

90+ High Efficiency Series

+90% AFUE Efficiency Furnace



PERFORMANCE:

Efficiency rating of +90% AFUE
Upflow, downflow and horizontal
GAMA efficiency rating certified

FEATURES:

Specially designed to use the heat that other furnaces waste.
Unique design gives you over 90% of the heat in the gas you use.
A real money saver with today's high gas prices.

Furnace control module features self-diagnostics and monitors all furnace functions for reliable operation.

Accessory terminals are provided for humidifiers and electronic air cleaners.

Computer enhanced design and rigorous testing ensures system reliability. Reliability is designed-in, and confirmed by thousands of hours of field testing.

Less than 40" tall, and fits nearly anyplace. Perfect for retro-fit and new construction.

Powerful four-speed split capacitor blower motor operates quietly, yet easily provides all the air volume needed to meet your heating and cooling needs.

Quick and easy to install and service. System return duct can enter from right, left, or bottom, on all sizes through five tons of air conditioning.

Proven reliable in tens of thousands of installations. Every furnace is test fired and must pass 34 computer checks before leaving the factory.

Propane kits are available. Conversion to L.P. or natural gas requires only a quick 10 minutes.

Most parts are made from either galvanized or aluminized steel. The attractive exterior cabinet is painted for further durability.

The durable heat exchanger is constructed of heavy aluminized steel joined to tough stainless steel in an exclusive, weld-free process - an extremely reliable combination.

Your Investment is protected by a 20-year limited warranty on the furnace heat exchanger, and a 5-year limited warranty on all other parts. Check the equipment warranty for details.

Our innovative design makes for quick and easy connection of both the electrical and the gas line.

90+ High Efficiency Series

SPECIFICATIONS EVSA & EVCA SERIES UPFLOW MODELS

MODEL NUMBER (Note 2, 3)	BTUH Input	BTUH Output	AFUE Rating	Dimensions			Shipping Weight	Vent Size (Note 1)	Air Openings	
				Depth	Width	Height			Return	Supply
EVSA054NH3R(X)	54,000	49,300	90.9%	28 13/16"	17 1/2"	39 5/8"	122	2"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVCA054NH3R(H)	54,000	49,300	90.9%	28 13/16"	17 1/2"	39 5/8"	122	2"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVSA072NH3R(X)	72,000	65,700	90.9%	28 13/16"	17 1/2"	39 5/8"	131	2" or 3"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVCA072NH3R(H)	72,000	65,700	90.9%	28 13/16"	17 1/2"	39 5/8"	131	2" or 3"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVSA072NH4R(X)	72,000	65,700	90.9%	28 13/16"	20 1/2"	39 5/8"	141	2" or 3"	18 7/8" x 18 3/4"	18 15/16" x 18 15/16"
EVCA072NH4R(H)	72,000	65,700	90.9%	28 13/16"	20 1/2"	39 5/8"	141	2" or 3"	18 7/8" x 18 3/4"	18 15/16" x 18 15/16"
EVSA090NH3R(X)	90,000	82,100	90.9%	28 13/16"	17 1/2"	39 5/8"	145	2" or 3"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVCA090NH3R(H)	90,000	82,100	90.9%	28 13/16"	17 1/2"	39 5/8"	145	2" or 3"	18 7/8" x 15 3/4"	18 15/16" x 15 15/16"
EVSA090NH4R(X)	90,000	82,100	90.9%	28 13/16"	20 1/2"	39 5/8"	150	2" or 3"	18 7/8" x 18 3/4"	18 15/16" x 18 15/16"
EVCA090NH4R(H)	90,000	82,100	90.9%	28 13/16"	20 1/2"	39 5/8"	150	2" or 3"	18 7/8" x 18 3/4"	18 15/16" x 18 15/16"
EVSA108NH5R(X)	108,000	98,600	90.9%	28 13/16"	23 1/2"	39 5/8"	174	3"	18 7/8" x 21 3/4"	18 15/16" x 21 15/16"
EVCA108NH5R(H)	108,000	98,600	90.9%	28 13/16"	23 1/2"	39 5/8"	174	3"	18 7/8" x 21 3/4"	18 15/16" x 21 15/16"
EVSA126NH5R(X)	126,000	115,000	90.9%	28 13/16"	23 1/2"	39 5/8"	193	3"	18 7/8" x 21 3/4"	18 15/16" x 21 15/16"
EVCA126NH5R(H)	126,000	115,000	90.9%	28 13/16"	23 1/2"	39 5/8"	193	3"	18 7/8" x 21 3/4"	18 15/16" x 21 15/16"

SPECIFICATIONS CSA & CCA SERIES DOWNFLOW / HORIZONTAL MODELS

MODEL NUMBER (Note 2, 3)	BTUH Input	BTUH Output	AFUE Rating	Dimensions			Shipping Weight	Vent Size (Note 1)	Air Openings	
				Depth	Width	Height			Return	Supply
CSA054NH3R(X)	54,000	48,900	90.4%	28 13/16"	17 1/2"	39 5/8"	122	2"	20" x 15 15/16"	19" x 15 3/4"
CCA054NH3R(H)	54,000	48,900	90.4%	28 13/16"	17 1/2"	39 5/8"	122	2"	20" x 15 15/16"	19" x 15 3/4"
CSA072NH3R(X)	72,000	65,200	90.4%	28 13/16"	17 1/2"	39 5/8"	131	2" or 3"	20" x 15 15/16"	19" x 15 3/4"
CCA072NH3R(H)	72,000	65,200	90.4%	28 13/16"	17 1/2"	39 5/8"	131	2" or 3"	20" x 15 15/16"	19" x 15 3/4"
CSA072NH4R(X)	72,000	65,200	90.4%	28 13/16"	20 1/2"	39 5/8"	141	2" or 3"	20" x 18 15/16"	19" x 18 3/4"
CCA072NH4R(H)	72,000	65,200	90.4%	28 13/16"	20 1/2"	39 5/8"	141	2" or 3"	20" x 18 15/16"	19" x 18 3/4"
CSA090NH3R(X)	90,000	81,400	90.4%	28 13/16"	17 1/2"	39 5/8"	145	2" or 3"	20" x 15 15/16"	19" x 15 3/4"
CCA090NH3R(H)	90,000	81,400	90.4%	28 13/16"	17 1/2"	39 5/8"	145	2" or 3"	20" x 15 15/16"	19" x 15 3/4"
CSA090NH4R(X)	90,000	81,400	90.4%	28 13/16"	20 1/2"	39 5/8"	150	2" or 3"	20" x 18 15/16"	19" x 18 3/4"
CCA090NH4R(H)	90,000	81,400	90.4%	28 13/16"	20 1/2"	39 5/8"	150	2" or 3"	20" x 18 15/16"	19" x 18 3/4"
CSA108NH5R(X)	108,000	97,700	90.4%	28 13/16"	23 1/2"	39 5/8"	174	3"	20" x 21 15/16"	19" x 21 3/4"
CCA108NH5R(H)	108,000	97,700	90.4%	28 13/16"	23 1/2"	39 5/8"	174	3"	20" x 21 15/16"	19" x 21 3/4"
CSA126NH5R(X)	126,000	114,000	90.4%	28 13/16"	23 1/2"	39 5/8"	193	3"	20" x 21 15/16"	19" x 21 3/4"
CCA126NH5R(H)	126,000	114,000	90.4%	28 13/16"	23 1/2"	39 5/8"	193	3"	20" x 21 15/16"	19" x 21 3/4"

Note 1 Vent size depends upon vent length and number of elbows. Consult Installation Instructions for details.

Note 2 "X" denotes California low NOx model.

Note 3 "H" denotes Canadian high altitude model.

Note 4 For shipping dimensions, add 1 1/16" to the depth, 1" to the width and 3 1/2" to the height.

SPECIFICATIONS EVSA & EVCA SERIES UPFLOW MODELS

MODEL NUMBER (Note 2, 3)	Temp. Rise	Motor H.P.	Motor FLA	Blower Size	A/C Airflow	Motor Speed	Airflow @ Static Pressure CFM @ Resistance Measured in Inches of W.C.					
							0.1	0.2	0.3	0.4	0.5	0.6
EVSA054NH3R(X)	35-65	1/3	6.4	10 x 6	3-tons	HI	1417	1361	1296	1222	1140	1057
EVCA054NH3R(H)	35-65	1/3	6.4	10 x 6	3-tons	MED HI	1260	1230	1173	1110	1042	952
						MED LOW	875	879	868	845	805	744
						LOW	610	625	629	620	594	556
EVSA072NH3R(X)	35-65	1/2	7.8	10 x 8	3-tons	HI	1614	1546	1463	1386	1299	1215
EVCA072NH3R(H)	35-65	1/2	7.8	10 x 8	3-tons	MED HI	1614	1546	1463	1386	1299	1215
						MED LOW	1309	1271	1226	1168	1091	1026
						LOW	1031	1018	989	948	902	843
EVSA072NH4R(X)	30-60	3/4	7.4	2-10 x 4	4-tons	HI	1937	1843	1737	1630	1507	1379
EVCA072NH4R(H)	30-60	3/4	7.4	2-10 x 4	4-tons	MED HI	1722	1647	1550	1457	1353	1201
						MED LOW	1559	1501	1425	1347	1248	1115
						LOW	1364	1334	1275	1206	1126	1016
EVSA090NH3R(X)	45-75	1/2	8	10 x 8	3-tons	HI	1632	1562	1491	1400	1316	1225
EVCA090NH3R(H)	45-75	1/2	8	10 x 8	3-tons	MED HI	1632	1562	1491	1400	1316	1225
						MED LOW	1331	1291	1254	1182	1118	1041
						LOW	1044	1029	995	960	917	864
EVSA090NH4R(X)	35-65	3/4	7.8	2-10 x 4	4-tons	HI	2019	1971	1888	1789	1683	1494
EVCA090NH4R(H)	35-65	3/4	7.8	2-10 x 4	4-tons	MED HI	1758	1692	1618	1533	1416	1251
						MED LOW	1549	1496	1440	1369	1251	1123
						LOW	1342	1294	1249	1188	1120	1008
EVSA108NH5R(X)	35-65	3/4	8.3	2-10 x 6	5-tons	HI	2260	2167	2060	1931	1807	1663
EVCA108NH5R(H)	35-65	3/4	8.3	2-10 x 6	5-tons	MED HI	2260	2167	2060	1931	1807	1663
						MED LOW	2024	1942	1845	1736	1621	1484
						LOW	1628	1576	1521	1437	1342	1233
EVSA126NH5R(X)	45-75	3/4	9.5	2-10 x 6	5-tons	HI	2314	2219	2084	1963	1827	1684
EVCA126NH5R(H)	45-75	3/4	9.5	2-10 x 6	5-tons	MED HI	2314	2219	2084	1963	1827	1684
						MED LOW	2024	1938	1833	1709	1603	1478
						LOW	1595	1541	1481	1412	1333	1226

SPECIFICATIONS CSA & CCA SERIES DOWNFLOW / HORIZONTAL MODELS

MODEL NUMBER (Note 2, 3)	Temp. Rise	Motor H.P.	Motor FLA	Blower Size	A/C Airflow	Motor Speed	Airflow @ Static Pressure CFM @ Resistance Measured in Inches of W.C.					
							0.1	0.2	0.3	0.4	0.5	0.6
CSA054NH3R(X)	30-60	1/3	6.6	10 x 6	3-tons	HI	1470	1409	1357	1285	1213	1137
CCA054NH3R(H)	30-60	1/3	6.6	10 x 6	3-tons	MED HI	1272	1249	1197	1160	1100	1021
						MED LOW	863	865	853	830	800	760
						LOW	624	629	623	615	592	560
CSA072NH3R(X)	30-60	1/2	8.6	10 x 8	3-tons	HI	1723	1652	1582	1481	1391	1297
CCA072NH3R(H)	30-60	1/2	8.6	10 x 8	3-tons	MED HI	1723	1652	1582	1481	1391	1297
						MED LOW	1385	1345	1304	1239	1190	1106
						LOW	1071	1060	1046	1021	982	926
CSA072NH4R(X)	25-55	3/4	7.5	2-10 x 4	4-tons	HI	1999	1878	1782	1673	1548	1426
CCA072NH4R(H)	25-55	3/4	7.5	2-10 x 4	4-tons	MED HI	1758	1675	1582	1485	1367	1248
						MED LOW	1605	1530	1443	1357	1266	1137
						LOW	1387	1342	1286	1220	1132	1026
CSA090NH3R(X)	45-75	1/2	8.2	10 x 8	3-tons	HI	1672	1598	1523	1438	1360	1260
CCA090NH3R(H)	45-75	1/2	8.2	10 x 8	3-tons	MED HI	1672	1598	1523	1438	1360	1260
						MED LOW	1360	1325	1275	1227	1152	1087
						LOW	1060	1051	1037	1006	968	915
CSA090NH4R(X)	35-65	3/4	7.8	2-10 x 4	4-tons	HI	2145	2050	1933	1806	1682	1549
CCA090NH4R(H)	35-65	3/4	7.8	2-10 x 4	4-tons	MED HI	1870	1792	1701	1601	1482	1367
						MED LOW	1672	1610	1545	1450	1363	1234
						LOW	1450	1413	1357	1298	1211	1099
CSA108NH5R(X)	35-65	3/4	8.8	2-10 x 6	5-tons	HI	2358	2264	2139	2020	1887	1726
CCA108NH5R(H)	35-65	3/4	8.8	2-10 x 6	5-tons	MED HI	2368	2264	2139	2020	1887	1762
						MED LOW	2065	1990	1900	1793	1668	1525
						LOW	1621	1584	1527	1463	1373	1264
CSA126NH5R(X)	40-70	3/4	8.6	2-10 x 6	5-tons	HI	2316	2207	2103	1964	1828	1682
CCA126NH5R(H)	40-70	3/4	8.6	2-10 x 6	5-tons	MED HI	2316	2207	2103	1964	1828	1682
						MED LOW	2063	1970	1862	1762	1628	1475
						LOW	1640	1590	1530	1446	1351	1225

Residential & Light Commercial 90+ AFUE Gas Furnace



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