



GE APPLIANCES

Product Specifications

NF95X*S**R**

95% Single Stage Constant
Torque Ultra Low NOx
Gas Furnace



**READ CAREFULLY.
KEEP THESE INSTRUCTIONS.**

NF95X***S**R

PRODUCT SPECIFICATIONS

CONFIGURATIONS

- Upflow / Horizontal only

HEAT EXCHANGER DESIGN

- Aluminized steel, tubular primary heat exchanger. Secondary heat exchanger constructed of aluminum fins fitted to stainless steel tubes.

BURNER

- Pre-mix burner provides optimal combustion to meet NOx emission requirements.

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.

DESCRIPTION

The NF95XS model is a 95% AFUE gas furnace used for upflow or horizontal applications only, manufactured with aluminized steel tubular heat exchangers. NF95XS units are available in heating inputs of 40,000 to 100,000 Btuh and cooling applications up to 5 tons. Units are approved for installations up 7500 feet above sea level and factory equipped for use with natural gas only. The NF95XS is a single-stage gas furnace with high efficiency constant torque blower motor. These furnaces meet the California Ultra Low Nitrogen Oxides (NOx) Standards (14ng/J) and California Seasonal Efficiency requirements. All units use a redundant gas valve to assure safety shut-off as required by C.S.A. All specifications are subject to change without notice.

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
- Refrigerant leak detection with connections for Sensors

VENTING

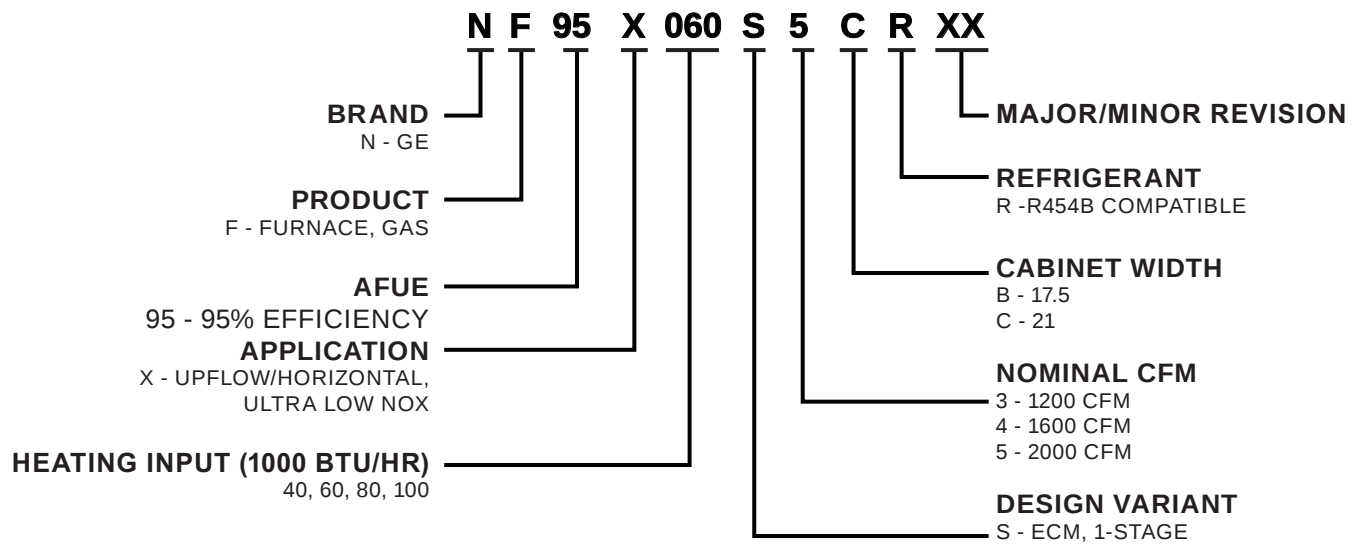
- Designed certified for direct (2-pipe) and non direct (1-pipe) applications
- Easily vented with PVC pipe

INSTALLATION FEATURES

- Left or right electrical connection
- Design certified for direct and non-direct vent application
- Zero step horizontal conversion
- Removable floor base for bottom return air
- Complies with California's South Coast Air Quality Management district Ultra Low NOx requirements



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)
NF95X040S	40,000	39,000	95%	3 Ton	1/2	120-60-1	15	6.8	40	122
NF95X060S	60,000	58,000	95%	3 Ton	1/2	120-60-1	15	6.8	40	128
NF95X080S	80,000	78,000	95%	4 Ton	1/2	120-60-1	15	8.4	40	148
NF95X100S	100,000	97,000	95%	5 Ton	1/2	120-60-1	15	10.9	40	157

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

BLOWER PERFORMANCE DATA

NF95X040S PERFORMANCE (Less Filter)										
External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	1413	358	1257	255	1155	202	914	114	871	97
0.20	1385	366	1231	267	1124	214	875	120	820	106
0.30	1354	383	1199	277	1091	223	832	130	776	114
0.40	1336	396	1171	289	1062	232	791	137	740	124
0.50	1280	392	1140	301	1019	244	751	148	684	131
0.60	1211	375	1111	307	985	254	702	158	642	140
0.70	1129	351	1071	323	959	263	658	163	589	147
0.80	1009	319	996	309	917	275	613	172	555	151
0.90	846	273	858	273	812	259	575	178	509	158
1.00	730	246	719	245	702	236	530	185	466	166

NF95X060S PERFORMANCE (Less Filter)										
External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	1416	339	1253	249	1145	194	904	109	856	96
0.20	1395	351	1223	258	1118	205	865	118	812	103
0.30	1369	364	1198	270	1083	212	830	127	777	111
0.40	1342	377	1169	279	1055	222	793	134	744	117
0.50	1321	384	1141	289	1024	230	756	143	698	126
0.60	1292	396	1117	300	996	242	718	151	664	133
0.70	1246	395	1091	307	965	251	673	157	615	142
0.80	1179	376	1065	316	934	262	635	164	576	147
0.90	1082	349	1020	323	906	267	594	171	533	155
1.00	975	318	927	300	875	275	565	177	504	161

Note: See installation instructions for proper blower setup.

BLOWER PERFORMANCE DATA

NF95X080S PERFORMANCE (Less Filter)										
External Static Pressure in. w.g.	Air Volume / Watts at Various Blower Speeds									
	High		Medium-High		Medium		Medium-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	1651	400	1441	286	1314	225	1236	189	1114	151
0.20	1622	414	1419	303	1286	241	1201	204	1077	160
0.30	1603	433	1386	316	1253	254	1163	217	1038	174
0.40	1581	452	1355	331	1222	265	1122	229	996	172
0.50	1548	467	1322	347	1182	278	1094	240	948	188
0.60	1522	479	1293	358	1157	290	1053	252	908	195
0.70	1441	465	1258	371	1104	304	1011	264	876	203
0.80	1341	435	1211	382	1083	312	984	271	827	222
0.90	1228	403	1159	372	1037	324	938	281	799	230
1.00	1132	377	1034	342	987	323	913	291	769	239

NF95X100S PERFORMANCE (Less Filter)										
External Static Pressure in. w.g.	Air Volume / Watts at Different Blower Speeds									
	Bottom Return Air, Side Return Air with Return Air from Both Sides or Return Air from Bottom and One Side.									
	High		Med-High		Medium		Med-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	2064	683	1822	466	1662	363	1559	306	1387	222
0.20	2034	700	1793	480	1621	379	1520	318	1337	233
0.30	1997	715	1750	497	1587	390	1479	330	1297	244
0.40	1967	730	1719	513	1548	402	1447	341	1254	254
0.50	1940	739	1682	525	1514	415	1400	354	1205	266
0.60	1867	729	1649	537	1469	428	1362	364	1162	275
0.70	1794	701	1615	552	1441	436	1326	375	1125	285
0.80	1706	668	1581	567	1399	451	1280	387	1077	295
0.90	1596	624	1532	574	1366	463	1249	397	1039	301
1.00	1490	584	1455	554	1329	474	1210	407	993	312

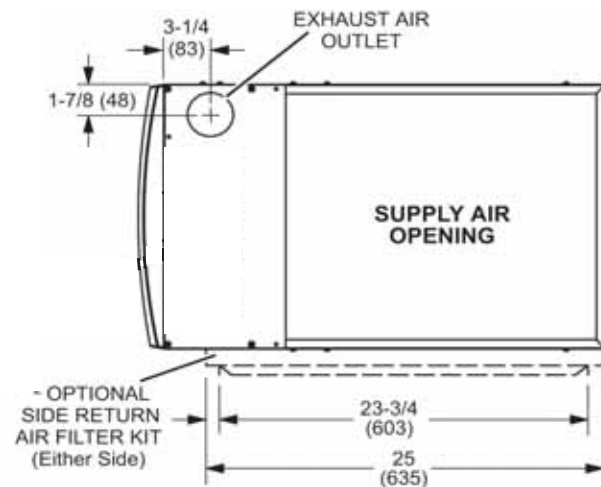
BLOWER PERFORMANCE DATA (NF95X100 CONT.)

External Static Pressure in. w.g.	Air Volume / Watts at Different Blower Speeds									
	Single Side Return Air – Air volumes equal to or above 1800 CFM require Optional Return Air Base <u>and</u> field fabricated transition to accommodate 20 x 25 x 1 in. air filter in order to maintain proper air velocity.									
	High		Med-High		Medium		Med-Low		Low	
	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts	cfm	Watts
0.10	2045	678	1837	466	1648	366	1527	300	1358	218
0.20	2009	698	1765	482	1611	377	1489	315	1313	228
0.30	1981	713	1737	497	1574	391	1448	327	1270	240
0.40	1954	729	1701	508	1535	402	1419	337	1224	251
0.50	1951	740	1663	522	1501	414	1378	349	1186	261
0.60	1859	731	1625	538	1457	428	1338	360	1139	273
0.70	1787	706	1596	550	1418	438	1298	367	1090	284
0.80	1697	674	1553	565	1383	452	1262	383	1065	288
0.90	1604	635	1524	572	1344	463	1223	395	1017	302
1.00	1482	586	1444	552	1318	475	1183	406	973	310

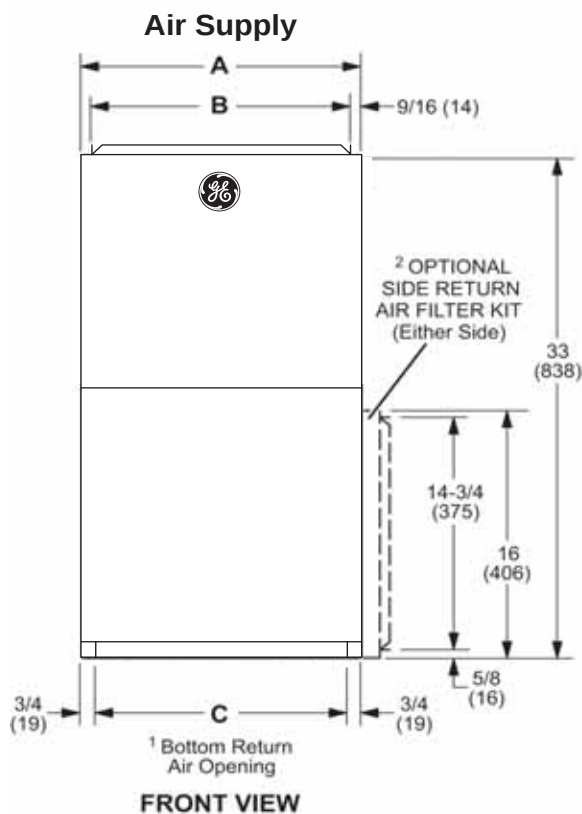
Note: See installation instructions for proper blower setup.

DIMENSIONS (IN.)

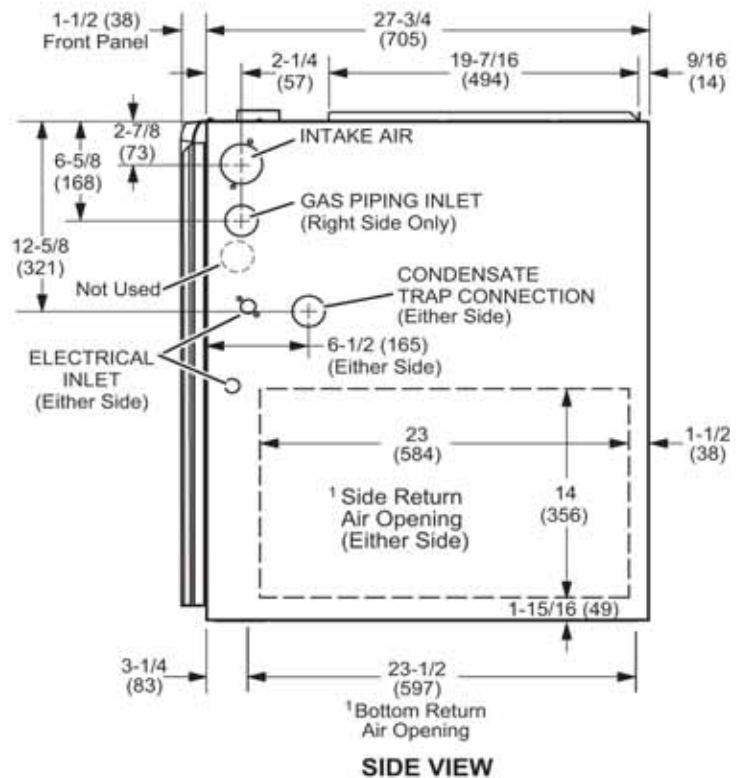
Model	A	B	C	D
NF95X040S	17-1/2	16-3/8	16	7-5/8
NF95X060S	17-1/2	16-3/8	16	7-5/8
NF95X080S	21	19-7/8	19-1/2	9-3/8
NF95X100S	21	19-7/8	19-1/2	9-3/8



TOP VIEW

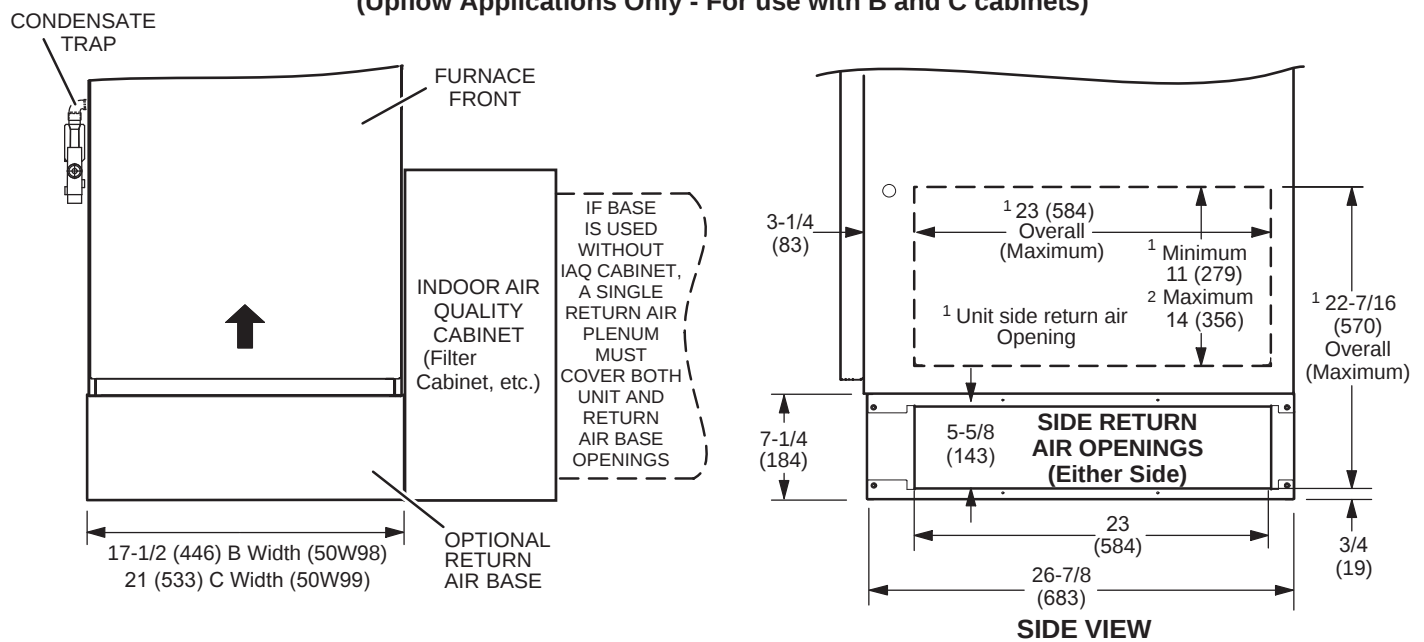


FRONT VIEW



SIDE VIEW

**Optional Return Air Base
(Upflow Applications Only - For use with B and C cabinets)**



NOTE- Optional Side Return Air Filter Kits are not for use with Optional Return Air Base.

¹ Both the unit return air opening and the base return air opening must be covered by a single plenum or IAQ cabinet. Minimum unit side return air opening dimensions for units requiring 1800 cfm or more of air (W x H): 23 x 11 in. (584 x 279 mm). The opening can be cut as needed to accommodate plenum or IAQ cabinet while maintaining dimensions shown. Side return air openings must be cut in the field. There are cutting guides stenciled on the cabinet for the side return air opening. The size of the opening must not extend beyond the markings on the furnace cabinet.

² To minimize pressure drop, the largest opening height possible, up to 14 in. (356 mm), is preferred.

ACCESSORY LIST

CATALOG NUMBER	DESCRIPTION
RETURN AIR BASE	
68W62	17.5" B Width
68W63	21.0" C Width
Flush Mount Termination (90% Furnaces only) US Only	
51W11	2" & 3" Vent Version
CONCENTRIC VENT (90% FURNACES ONLY) US ONLY	
71M80	1-1/2" Vent Version
69M29	2" Vent Version
60L46	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

		Natural Gas High Altitude Conversion Kit			Pressure Switch			LP High Alt. Conversion Kit		
MODEL NUMBER	Description	0-4500	4500-7500	7500-10,000	0-4500	4500-7500	7500-10,000	0-4500	4500-7500	7500-10,000
NF95X040S3B	95% Upflow 1-Stage ULN ECM	These units are approved from 0-7500'. They are NOT approved for installations over 7500'		N/A	Not Required			N/A		
NF95X060S3B										
NF95X080S4C										
NF95X100S5C										

Note: LP conversion kits are not available for these units.



GE APPLIANCES

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

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