

# ABA SERIES +80 AFUE GAS FURNACES



Model	Btuh In	W x D x H (In.)	.5 Cfm	Vent	NOX
ABA040NI2R	40,000	14.5 x 28.8 x 31.6	805	3"	Yes
ABA040NI3R	40,000	14.5 x 28.8 x 31.6	1265	3"	Yes
ABA060NI2R	60,000	14.5 x 28.8 x 31.6	850	4"	Yes
ABA060NI3R	60,000	14.5 x 28.8 x 31.6	1260	4"	Yes
ABA060NI4R	60,000	17.5 x 28.8 x 31.6	1635	4"	Yes
ABA080NI2R	80,000	14.5 x 28.8 x 31.6	920	4"	Yes
ABA080NI3R	80,000	14.5 x 28.8 x 31.6	1230	4"	Yes
ABA080NI4R	80,000	17.5 x 28.8 x 31.6	1645	4"	Yes
Model	Btuh In	W x D x H (in.)	.5 Cfm	Vent	NOX
ABA080NI5R	80,000	20.5 x 28.8 x 31.6	1930	4"	Yes
ABA100NI3R	100,000	17.5 x 28.8 x 31.6	1250	4'	Yes
ABA100NI4R	100,000	17.5 x 28.8 x 31.6	1580	4"	Yes
ABA100NI5R	100,000	20.5 x 28.8 x 31.6	1950	4"	Yes
ABA100NI6R	100,000	23.5 x 28.8 x 31.6	1950	4"	Yes
ABA120NI4R	120,000	20.5 x 28.8 x 31.6	1655	4"	Yes
ABA120NI5R	120,000	20.5 x 28.8 x 31.6	1965	4"	Yes
ABA140NI4R	140,000	23.5 x 28.8 x 31.6	1860	4"	No
ABA140NI5R	140,000	23.5 x 28.8 x 31.6	2235	4"	No

## COMPACT DESIGN: 31 5/8" HEIGHT & 28 7/8" DEPTH

**Versatile** One model fits any need, upflow, horizontal, or (with an easy 10-minute conversion) downflow. Available from 40,000 to 140,000 Btuh, and 2 through 6 tons of air-flow.

**Efficient** Computer designed heat exchanger and burner system provide quiet, dependable 80%+ heating efficiency

**Compact** Fits anywhere, Only 31 5/8" tall. Allows space for add-on equipment including new 13 SEER coils. Perfect for retrofits.

**Quiet** Four-speed split capacitor blower motor provides quiet comfort to meet individual heating and culling needs throughout the home.

**Quick and Easy** to install and service. Return duct can enter from right, left or bottom on all sides.

**Proven** The SparkLite ignition system provides reliable, efficient ignition using direct spark to light the main burners.

**Self Diagnostics** The fan timer features self-diagnostics and monitors all furnace functions for reliable operation. Accessory terminals are provided for electronic air cleaners. Humidifiers can be added.

**Propane (LP) Adaptable** Propane kits are available, and conversion requires only a quick 10 minutes in the field.

**Casing** Painted heavy-duty galvanized steel for the ultimate corrosion resistance and attractive appearance.

**Reliable** Every sub-assembly is test fired before it is installed in the furnace and every furnace is put through a 34-step, computer-controlled run test before it leaves the factory

**Warranty** is 20 years on heat exchangers and 5 years on all other parts (See warranty statement)

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## Upflow-Downflow-Horizontal Installations

Blower Performance Application Data (C.F.M. data is based on units with filters in place)												
Model Number	Motor-HP Type Speed	Blower Size	Temp Rise	Motor FLA	Motor Speed	Tons AC @ 5W.C.	CFM vs External Static Pressure (IN WC)					
							.1	.2	.3	.4	.5	.6
ABA040NI2R ABA040NI2RX	1/4 PSC 4 SPD	10-4	50-80	4.0	HI	20.0	1000	950	900	850	805	730
					MH	1.5	890	845	800	760	710	640
					ML	1.0	715	675	635	605	550	
					LO	-	475	435	390	-		
ABA040NI3R ABA040NI3RX	1/3 PSC 4 SPD	10-6	30-60	6.5	HI	3.0	1500	1450	1380	1340	1265	1180
					MH	2.5	1200	1160	1130	1100	1040	980
					ML	2.0	920	905	875	850	810	770
					LO	1.5	705	690	670	640	615	560
ABA060NI2R ABA060NI2RX	1/4 PSC 4 SPD	10-4	45-75	4.0	HI	2.0	1040	1000	935	910	850	755
					MH	1.5	915	875	835	800	735	640
					ML	1.5	740	710	670	635	560	
					LO	-	475	450	410			
ABA060NI3R ABA060NI3RX	1/3 PSC 4 SPD	10-6	45-75	6.7	HI	3.0	1485	1435	1375	1340	1260	1170
					MH	2.5	1175	1160	1125	1070	1035	970
					ML	2.0	900	880	860	840	800	780
					LO	1.5	690	675	650	625	600	565
ABA060NI4R ABA060NI4RX	1/2 PSC 4 SPD	10-8	35-65	8.0	HI	4.0	1930	1870	1800	1705	1635	1560
					MH	3.5	1510	1505	1490	1440	1410	1355
					ML	3.0	1220	1230	1225	1220	1215	1175
					LO	2.5	910	930	980	1020	1025	1015
ABA080NI2R ABA080NI2RX	1/4 PSC 4 SPD	10-4	50-80	4.3	HI	2.0	1155	1105	1050	985	920	850
					MH	1.5	925	900	860	830	770	715
					ML	1.5	740	715	690	660	630	575
					LO	-	490	465	430			
ABA080NI3R ABA080NI3RX	1/3 PSC 4 SPD	10-6	40-70	6.5	HI	3.0	1500	1445	1390	1320	1230	1150
					MH	2.5	1200	1170	1135	1095	1035	970
					ML	2.0	920	900	870	850	810	775
					LO	1.5	705	690	670	635	620	570
ABA080NI4R ABA080NI4RX	1/2 PSC 4 SPD	10-8	50-80	8.0	HI	4.0	1910	1840	1800	1720	1645	1560
					MH	3.5	1505	1495	1470	1445	1395	1345
					ML	3.0	1170	1200	1205	1200	1200	1150
					LO	2.5	890	920	950	965	990	985
ABA080NI5R ABA080NI5RX	3/4 PSC 4SPD	Dual 10-4	40-70	9.3	HI	5.0	2305	2235	2140	2040	1930	1800
					MH	4.0	1630	1650	1630	1610	1560	1490
					ML	3.5	1315	1355	1385	1370	1365	1330
					LO	3.0	1000	1060	1110	1145	1155	1140
ABA100NI3R ABA100NI3RX	1/3 PSC 4 SPD	10-6	55-85	6.4	HI	3.0	1525	1475	1425	1340	1250	1165
					MH	2.5	1240	1220	1175	1130	1060	1000
					ML	2.0	965	955	935	900	860	800
					LO	1.5	750	935	720	690	650	620
ABA100NI4R ABA100NI4RX	1/2 PSC 4 SPD	10-8	50-80	8.0	HI	4.0	1875	1810	1735	1660	1580	1495
					MH	3.5	1530	1500	1470	1415	1380	1310
					ML	3.0	1200	1235	1230	1225	1205	1150
					LO	2.5	965	975	1005	1005	990	940
ABA100NI5R ABA100NI5RX	3/4 PSC 4SPD	Dual 10-4	40-70	9.3	HI	5.0	2315	2245	2165	2050	1950	1850
					MH	4.0	1610	1650	1655	1615	1565	1535
					ML	3.5	1300	1360	1390	1400	1390	1335
					LO	3.0	965	1060	1075	1120	1135	1150
ABA100NI6R ABA100NI6RX	3/4 PSC 4SPD	Dual 10-6	35-65	9.4	HI	5.0	2550	2518	2468	2336	2210	2092
					MH	4.0	1910	1893	1825	1745	1689	1661
					ML	3.5	1615	1589	1522	1474	1446	1380
					LO	3.0	1424	1380	1318	1286	1246	1186
ABA120NI5R ABA120NI5RX	3/4 PSC 4SPD	Dual 10-4	45-75	8.8	HI	5.0	2175	2100	2060	2035	1965	1850
					MH	4.0	1535	1525	1525	1580	1540	1475
					ML	3.0	1325	1305	1340	1340	1340	1300
					LO	2.5	995	1035	1070	1110	1110	1125
ABA140NI4R	3/4 PSC 4SPD	Dual 10-4	45-75	8.8	HI	4.5	2360	2250	2140	2020	1860	1725
					MH	4.0	1765	1765	1735	1675	1585	1490
					ML	3.5	1325	1375	1400	1400	1375	1300
					LO	2.5	975	1035	1080	1080	1080	1080
ABA140NI5R	3/4 PSC 4SPD	Dual 10-6	50-80	9.4	HI	5.0	2445	2400	2390	2360	2235	2100
					MH	4.0	1725	1750	1765	1750	1715	1650
					ML	3.5	1375	1415	1440	1440	1440	1410
					LO	3.0	1110	1150	1190	1210	1200	1190

Airflow ratings are measured with washable air filters in place. Filters are not supplied with furnace. Note: Specifications are subject to change without notice.