

A971EK

PRODUCT SPECIFICATIONS

SINGLE STAGE HIGH EFFICIENCY CONSTANT TORQUE GAS FURNACE

FORM NO. A971EK-100 (08/2026)



CONTROLS

- Single stage gas valve
- Durable silicon nitride ignitor
- Self diagnostics saves last 10 fault codes regardless of power interruption
- Control features electronic air cleaner and humidifier terminals

VENTING

- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe

INSTALLATION FEATURES

- Left or right utility connection
- Zero step horizontal conversion
- Removable floor base (upflow / horizontal units) for bottom return air
- Complies with California's South Coast Air Quality Management district 40 ng/J Low NOx requirements

CONFIGURATIONS

- Upflow / Horizontal

HEAT EXCHANGER DESIGN

- 409 Stainless steel primary heat exchanger with crimped non-welded construction
- AL 29-4C Stainless steel secondary heat exchanger

BURNER

- Aluminized steel inshot burners for smooth ignition

CABINET DESIGN

- Compact 33" height
- Standardized widths for easy coil fit

AIR DELIVERY SYSTEM

- Multi-speed high efficiency (constant torque) blower motor
- Easily removable slide out blower design
- Enhanced cooling SEER ratings when applied with properly matched cooling equipment.

WARRANTY

10 year limited parts warranty / lifetime heat exchanger warranty available. See limited warranty document for details.

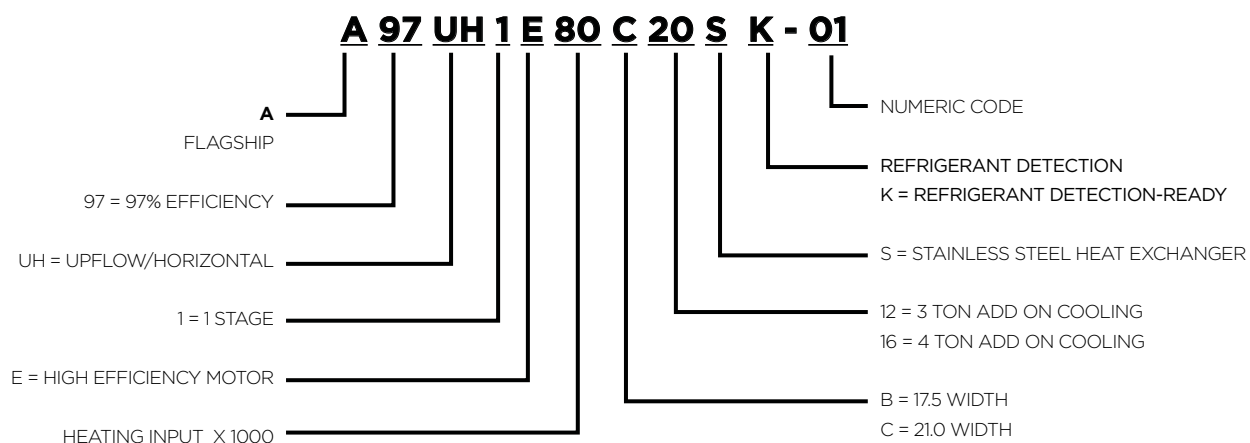
California Only

This product is not certified to be sold or installed in the South Coast Air Quality Management District (SCAQMD). It does not meet the SCAQMD Rule 1111 NOx emission limit of 14 Ng/J.

This product is not certified to be sold or installed in the San Joaquin Valley Air Pollution Control District (SJVAPCD). It does not meet the SJVAPCD Rule 4905 NOx emission limit of 14 Ng/J.



MODEL NUMBER GUIDE



PHYSICAL AND ELECTRICAL DATA

	Model	Input (Btuh)	Output (Btuh)	AFUE (ICS)	Nominal Cooling Capacity	Gas Inlet (in.)	Volts/Hz/Phase	Max. Time Delay Breaker or Fuse	Nominal Full Load Amps	Trans (VA)	Approx Shipping Weight (lbs)
Upflow / Horizontal	A97UH1E030B12SK	30,000	29,000	97%	3 Ton	1/2	120-60-1	15	6.8	40	120
	A97UH1E060B12SK	60,000	59,000	97%	3 Ton	1/2	120-60-1	15	6.8	40	129
	A97UH1E080C16SK	80,000	79,000	97%	4 Ton	1/2	120-60-1	15	8.4	40	152

Note: For vent length and clearances to combustibles, please reference installation instructions.

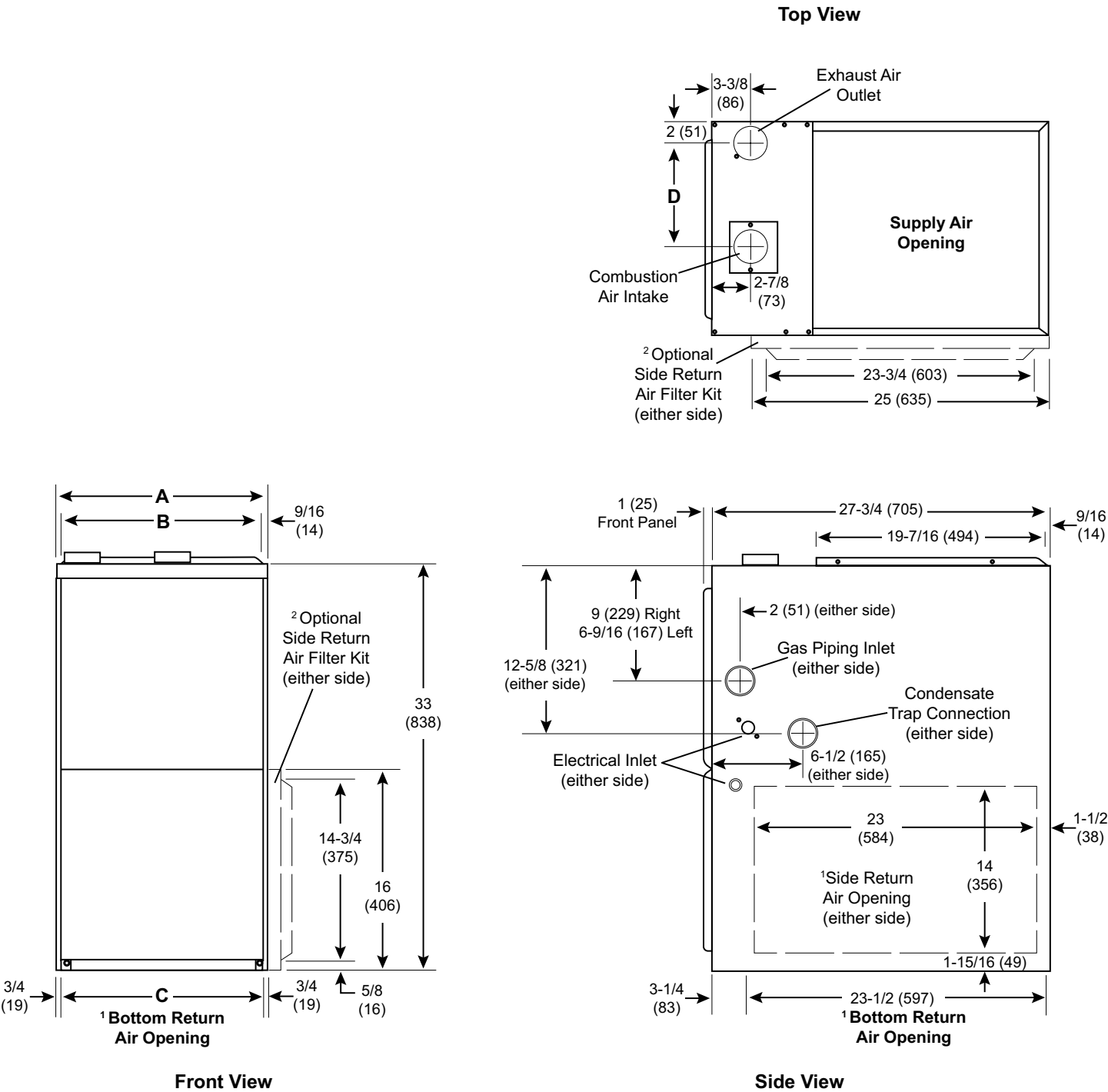
BLOWER PERFORMANCE DATA UPFLOW / HORIZONTAL

A97UH1E030B12SK PERFORMANCE (Less Filter)											
External Static Pressure in. w.c.	Temp Rise	Air Volume / Watts at Various Blower Speeds									
	Rise Range °F	High		Medium-High		Medium		Medium-Low		Low	
		cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.1	25-55	1374	346	1109	198	940	130	743	75	725	75
0.2		1346	360	1080	206	902	138	684	82	546	56
0.3		1321	370	1047	217	866	149	633	90	465	60
0.4		1295	384	1012	228	834	155	589	96	408	67
0.5		1265	395	985	235	794	165	540	107	351	72
0.6		1224	396	956	247	760	175	500	110	306	79
0.7		1152	379	929	256	730	180	453	120	266	84
0.8		1088	353	894	267	673	192	413	125	224	89
0.9		914	304	855	273	644	200	374	132	N/A	N/A
1.0		755	262	694	243	607	208	N/A	N/A	N/A	N/A

A97UH1E060B12SK PERFORMANCE (Less Filter)											
External Static Pressure in. w.c.	Temp Rise	Air Volume / Watts at Various Blower Speeds									
	Rise Range °F	High		Medium-High		Medium		Medium-Low		Low	
		cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.1	30-60	1388	292	1244	221	1131	173	925	110	884	100
0.2		1359	302	1212	230	1096	182	886	116	843	107
0.3		1331	313	1182	238	1062	190	846	123	802	114
0.4		1301	323	1151	247	1028	198	805	130	759	120
0.5		1273	333	1121	256	996	206	764	137	717	127
0.6		1245	342	1090	265	961	215	720	145	670	134
0.7		1217	352	1059	274	928	223	671	151	616	140
0.8		1187	362	1026	283	892	231	623	157	566	146
0.9		1158	371	995	292	854	240	578	163	519	151
1.0		1128	381	962	302	814	248	532	169	464	156

A97UH1E080C16SK PERFORMANCE (Less Filter)											
External Static Pressure in. w.c.	Temp Rise	Air Volume / Watts at Various Blower Speeds									
	Rise Range °F	High		Medium-High		Medium		Medium-Low		Low	
		cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.1	30-60	1700	387	1489	274	1371	222	1289	193	1170	152
0.2		1664	400	1452	285	1331	233	1245	202	1123	161
0.3		1629	412	1413	296	1289	243	1202	211	1078	170
0.4		1596	424	1374	307	1248	252	1160	220	1031	178
0.5		1561	436	1337	317	1209	262	1117	229	987	186
0.6		1528	448	1300	328	1168	272	1073	237	933	194
0.7		1494	459	1261	338	1126	281	1029	246	885	201
0.8		1459	470	1221	347	1083	290	989	255	842	209
0.9		1425	482	1181	358	1042	299	949	264	798	217
1.0		1388	493	1142	368	1004	308	908	273	748	225

DIMENSIONS (IN.)



	Model	A	B	C	D
Upflow / Horizontal	A97UH1E030B12SK	17-1/2	16-3/8	16	7-5/8
	A97UH1E060B12SK	17-1/2	16-3/8	16	7-5/8
	A97UH1E080C16SK	21	19-7/8	19-1/2	9-3/8

ACCESSORY LIST

Catalog Number	Description
External Filter Rack kits	
1.841018	1 pack (16 x 25)
1.841039	10 pack (16 x 25)
Natural to LP kits	
32H22	1-Stage
32H25	High Altitude 1-Stage
17H62	30K BTUH
High Altitude Pressure Switch Kits	
11U66	4,501 - 7,500 ft [030]
11U70	4,501 - 7,500 ft [060, 080]
11U69	7,501 - 10,000 ft [030]
11U68	7,501 - 10,000 ft [060]
11U64	7,501 - 10,000 ft [080]
Return Air Base	
68W62	17.5" B Width
68W63	21.0" C Width
Horizontal Suspension Kit	
51W10	80% & 90% Kit
Flush Mount Termination (90% Furnaces only) US Only	
51W11	2" & 3" Vent Version
Concentric Vent Kit (90% Furnaces only) US Only	
71M80	1-1/2" Vent Version
69M29	2" Vent Version
60L46	3" Vent Version
Concentric Vent Kit (90% Furnaces only) Canada Only	
44W92	1-1/2" and 2" Vent Version
44W93	3" Vent Version
Transformer (75VA)	
27J32	Recommended when furnace is used with zoning or defrost thermostats and other 24V accessories requiring a higher VA rating
	Circuit breaker (furnished) is wired in series
	Replaces the standard 40VA transformer

For vent length and clearances to combustibles, please reference installation instructions.



1-800-448-5872

All specifications and illustrations subject to change without notice and without incurring obligations.