

AIR CONDITIONER



Representative photo only, some models may vary in appearance.

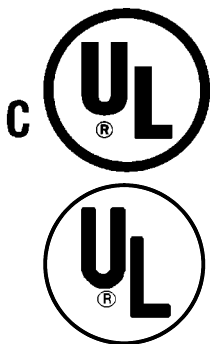
3 THRU 5 TONS SPLIT SYSTEM - 3 Phase

FEATURES

- High efficiency scroll compressors on all models
- Sweat valves on all models
- External refrigerant connections
- Copper tube / aluminum fin coil
- Prepainted condenser fins
- Fan motor in-line disconnect plug
- Factory charge
- Top air discharge for quieter operation
- Galvanized steel cabinet with integral base rails
- Triple step paint process
- Coated inlet grille
- High pressure switch
- Low pressure switch
- Low ambient control to 0° F



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



Listed By Underwriters' Laboratories

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	C	A	55	36	V	H	D	SALES CODE
PRODUCT FAMILY								
C = Condenser								ELECTRICAL H = 208 / 230-3-60
PRODUCT TYPE A = Air Conditioner								L = 460-3-60 S = 575-3-60
							CONNECTIONS V = Sweat/Valve	
SERIES 55 = 5500 Series								CAPACITY MBTUH 36 = 36,000

INTERNATIONAL COMFORT PRODUCTS
650 HEIL-QUAKER AVENUE
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

UNIT SPECIFICATIONS

Model Number		CA5536VHD	CA5536VLD	CA5548VHD	CA5548VLD	CA5560VHD	CA5560VLD	CA5560VSD
Electrical	Voltage-Phase-Hz	208-230/3/60	460-3-60	208-230/3/60	460-3-60	208-230/3/60	460-3-60	575-3-60
	Minimum Circuit Ampacity	13.8	6.9	17.9	8.8	25.1	10.7	8.8
	Max. Overcurrent Protection	20	15	30	15	40	15	15
Compresor Data	Voltage-Phase-Hz	208-230/3/60	460-3-60	208-230/3/60	460-3-60	208-230/3/60	460-3-60	575-3-60
	Full Running / Lock Rotor Amps	10.3 / 77.0	5.1 / 39.0	12.8 / 91.0	6.4 / 46.0	18.6 / 128.0	8.0 / 63.0	6.6 / 49.0
Fan Data	Voltage-Phase-Hz	208-230/1/60	460-1-60	208-230/1/60	460-1-60	208-230/1/60	460-1-60	575-1-60
	Horsepower / Type	1/6 / PSC	1/6 / PSC	1/3 / PSC	1/3 / PSC	1/3 / PSC	1/3 / PSC	1/3 / PSC
	Full Load / Lock Rotor Amps.	.99 / 1.81	.46 / 1.70	1.9 / 4.35	.74 / 2.15	1.9 / 4.35	.74 / 2.15	.6 / 1.9
	Speeds / CFM (Max)	1 / 1100	1 / 1100	1 / 1100	1 / 1100	1 / 1100	1 / 1100	1 / 1100
Outdoor Coil Data	Total Face Area (Sq. Ft.)	13.41	13.41	20.13	20.13	21.31	21.31	21.31
	Fins Per Inch / Rows	22 / 1	22 / 1	22 / 1	22 / 1	22 / 1	22 / 1	22 / 1
	Tube Diameter (OD) (In.)	3/8						
Control Data	Hi Pressure Setting	450						
	Low Pressure Setting	5						
	Low Ambient Control	Actuation 250 / Release 115						
Charge	Suction I.D. Size (In.)	3/4		7/8		1 1/8		
	Liquid I.D. Size (In.)	5/16		3/8				
	Factory Charge R-22 (Oz)	82	82	134	134	150	150	150
Weights	Shipping / Net (Lbs.)	130 / 122	132 / 123	140 / 131	156 / 146	183 / 165	193 / 180	193 / 180

PERFORMANCE DATA COOLING

OUTDOOR MODEL	INDOOR MODEL	BTUH	SEER RATINGS				EER	WATTS	S/T	CFM	PIN	bel
			BASE	+ TD1	+ TXV	+ TD1 + TXV						
CA5536VHD CA5536VLD	EEA,EED36	33,600	---	10.00	---	---	9.4	3574	.74	1200	.072#	76
	EP*36(B15,F19,J22)A	34,400	10.70	10.50	10.90	11.00	9.50	3621	.75	1200	.072	
	EPD/M36F19A + EV12F19	34,600	---	---	12.00	---	10.50	3295	.75	1200	.072	
	EPD/M36J22A + EV16J22	34,600	---	---	12.00	---	10.50	3295	.75	1200	.072	
	EP*42(F19,J22)A	36,000	11.20	11.00	11.40	11.50	10.60	3396	.74	1200	.072#	
	EPD/M42F19A + EV12F19	36,200	---	---	12.50	---	11.60	3121	.74	1200	.072#	
	EPD/M42J22A + EV16J22	36,200	---	---	12.50	---	11.60	3121	.74	1200	.072#	
	EX*36(F19,J22)A	36,000	11.60	11.50	---	---	10.30	3495	.74	1200	TXV	
	EAH5536	33,800	10.60	10.40	10.80	11.00	9.40	3596	.74	1200	.071	
	FCP3600A	34,400	---	10.50	10.90	---	9.30	3699	.75	1200	.072	
	FCX3600A	36,000	11.10	11.30	---	---	10.30	3495	.74	1200	TXV	
CA5548VHD CA5548VLD	EEA,EED48F19A	43,000	---	10.00	---	---	9.4	4574	.73	1225	.079#	78
	EP*48(F19,J22,N26)A	46,000	10.70	10.50	10.90	11.00	9.80	4694	.76	1600	.079	
	EPD/M48F19A + EV12F19	46,500	---	---	12.00	---	10.80	4306	.76	1600	.079	
	EPD/M48J22A + EV16J22	46,500	---	---	12.00	---	10.80	4306	.76	1600	.079	
	EPD/M48N26A + EV20N26	46,500	---	---	12.00	---	10.80	4306	.76	1600	.079	
	EX48N26A	46,000	11.60	11.50	---	---	10.10	4554	.73	1600	TXV	
	EP*60(J22,N26)A	47,000	11.20	11.00	11.40	---	9.80	4694	.76	1600	.079#	
	EAH5548	44,500	11.10	10.90	11.30	11.50	9.70	4588	.74	1600	.079#	
	EAH5560	46,500	11.20	11.00	11.40	11.50	9.90	4697	.74	1600	.079#	
	FCP4800A	46,000	---	10.50	10.90	---	9.60	4791	.76	1600	.079	
	FCX4800A	45,500	---	11.30	---	---	9.80	4664	.73	1600	TXV	

PERFORMANCE DATA COOLING (CONT.)

OUTDOOR MODEL	INDOOR MODEL	BTUH	SEER RATINGS				EER	WATTS	S/T	CFM	PIN	bel
			BASE	+ TD1	+ TXV	+ TD1 + TXV						
CA5560VHD CA5560VLD CA5560VSD	EEA,EED60J22A	54,500	---	10.00	---	---	9.5	5737	.70	1400	.089#	78
	EP48N26A	57,500	10.70	10.50	10.90	11.00	9.70	5928	.70	1600	.089	
	EP*60J22A	58,000	10.70	10.50	10.90	11.00	9.60	6042	.69	1600	.090	
	EPD/M60J22A + EV16J22	58,500	---	---	11.20	---	9.80	5969	.69	1600	.090	
	EP*60N26A	58,000	10.70	10.50	10.90	11.00	9.60	6042	.69	1800	.090	
	EPD/M60N26A + EV20N26	58,500	---	---	11.20	---	9.80	5969	.69	1800	.090	
	EX*60N26A	60,000	11.10	11.00	---	---	9.90	6061	.69	1750	TXV	
	EAH5560	60,000	10.90	10.70	11.10	11.50	9.60	6250	.70	1800	.089#	
	FCP6000A	58,000	---	10.50	10.90	---	9.60	6042	.69	1800	.090	
	FCX6000A	59,000	---	10.60	---	---	9.70	6082	.69	1750	TXV	

= Installer must change pin to size indicated. PIN = Refrigerant orifice PIN size. TD1 = AMA001TDA Indoor Blower Time Delay Kit, required to make SEER indicated. ST9120, FCP, FCX, and EF fan controls satisfy TD1 requirements. TXV = Thermostatic Expansion Valve, use TXV153 (AMF153KA) on 1 1/2 to 3 tons, use TXV335 (AMF335KA) on 3 1/2 to 5 tons. For Electric Furnace (EF Series) ratings: EF08B1500A = EPA24B15A+TD1, EF12F1900A = EPA36F19A+TD1, EF16J2200A = EPA48J22A+TD1, EF20N2600A = EPA60N26A+TD1
 * - A = Loose Coil, C = Cased Upflow Coil, D = Cased Downflow Coil, H = Cased Horizontal Coil

B, F, J, N, in the cased and horizontal coil model numbers indicate coil cabinet width. B = 15 1/2", F = 19 1/8", J = 22 3/4", N = 26 3/8"

B, F, J, N, in the loose coil model numbers indicate drain pan width. B = 14 3/4", F = 17", J = 20 1/2", N = 25 1/2"

CONDENSER CAPACITY DATA

MODEL NUMBER	SUCTION TEMP.*	OUTDOOR TEMPERATURE DEG. F									
		75		85		95		105		115	
		Btuh	Comp. Watts	Btuh	Comp. Watts	Btuh	Comp. Watts	Btuh	Comp. Watts	Btuh	Comp. Watts
CA5536VH/ LD	35	34,756	2,446	34,218	2,408	31,682	2,229	30,414	2,140	28,974	2,039
	40	38,670	2,721	38,246	2,691	35,302	2,484	33,871	2,383	32,081	2,257
	45	42,966	3,023	42,265	2,974	39,140	2,754	37,596	2,645	35,603	2,505
	50	46,634	3,281	44,436	3,127	43,197	3,039	41,499	2,920	39,299	2,765
CA5548VH/ LD	35	42,535	3,197	41,877	3,147	38,773	2,914	37,221	2,797	35,458	2,665
	40	47,324	3,557	46,806	3,518	43,203	3,247	41,452	3,115	39,261	2,951
	45	52,583	3,952	51,725	3,887	47,900	3,600	46,011	3,458	43,571	3,275
	50	57,071	4,289	54,381	4,087	52,865	3,973	50,787	3,817	48,095	3,615
CA5560VH/L/ SD	35	57,364	4,236	56,476	4,170	52,291	3,861	50,198	3,707	47,820	3,531
	40	63,824	4,713	63,125	4,661	58,266	4,302	55,903	4,128	52,949	3,910
	45	70,915	5,236	69,758	5,151	64,600	4,770	62,052	4,582	58,762	4,339
	50	76,968	5,683	73,341	5,415	71,296	5,264	68,494	5,057	64,863	4,789

* Saturated Suction Temperature deg F.

TABLE 1	ACCESSORY	USED ON
TD1 - AMA001TDA Indoor blower time delay kit required to make SEER indicated.		All Models
AXA002TKA / AXB003TKA Expansion Valve Kit		CA5536
AXA003TKA / AXB004TKA Expansion Valve Kit		CA5548
AXA004TKA / AXB005TKA Expansion Valve Kit		CA5560
AMF153TKA Expansion Valve Kit (Use with New Coils)		CA5536
AMF355TKA Expansion Valve Kit (Use with New Coils)		CA5548 thru CA5560

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

ACCESSORIES

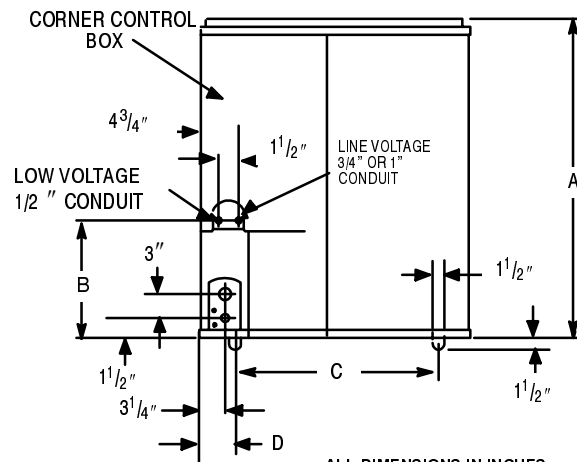
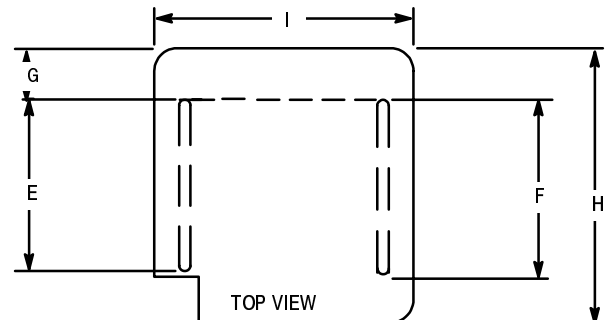
Model / Part Number	Description	Use With
AMA001TDA	Indoor Blower Time Delay	All Models
24370800	Compressor Anti-short cycle 24 Volt 3 Min. Time Delay	All Models
1070822	Compressor Anti-short cycle 24 Volt 5 Min. Time Delay	All Models
1148671 *	Low Ambient Kit (Fan Cycling Switch)	All Models
1053477	Compressor Crankcase Heater Solid State "Stick On" Type	All Models
1148113	Compressor Crankcase Heater "Wrap-around" Type	All Models
1060833	Compressor Sound Jacket	3 Ton
1060834	Compressor Sound Jacket	4 and 5 Ton

* Order from Service Parts

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



ALL DIMENSIONS IN INCHES

Model	A	B	C	D	E	F	G	H	I
CA5536	30	17-1/4	17-1/2	4	12-1/2	16-1/2	4-1/2	23-1/2	23-1/2
CA5548	34	18-3/4	22	4	17-5/8	18-3/4	5-1/2	30	30
CA5560	36	20-3/4							