

SmartComfort 2400

TEMPSTAR®

Heating and Cooling Products

14+ SEER
Heat Pump



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.



2 THRU 5 TONS SPLIT SYSTEM

FEATURES

- "Durawhisper"™ Top design for quiet operation
- Rugged and coated inlet and discharge grilles for superior coil protection
- High efficiency scroll compressors on all models
- Suction line accumulator on all models
- Integrated solid state time / temperature defrost and Compressor anticycle timer
- Soft defrost change over
- Low pressure cut-out switch
- Large biflow filter driers

BUILT TO LAST

- G-90 Galvanized steel cabinet with integral base rails
- Triple step painting process
- Copper tube / aluminum fin coil
- Precoated condenser fins
- Standard 5 year limited warranty on parts
- Ten (10) year limited compressor warranty
- Covered under the 5 year No Hassle Replacement Warranty Program

EASY TO INSTALL AND SERVICE

- Filled with Service Friendly features
- Service valves on all models with 3-1/2" stubs
- Fan motor in-line disconnect plug
- Easy side access sloped control panel
- Factory charged with R-22, condenser plus 25 ft. lines
- External high and low refrigerant service ports

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

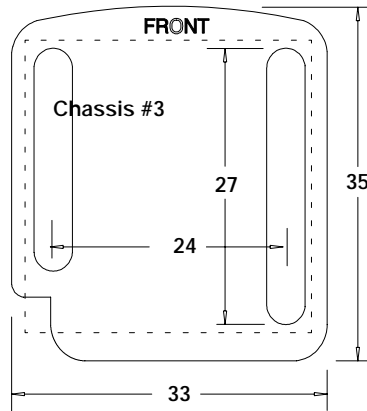
Base Specifications

Model Number	TCH424AKD	TCH430AKD	TCH436AKD	TCH442AKD	TCH448AKD	TCH460AKD
Max. Cooling Capacity (Btuh)	23800	27200	34600	39500	44500	57500
Max. Heating Capacity (Btuh)	24600	29000	33400	39500	46000	58000
SEER Label	14	14	14	14	14	14
Sound Rating Decibels	74	76	76	76	78	78
Fan HP / Type / Speeds	1/8-PSC-2	1/8-PSC-2	1/8-PSC-2	1/4-PSC-2	1/4-PSC-2	1/4-PSC-2
Fan RPM / est. CFM (high speed)	840 / 2750	840 / 2750	840 / 2750	3700 / 840	3900 / 840	4000 / 840
Coil Face Area (Sq Ft)	26.4	26.4	26.4	26.4	26.4	26.4
Coil Rows / Fins Per Inch	2 / 22	2 / 22	2 / 22	2 / 22	2 / 22	2 / 22
Line Connection Suction I.D. Size (In.)	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
Factory Charge - R22 (Oz)	300	292	330	375	333	400
Weight Lbs. (Ship)	284	299	311	319	329	346

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

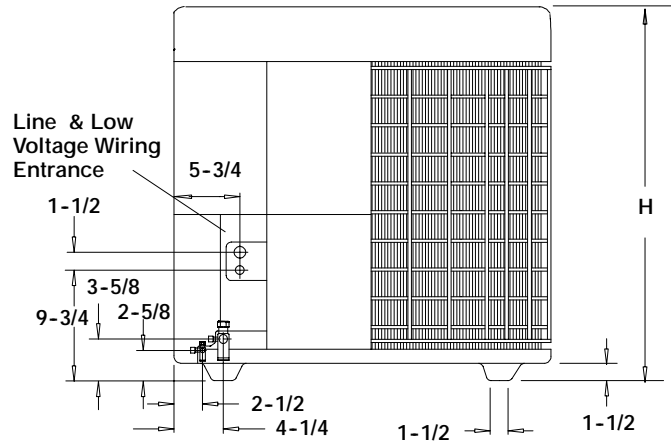
Minimum Circuit Ampacity	14.4	18.4	20.8	27.4	26.6	36.5
Wire Size (AWG Cu) / Max. Length (Ft)	14 / 49	14 / 39	12 / 54	10 / 66	10 / 68	8 / 77
Time Delay Fuse (Amps)	20	30	30	40	40	60
Max. Fuse or HACR Breaker Size (Amps)	20	30	30	40	40	60
Compressor Full Run / Lock Rotor Amps	10.9 / 54	14.1 / 42.5	16 / 88	20.7 / 95	20.1 / 109	28 / 169
Fan Full Load / Lock Rotor Amps	.8 / 1.5	.8 / 1.5	.8 / 1.5	1.5 / 2.9	1.5 / 2.9	1.5 / 2.9

Dimensions		
Model	Chassis	Height (H)
424	3	32
430	3	36
436	3	36
442	3	46
448	3	46
460	3	46



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

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
AXWR01DFA	Fossil Fuel Kit	All Models
AMA001TDA	Indoor Blower Time Delay	All Models
AMB001CMA	Mesh Grille Guard (Pkg of 6) Trim to Fit	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

Brand	ARI	Outdoor Model	Indoor Model	Cooling 95° F					Heating 47° F			Heating 17° F		CFM
				Btuh	SEER	S/T	EER	Watts	Btuh	COP	HSPF	Btuh	COP	
TEMPSTAR	391628	TCH424AKD*	EBX36****	23200	12.5	0.75	11.2	2071	25000	3.22	7.4	15700	1.9	800
TEMPSTAR	391632	TCH424AKD*	EX*36B****+*8MPV050	23200	13.5	0.75	12.2	1909	23800	3.64	8	14800	2.22	780
TEMPSTAR	391638	TCH424AKD*	EX*36B****+MV08B15****	23200	14	0.75	12.7	1834	24000	3.82	8.2	15000	2.34	770
TEMPSTAR	391633	TCH424AKD*	EX*36B****+TD1	23200	12.5	0.75	11.3	2062	24400	3.62	8	15600	2.22	800
TEMPSTAR	391629	TCH424AKD*	EX*36F****+*8MPV050	23200	13.5	0.75	12.2	1909	24000	3.76	8.2	15200	2.3	780
TEMPSTAR	391636	TCH424AKD*	EX*36F****+*9MPV050	23400	13.5	0.75	12.1	1942	23800	3.62	8	14800	2.2	765
TEMPSTAR	391639	TCH424AKD*	EX*36F****+*9MPV075	23400	13.5	0.75	12.2	1926	23800	3.68	8	14800	2.24	815
TEMPSTAR	391640	TCH424AKD*	EX*36F****+MV12F19****	23200	14	0.75	12.7	1827	24000	3.86	8.2	15000	2.36	790
TEMPSTAR	391637	TCH424AKD*	EX*36F****+NTV6050	23200	14	0.75	12.4	1871	24000	3.8	8.2	15100	2.32	785
TEMPSTAR	391634	TCH424AKD*	EX*36F****+NTV6075	23200	14	0.75	12.5	1863	24000	3.88	8.2	15100	2.34	850
TEMPSTAR	391635	TCH424AKD*	EX*36F****+TD1	23200	12.5	0.75	11.3	2062	24400	3.62	8	15600	2.22	800
TEMPSTAR	391630	TCH424AKD*	EX*36J****+TD1	23200	12.5	0.75	11.3	2062	24400	3.62	8	15600	2.22	800
TEMPSTAR	391631	TCH424AKD*	EBV36****	27200	14	0.74	11.5	2376	29000	3.34	8.4	18500	2.36	875
TEMPSTAR	391641	TCH430AKD*	EBX36****	27000	12.5	0.74	10.5	2584	29000	3.54	8.4	18800	2.3	950
TEMPSTAR	391650	TCH430AKD*	EBX48****	27400	13	0.74	10.6	2585	27800	4.08	8.4	17000	2.92	875
TEMPSTAR	391654	TCH430AKD*	EX*36F****+TD1	27000	12.5	0.74	10.5	2571	28800	3.76	8.4	17200	2.54	950
TEMPSTAR	391648	TCH430AKD*	EX*36F****+*8MPV075	27200	13.5	0.74	11.3	2407	28200	3.86	8.4	16700	2.62	905
TEMPSTAR	391651	TCH430AKD*	EX*36F****+*9MPV075	27200	13.5	0.74	11.1	2450	28200	3.82	8.4	16800	2.6	890
TEMPSTAR	391644	TCH430AKD*	EX*36F****+*9MPV100	27000	13.5	0.74	11.3	2389	28200	3.84	8.4	16700	2.62	865
TEMPSTAR	391645	TCH430AKD*	EX*36J****+MV12F19****	27200	14	0.74	11.5	2365	28000	3.9	8.4	16600	2.64	895
TEMPSTAR	391646	TCH430AKD*	EX*36F****+NTV6075	27200	13.5	0.74	11.3	2407	28200	3.86	8.4	16700	2.62	900
TEMPSTAR	391642	TCH430AKD*	EX*36F****+NTV6100	27600	14	0.74	11.5	2410	28000	4	8.4	16700	2.68	1015
TEMPSTAR	391643	TCH430AKD*	EX*36F****+TD1	27000	12.5	0.74	10.5	2571	28800	3.76	8.4	17200	2.56	950
TEMPSTAR	391649	TCH430AKD*	EX*36J****+*8MPV100	27400	13.5	0.74	11.5	2383	28000	3.94	8.4	16600	2.66	955
TEMPSTAR	391652	TCH430AKD*	EX*36J****+*9MPV100	27200	13.5	0.74	11.4	2396	28000	3.88	8.4	16700	2.62	890
TEMPSTAR	391653	TCH430AKD*	EX*36J****+TD1	26800	12.5	0.74	10.5	2552	28800	3.72	8.4	17100	2.54	875
TEMPSTAR	391647	TCH430AKD*	EBV36****	34600	14	0.71	11.8	2945	33400	3.46	8.4	20800	2.36	1030
TEMPSTAR	391655	TCH436AKD*	EBX36****	34200	13	0.71	11	3123	34000	3.12	7.85	20800	2.1	1030
TEMPSTAR	391670	TCH436AKD*	EBX48****	35600	13	0.71	11.3	3164	32200	4.42	8.2	21400	3.44	1030
TEMPSTAR	391679	TCH436AKD*	EP*42F****+MV12F19****+TXV	34600	13.5	0.71	11.5	3022	33000	3.68	8.6	21400	2.58	1205
TEMPSTAR	391656	TCH436AKD*	EX*36F****+*8MPV075	34600	13.5	0.71	11.6	2983	33000	3.7	8.6	21200	2.62	1050
TEMPSTAR	391671	TCH436AKD*	EX*36J****+*8MPV075	34400	13	0.71	11.4	3031	33200	3.64	8.6	21400	2.58	1040
TEMPSTAR	391672	TCH436AKD*	EX*36F****+*9MPV100	34600	13.5	0.71	11.7	2970	33000	3.7	8.6	21200	2.62	1055
TEMPSTAR	391673	TCH436AKD*	EX*36F****+MV12F19****	34600	14	0.71	11.9	2908	32800	3.7	8.6	21000	2.6	1015
TEMPSTAR	391658	TCH436AKD*	EX*36F****+TD1	34000	13	0.71	11	3091	33200	3.6	8.6	21600	2.56	1030
TEMPSTAR	391659	TCH436AKD*	EX*36J****+*8MPV100	34600	14	0.71	11.9	2908	32800	3.76	8.6	21200	2.64	1095
TEMPSTAR	391657	TCH436AKD*	EX*36J****+*9MPV100	34600	13.5	0.71	11.8	2945	33000	3.74	8.6	21200	2.64	1095
TEMPSTAR	391661	TCH436AKD*	EX*36J****+NTV6100	34600	14	0.71	12.1	2871	32800	3.74	8.6	21000	2.64	1055
TEMPSTAR	391660	TCH436AKD*	EX*36J****+TD1	34000	13	0.71	11	3091	33200	3.6	8.6	21600	2.54	1030
TEMPSTAR	391674	TCH436AKD*	EX*42F****+*8MPV075	35000	14	0.71	11.9	2954	32200	4.36	8.2	21200	3.34	1065
TEMPSTAR	391675	TCH436AKD*	EX*42F****+*9MPV075	34600	13.5	0.71	11.6	2996	32400	4.3	8.6	21200	3.3	1055
TEMPSTAR	391676	TCH436AKD*	EX*42F****+MV12F19****	35000	14	0.71	12.2	2881	32200	4.38	8.6	21000	3.36	1030
TEMPSTAR	391677	TCH436AKD*	EX*42F****+TD1	34600	13	0.71	11.2	3089	32400	4.22	8.2	21400	3.24	1030
TEMPSTAR	391662	TCH436AKD*	EX*42J****+*8MPV100	35000	14	0.71	12.1	2905	32200	4.42	8.6	21000	3.38	1070
TEMPSTAR	391678	TCH436AKD*	EX*42J****+*9MPV075	35000	13	0.71	11.2	3125	32400	4.38	8.6	21600	3.3	1215
TEMPSTAR	391666	TCH436AKD*	EX*42J****+*9MPV100	35000	13.5	0.71	11.7	3004	32400	4.46	8.6	21400	3.36	1215
TEMPSTAR	391667	TCH436AKD*	EX*42J****+*9MPV125	35000	13.5	0.71	11.6	3017	32400	4.44	8.6	21400	3.36	1215
TEMPSTAR	391668	TCH436AKD*	EX*42J****+MV16J22****	35600	14.3	0.71	12.3	2906	32000	4.58	8.6	21000	3.46	1200
TEMPSTAR	391669	TCH436AKD*	EX*42J****+NTV6100	35000	14	0.71	12.1	2893	32200	4.54	8.6	21000	3.42	1195
TEMPSTAR	391664	TCH436AKD*	EX*42J****+NTV6125	35000	14	0.71	12.2	2881	32200	4.5	8.6	21000	3.42	1140
TEMPSTAR	391665	TCH436AKD*	EX*42J****+TD1	34600	13	0.71	11.2	3089	32400	4.22	8.2	21400	3.24	1030
TEMPSTAR	391663	TCH436AKD*	EBV48****	39500	14	0.74	11.8	3362	38500	3.46	8.2	23600	2.36	1200
TEMPSTAR	391680	TCH442AKD*	EBX48****	38000	13	0.74	10.9	3502	38000	3.58	8	24400	2.44	1200
TEMPSTAR	391693	TCH442AKD*	EP*48F****+MV16J22****+TXV	38000	13.5	0.74	11.4	3333	38500	3.32	7.8	23400	2.26	1210
TEMPSTAR	391681	TCH442AKD*	EX*42F****+MV12F19****	38000	13.5	0.74	11.4	3348	38500	3.32	7.9	23800	2.26	1230
TEMPSTAR	391700	TCH442AKD*	EX*42F****+TD1	38000	12.5	0.74	10.7	3568	39000	3.28	7.9	24200	2.24	1200
TEMPSTAR	391699	TCH442AKD*	EX*42J****+*8MPV100	38000	13.5	0.74	11.4	3348	38500	3.32	7.9	23800	2.26	1235
TEMPSTAR	391701	TCH442AKD*	EX*42J****+*8MPV125	38000	13.2	0.74	11.3	3378	38500	3.32	7.9	23800	2.26	1225
TEMPSTAR	391702	TCH442AKD*	EX*42J****+*9MPV100	38000	13.2	0.74	11.2	3408	39000	3.3	7.9	23800	2.26	1215
TEMPSTAR	391703	TCH442AKD*	EX*42J****+*9MPV125	38000	13.2	0.74	11.1	3439	39000	3.3	7.9	24000	2.26	1215
TEMPSTAR	391704	TCH442AKD*	EX*42J****+MV16J22****	38500	14	0.74	11.7	3305	38000	3.56	8.2	23800	2.42	1200

PERFORMANCE DATA COOLING

Brand	ARI	Outdoor Model	Indoor Model	Cooling 95° F					Heating 47° F			Heating 17° F		CFM
				Btuh	SEER	S/T	EER	Watts	Btuh	COP	HSPF	Btuh	COP	
TEMPSTAR	391682	TCH442AKD*	EX*48J****+8MPV100	38000	13.5	0.74	11.4	3333	38500	3.46	8.1	24000	2.36	1280
TEMPSTAR	391705	TCH442AKD*	EX*48J****+8MPV125	38000	13.5	0.74	11.3	3363	38500	3.44	8.1	24000	2.36	1270
TEMPSTAR	391694	TCH442AKD*	EX*48J****+9MPV100	38000	13.2	0.74	11.2	3393	38500	3.44	8.2	24000	2.36	1255
TEMPSTAR	391686	TCH442AKD*	EX*48J****+9MPV125	38000	13.2	0.74	11.2	3408	38500	3.42	8.1	24200	2.36	1255
TEMPSTAR	391695	TCH442AKD*	EX*48J****+NTV6100	38500	13.5	0.74	11.6	3319	38500	3.48	8.2	23800	2.36	1240
TEMPSTAR	391684	TCH442AKD*	EX*48J****+NTV6125	38000	13.5	0.74	11.6	3276	38500	3.46	8.2	23800	2.36	1185
TEMPSTAR	391685	TCH442AKD*	EX*48J****+TD1	38000	12.5	0.74	10.7	3568	39000	3.38	8.1	24400	2.32	1200
TEMPSTAR	391683	TCH442AKD*	EX*48L****+8MPV125	38000	13.5	0.74	11.3	3363	38500	3.44	8.1	24000	2.36	1270
TEMPSTAR	391696	TCH442AKD*	EX*48L****+9MPV100	38000	13.2	0.74	11.2	3393	38500	3.44	8.1	24000	2.36	1255
TEMPSTAR	391697	TCH442AKD*	EX*48L****+9MPV125	38000	13.2	0.74	11.2	3408	38500	3.42	8.1	24200	2.36	1255
TEMPSTAR	391698	TCH442AKD*	EX*48L****+TD1	38000	12.5	0.74	10.7	3568	39000	3.38	8	24400	2.32	1200
TEMPSTAR	391687	TCH442AKD*	EX*48N****+9MPV100	38000	13.2	0.74	11.3	3378	38000	3.44	8.1	24000	2.36	1260
TEMPSTAR	391691	TCH442AKD*	EX*48N****+9MPV125	38000	13.2	0.74	11.2	3408	38500	3.42	8.1	24200	2.36	1260
TEMPSTAR	391692	TCH442AKD*	EX*48N****+NTV6100	39000	13.5	0.74	11.5	3391	38500	3.48	8.2	24000	2.38	1435
TEMPSTAR	391689	TCH442AKD*	EX*48N****+NTV6125	38000	13.5	0.74	11.7	3262	38500	3.46	8.1	23800	2.36	1190
TEMPSTAR	391690	TCH442AKD*	EX*48N****+TD1	38000	12.5	0.74	10.7	3568	39000	3.38	8	24400	2.32	1200
TEMPSTAR	391688	TCH442AKD*	EBV48****	44000	14	0.76	11.4	3877	46500	3.24	7.5	29600	2.3	1400
TEMPSTAR	391724	TCH448AKD*	EBV60****	44500	14	0.76	11.7	3803	46000	3.5	8.3	29200	2.48	1410
TEMPSTAR	391706	TCH448AKD*	EBX48****	43000	13	0.76	10.7	4038	46500	3.16	7.5	30200	2.24	1400
TEMPSTAR	391725	TCH448AKD*	EBX60****	43500	13	0.76	10.7	4065	47000	3.32	7.8	30000	2.36	1400
TEMPSTAR	391726	TCH448AKD*	EP*60J****+MV16J22****+TXV	43000	13.5	0.76	11.3	3805	47000	3.3	7.8	29400	2.34	1460
TEMPSTAR	391707	TCH448AKD*	EP*60N****+MV20N26****+TXV	43000	13.2	0.76	11.1	3874	47000	3.36	8	29800	2.34	1600
TEMPSTAR	391708	TCH448AKD*	EX*48J****+8MPV100	42500	13	0.76	10.9	3899	46500	3.22	7.8	29800	2.3	1400
TEMPSTAR	391716	TCH448AKD*	EX*48J****+9MPV100	42000	12.8	0.76	10.7	3944	46500	3.18	7.6	30000	2.28	1415
TEMPSTAR	391717	TCH448AKD*	EX*48J****+MV16J22****	42500	13.5	0.76	11.2	3795	46500	3.26	7.8	29600	2.32	1410
TEMPSTAR	391718	TCH448AKD*	EX*48L****+8MPV125	42500	13	0.76	10.9	3917	46500	3.2	7.6	29800	2.3	1410
TEMPSTAR	391719	TCH448AKD*	EX*48L****+9MPV125	42000	12.5	0.76	10.6	3981	46500	3.16	7.5	30200	2.26	1410
TEMPSTAR	391720	TCH448AKD*	EX*48N****+MV20N26****	43000	13	0.76	11.1	3891	46500	3.34	7.8	29800	2.34	1600
TEMPSTAR	391721	TCH448AKD*	EX*60L****+8MPV125	44500	13.5	0.76	11.4	3904	45500	3.48	8	29200	2.46	1455
TEMPSTAR	391722	TCH448AKD*	EX*60L****+9MPV125	44000	13	0.76	11.1	3982	46000	3.42	8	29400	2.42	1450
TEMPSTAR	391723	TCH448AKD*	EX*60L****+TD1	44000	13	0.76	10.9	4037	46000	3.36	8	29600	2.38	1410
TEMPSTAR	391709	TCH448AKD*	EX*60N****+9MPV100	44000	13.2	0.76	11.2	3946	45500	3.42	8.1	29400	2.42	1445
TEMPSTAR	391713	TCH448AKD*	EX*60N****+9MPV125	44000	13	0.76	11.1	3982	46000	3.4	8.1	29400	2.42	1440
TEMPSTAR	391714	TCH448AKD*	EX*60N****+MV20N26****	45000	14.1	0.76	11.6	3896	45500	3.6	8.3	29200	2.5	1645
TEMPSTAR	391715	TCH448AKD*	EX*60N****+NTV6100	44500	14	0.76	11.7	3820	45500	3.5	8.3	29000	2.48	1440
TEMPSTAR	391711	TCH448AKD*	EX*60N****+NTV6125	44500	14	0.76	11.7	3803	45500	3.48	8.2	28800	2.48	1380
TEMPSTAR	391712	TCH448AKD*	EX*60N****+TD1	44000	13	0.76	10.9	4037	46000	3.36	8	29400	2.38	1410
TEMPSTAR	391710	TCH448AKD*	EBV60****	57500	13.2	0.74	11.2	5134	58000	3.16	8.2	38000	2.18	1750
TEMPSTAR	391727	TCH460AKD*	EBX60****	56500	12	0.74	10.6	5355	58000	3.06	7.8	38500	2.1	1750
TEMPSTAR	391737	TCH460AKD*	EP*60J****+MV16J22****+TXV	54000	12.5	0.74	10.8	5023	58500	2.88	7.4	38500	1.98	1660
TEMPSTAR	391728	TCH460AKD*	EP*60N****+MV20N26****+TXV	54000	12.5	0.74	10.8	5000	58500	2.84	7.4	38500	1.96	1655
TEMPSTAR	391729	TCH460AKD*	EX*60L****+8MPV125	56500	12.2	0.74	10.6	5330	58000	3.08	8	38500	2.12	1785
TEMPSTAR	391739	TCH460AKD*	EX*60L****+9MPV125	56000	12	0.74	10.3	5437	58000	3.02	7.8	39000	2.08	1805
TEMPSTAR	391738	TCH460AKD*	EX*60L****+TD1	56500	12.5	0.74	10.8	5256	57500	3.08	7.8	38000	2.12	1700
TEMPSTAR	391730	TCH460AKD*	EX*60N****+9MPV100	56000	12.3	0.74	10.7	5234	57000	3.04	7.8	38000	2.12	1620
TEMPSTAR	391734	TCH460AKD*	EX*60N****+9MPV125	56000	12.2	0.74	10.6	5283	57000	3.02	7.8	38000	2.1	1625
TEMPSTAR	391735	TCH460AKD*	EX*60N****+MV20N26****	57000	13	0.74	11.4	5022	56500	3.16	8	37400	2.2	1645
TEMPSTAR	391736	TCH460AKD*	EX*60N****+NTV6100	56500	13	0.74	11.3	5022	57000	3.12	8	37400	2.18	1595
TEMPSTAR	391732	TCH460AKD*	EX*60N****+NTV6125	56500	13	0.74	11.3	5022	57000	3.1	8	37400	2.18	1565
TEMPSTAR	391733	TCH460AKD*	EX*60N****+TD1	56500	12.3	0.74	10.8	5256	57500	3.08	7.8	38000	2.12	1700

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER PRODUCT FAMILY N = Brand	CH	4	24	A	K	D	SALES CODE ELECTRICAL K = 208/230-1-60 H = 208/230-3-60 CONNECTIONS A = Sweat / Valve
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	

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