8MPV100+TXV	41000	10	8.9	2000	1425
TCA042AKC*	EP*42J****+*8MPV125+TXV	39500	10	8.85	2000	1395
TCA042AKC*	EP*48F****+TD1	41000	10	9.1	2000	1300
TCA042AKC*	EP*48J****+TD1	42000	10	9.1	2000	1400
TCA042AKC*	EP*48N****+TD1	42000	10	9.1	2000	1400
TCA042AKC*	EP*48N****+NTV6100+TXV	42000	10.5	9.65	2000	1420
TCA042AKC*	EP*48N****+NTV6125+TXV	42000	11	9.7	2000	1360
TCA042AKC*	EP*48N****+*8MPV100+TXV	42000	10.5	9.5	2000	1420
TCA042AKC*	EP*48N****+*8MPV125+TXV	42000	10.5	9.45	2000	1425
TCA042AKC*	EP*48N****+*9MPV100+TXV	42000	10.3	9.25	2000	1430
TCA042AKC*	EP*48N****+*9MPV125+TXV	42000	10.3	9.2	2000	1425
TCA042AKC*	EP*48N****+MV16J22****+TXV	42000	11	9.7	2000	1430
TCA042AKC*	EX*42F****+TD1	41500	10.3	9.25	2000	1200
TCA042AKC*	EX*42J****+TD1	41500	10.3	9.25	2000	1200
TCA042AKC*	EX*42J****+NTV6100	42000	11	9.7	2000	1375
TCA042AKC*	EX*42J****+NTV6125	42000	11	9.75	2000	1315
TCA042AKC*	EX*42J****+*8MPV100	42000	10.5	9.55	2000	1375
TCA042AKC*	EX*42J****+*8MPV125	42000	10.5	9.5	2000	1380
TCA042AKC*	EX*42J****+*9MPV100	42000	10.5	9.3	2000	1390
TCA042AKC*	EX*42J****+*9MPV125	42000	10.25	9.25	2000	1385
TCA042AKC*	EX*42J****+MV16J22****	42000	11	9.75	2000	1385
TCA042AKC*	EX*48J****+TD1	42000	10.25	9.2	2000	1400
TCA042AKC*	EX*48N****+TD1	42000	10.25	9.2	2000	1400
TCA042AKC*	EX*48N****+NTV6125	42500	11	9.8	2000	1375
TCA042AKC*	EX*48N****+*8MPV125	42500	10.5	9.55	2000	1445
TCA042AKC*	EX*48N****+*9MPV125	42500	10.5	9.3	2000	1435
TCA042AKC*	EX*48N****+MV16J22****	42500	11	9.8	2000	1440
TCA042AKC*	EBP42****	41000	10	9	2000	1400
TCA042AKC*	EBP48****	42000	10	9.1	2000	1400
TCA042AKC*	EBV48****	43000	11	9.95	2000	1400
TCA042AKC*	EBX48****	42500	10.5	9.25	2000	1400
TCA042AKC*	EMH42F****+TD1+TXV	39500	10.25	9.05	2000	1100
TCA042AKC*	EMH48F****+TD1+TXV	41000	10.25	9.15	2000	1300
TCA042AKC*	EP*42F****+TD1+TXV	39500	10.25	9.05	2000	1100
TCA042AKC*	EP*42J****+TD1+TXV	40000	10.25	9.05	2000	1200
TCA042AKC*	EP*48F****+TD1+TXV	41000	10.25	9.1	2000	1300

Many matches require a pin change. Always check pin size to insure maximum performance. 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.

# PERFORMANCE DATA COOLING

Outdoor Model	Indoor Model	Rating A Cooling Capacity(MBtuh)	SEER Rating (Btuh/watt)	Rating A EER Rating (Btuh/watt)	Outdoor Coil Air Quantity (SCFM)	Indoor Coil Air Quantity (SCFM)
TCA042AKC*	EP*48J****+TD1+TXV	41500	10.25	9.1	2000	1400
TCA042AKC*	EP*48N****+TD1+TXV	41500	10.25	9.1	2000	1400
TCA048AKC*	EP*48L****+TD1	47000	10	9.45	3100	1600
TCA048AKC*	EP*48F****+TD1	45000	10.5	9.45	3100	1300
TCA048AKC*	EMH48F****+TD1	45500	10.5	9.55	3100	1300
TCA048AKC*	EP*48J****+TD1	46000	10.5	9.5	3100	1400
TCA048AKC*	EP*48J****+NTV6100+TXV	47000	11	9.8	3100	1545
TCA048AKC*	EP*48J****+NTV6125+TXV	46500	11	9.8	3100	1510
TCA048AKC*	EP*48J****+8MPV100+TXV	46500	10.5	9.55	3100	1565
TCA048AKC*	EP*48J****+8MPV125+TXV	46500	10.5	9.5	3100	1550
TCA048AKC*	EP*48J****+9MPV100+TXV	46500	10.5	9.3	3100	1580
TCA048AKC*	EP*48J****+9MPV125+TXV	46500	10.3	9.25	3100	1580
TCA048AKC*	EP*48J****+MV20N26****+TXV	47000	11	9.85	3100	1590
TCA048AKC*	EP*48N****+TD1	46000	10.5	9.5	3100	1400
TCA048AKC*	EP*60J****+TD1	47500	10.5	9.55	3100	1600
TCA048AKC*	EP*60J****+NTV6100+TXV	48000	11	10	3100	1610
TCA048AKC*	EP*60J****+NTV6125+TXV	48000	11	10.05	3100	1580
TCA048AKC*	EP*60J****+8MPV100+TXV	47500	11	9.75	3100	1630
TCA048AKC*	EP*60J****+8MPV125+TXV	47500	11	9.7	3100	1620
TCA048AKC*	EP*60J****+9MPV100+TXV	47500	10.5	9.5	3100	1635
TCA048AKC*	EP*60J****+9MPV125+TXV	47500	10.5	9.45	3100	1635
TCA048AKC*	EP*60J****+MV20N26****+TXV	48000	11	10.05	3100	1665
TCA048AKC*	EP*60N****+TD1	47500	10.5	9.55	3100	1600
TCA048AKC*	EX*48J****+TD1	47000	10.5	9.55	3100	1500
TCA048AKC*	EX*48N****+TD1	47000	10.5	9.55	3100	1500
TCA048AKC*	EX*48N****+NTV6125	47500	11	9.95	3100	1540
TCA048AKC*	EX*48N****+8MPV125	47500	11	9.65	3100	1580
TCA048AKC*	EX*48N****+9MPV125	47500	10.5	9.4	3100	1605
TCA048AKC*	EX*48N****+MV20N26****	48000	11	10	3100	1625
TCA048AKC*	EBP48****	47500	10.5	9.4	3100	1600
TCA048AKC*	EBP60****	48000	10.5	9.45	3100	1600
TCA048AKC*	EBV48****	48000	11	10.1	3100	1600
TCA048AKC*	EBX48****	48000	10.5	9.7	3100	1600
TCA048AKC*	EBX60****	48000	10.5	9.8	3100	1600
TCA048AKC*	EP*48F****+TD1+TXV	45000	10.5	9.4	3100	1300
TCA048AKC*	EP*48J****+TD1+TXV	46000	10.5	9.45	3100	1400
TCA048AKC*	EP*48N****+TD1+TXV	46000	10.5	9.45	3100	1400
TCA048AKC*	EP*60J****+TD1+TXV	47500	10.5	9.55	3100	1600
TCA048AKC*	EP*60N****+TD1+TXV	47500	10.5	9.55	3100	1600
TCA060AKC*	EP*60N****+TD1	56500	10	8.65	3100	1750
TCA060AKC*	EP*60J****+TD1	56000	10	8.65	3100	1750
TCA060AKC*	EX*60N****+TD1	59000	10	9.05	3100	1700
TCA060AKC*	EX*60N****+NTV6125	59000	10.3	9.15	3100	1840
TCA060AKC*	EX*60N****+MV20N26****	59000	10.5	9.3	3100	1830
TCA060AKC*	EBP60****	58000	10	8.7	3100	1700
TCA060AKC*	EBV60****	59000	10.5	9.25	3100	1700
TCA060AKC*	EBX60****	59000	10	8.9	3100	1700
TCA060AKC*	EP*60J****+TD1+TXV	56000	10	8.65	3100	1750
TCA060AKC*	EP*60N****+TD1+TXV	56000	10	8.65	3100	1750

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## MODEL NUMBER IDENTIFICATION GUIDE

<b>MODEL NUMBER</b> T CA 2 24 A K A <b>PRODUCT FAMILY</b> * = Brand	<b>SALES CODE</b> <b>ELECTRICAL</b> K = 208/230-1-60 H = 208/230-3-60
<b>PRODUCT TYPE</b> AC = Air Conditioning CA = Condenser A/C HP = Heat Pump CH = Condenser H/P	<b>CONNECTIONS</b> A = Sweat / Valve
<b>NOMINAL SEER RATING</b> 0 = 10 2 = 12 4 = 14	<b>NOMINAL CAPACITY MBTUH</b> 18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000

## 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