

97G1EK

PRODUCT SPECIFICATIONS

SINGLE STAGE CONSTANT TORQUE MOTOR

FORM NO. 97G1EK-100 (08/2026)



CONFIGURATIONS

- Upflow / Horizontal

HEAT EXCHANGER DESIGN

- Aluminized 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.

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
- Design certified for direct and non-direct vent applications
- 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

WARRANTY

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

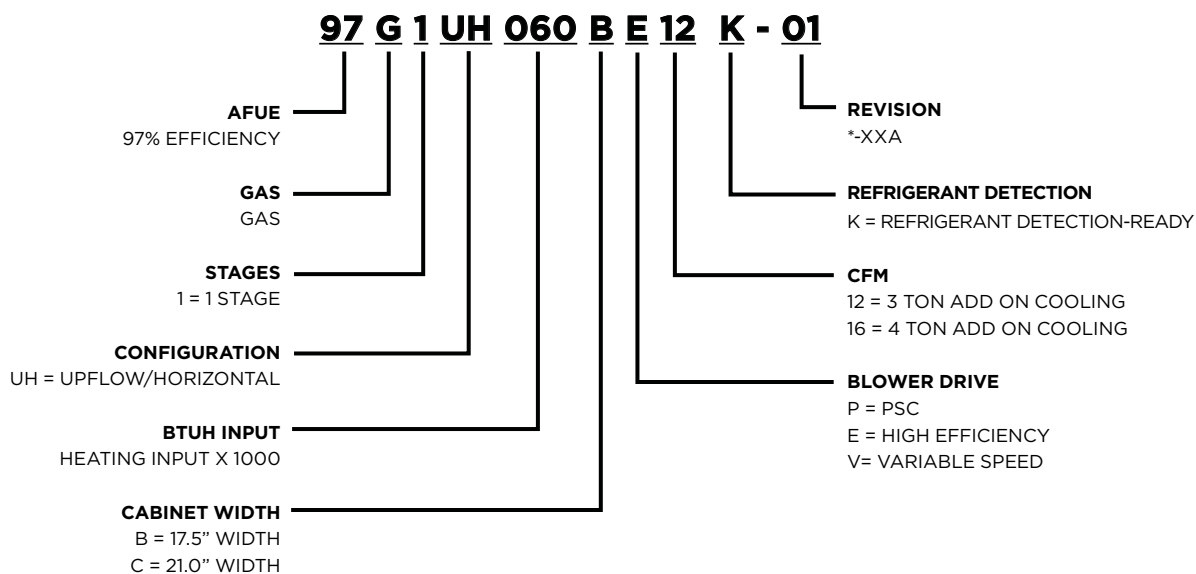
California Only

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	97G1UH030BE12K	30,000	29,000	97%	3 Ton	1/2	120-60-1	15	6.8	40	120
	97G1UH060BE12K	60,000	59,000	97%	3 Ton	1/2	120-60-1	15	6.8	40	129
	97G1UH080CE16K	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.

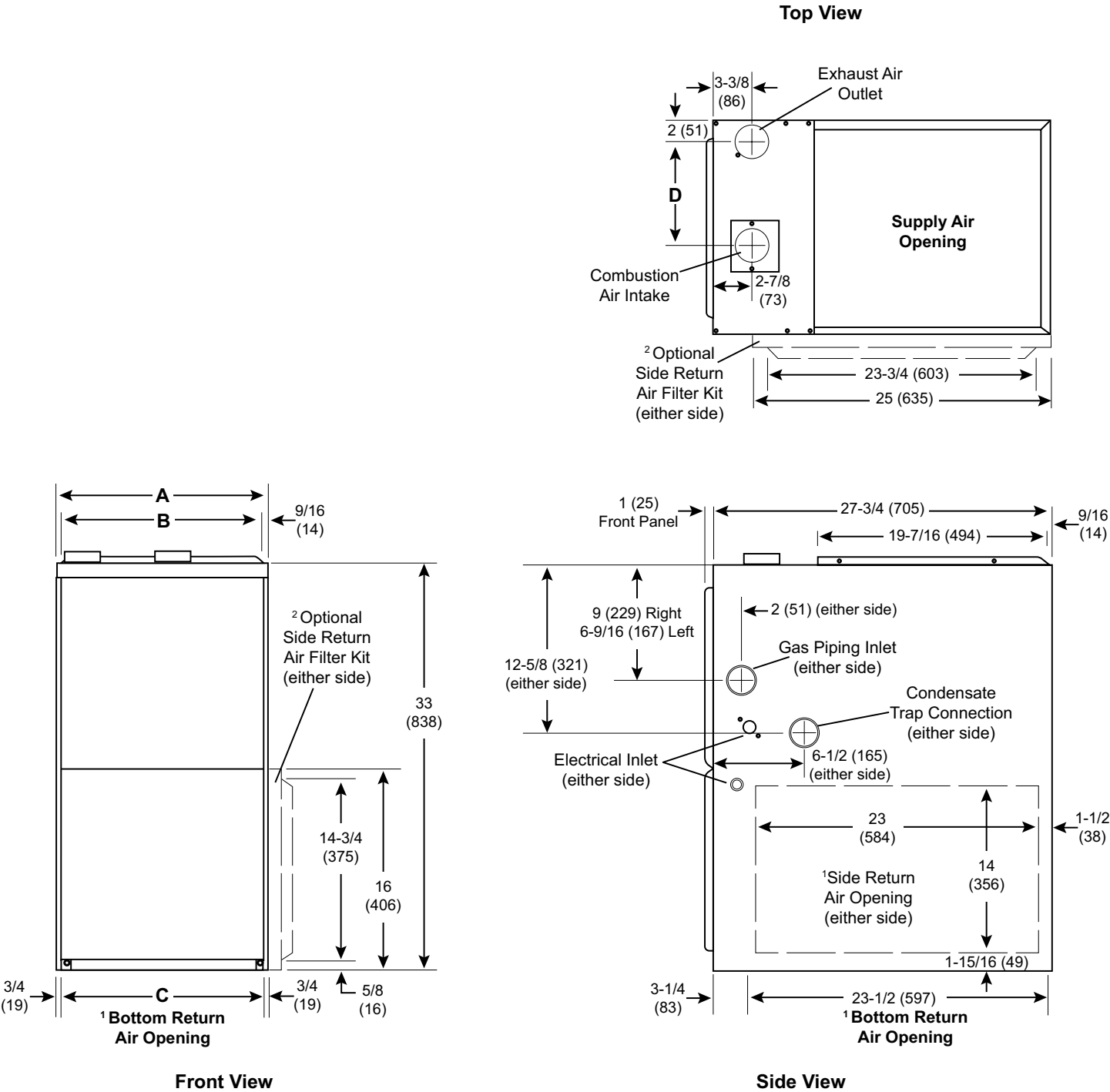
BLOWER PERFORMANCE DATA UPFLOW / HORIZONTAL

97G1UH030BE12K 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

97G1UH060BE12K 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
0.10	30-60	1404	347	1256	256	1145	196	913	114	864	98
0.20		1374	361	1218	266	1102	206	870	119	811	103
0.30		1350	370	1192	278	1081	216	821	131	766	114
0.40		1319	384	1157	290	1043	225	780	136	721	123
0.50		1286	399	1133	300	1008	241	744	145	680	133
0.60		1241	393	1104	312	982	249	702	153	637	138
0.70		1169	373	1066	321	946	261	658	163	601	148
0.80		1064	341	1013	315	914	269	616	172	552	152
0.90		925	310	857	279	860	272	581	178	514	160
1.00		753	261	705	244	754	253	515	191	478	167

97G1UH080CE16K 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
0.10	30-60	1684	395	1480	264	1356	209	1269	180	1147	142
0.20		1645	410	1448	281	1323	226	1236	191	1101	149
0.30		1626	422	1414	295	1294	238	1195	204	1070	162
0.40		1593	435	1381	307	1245	253	1158	213	1022	172
0.50		1564	451	1347	322	1210	261	1120	225	983	182
0.60		1529	465	1308	335	1175	274	1084	237	943	193
0.70		1481	463	1288	346	1143	288	1039	250	897	204
0.80		1395	442	1247	359	1103	297	1003	262	860	214
0.90		1290	412	1211	369	1067	309	960	272	813	225
1.00		1123	361	1097	351	1011	319	917	281	772	230

DIMENSIONS (IN.)



	Model	A	B	C	D
Upflow / Horizontal	97G1UH030BE12K	17-1/2	16-3/8	16	7-5/8
	97G1UH060BE12K	17-1/2	16-3/8	16	7-5/8
	97G1UH080CE16K	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.