

90+ High Efficiency Series

+90% AFUE Efficiency Furnace



Performance:

Efficiency rating of +90% AFUE

Upflow, downflow and horizontal configuration

GAMA efficiency rating certified

Features:

A 90% efficient furnace is 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

Less than 40" tall, and fits nearly anywhere. 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.

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

Fedders innovative design enables for quick and easy connection of both the electrical and the gas line

Warranty:

20-year limited warranty on the furnace heat exchanger

5-year limited warranty on all other parts

Product Specifications

SPECIFICATIONS FVSA & FVCA SERIES UPFLOW MODELS

MODEL NUMBER ① ②	BTUH Input	BTUH Output	AFUE Rating	Dimensions ④			Shipping Weight	Vent Size ③	Air Openings	
				Depth	Width	Height			Return	Supply
FVSA054NH3R(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"
FVCA054NH3R(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"
FVSA072NH3R(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"
FVCA072NH3R(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"
FVSA072NH4R(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"
FVCA072NH4R(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"
FVSA090NH3R(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"
FVCA090NH3R(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"
FVSA090NH4R(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"
FVCA090NH4R(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"
FVSA108NH5R(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"
FVCA108NH5R(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"
FVSA126NH5R(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"
FVCA126NH5R(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 FSA & FCA SERIES DOWNFLOW / HORIZONTAL MODELS

MODEL NUMBER ① ②	BTUH Input	BTUH Output	AFUE Rating	Dimensions ④			Shipping Weight	Vent Size ③	Air Openings	
				Depth	Width	Height			Return	Supply
FCSA054NH3R(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"
FCCA054NH3R(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"
FCSA072NH3R(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"
FCCA072NH3R(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"
FCSA072NH4R(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"
FCCA072NH4R(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"
FCSA090NH3R(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"
FCCA090NH3R(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"
FCSA090NH4R(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"
FCCA090NH4R(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"
FCSA108NH5R(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"
FCCA108NH5R(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"
FCSA126NH5R(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"
FCCA126NH5R(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"

NOTES:

- ① "X" denotes California low NO_x model.
- ② "H" denotes Canadian high altitude model.
- ③ Vent size depends upon vent length and number of elbows. Consult Installation Instructions for details.
- ④ For shipping dimensions, add 1 1/4" to the depth, 1 1/4" to the width and 3 1/2" to the height.

SPECIFICATIONS FVSA & FVCA SERIES UPFLOW MODELS

MODEL NUMBER ① ②	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
FVSA054NH3R(X)	35-65	1/3	6.4	10 x 6	3-tons	HI MED HI	1417 1260	1361 1230	1296 1173	1222 1110	1140 1042	1057 952
FVCA054NH3R(H)	35-65	1/3	6.4	10 x 6	3-tons	MED LOW LOW	875 610	879 625	868 629	845 620	805 594	744 556
FVSA072NH3R(X)	35-65	1/2	7.8	10 x 8	3-tons	HI MED HI	1614 1614	1546 1546	1463 1463	1386 1386	1299 1299	1215 1215
FVCA072NH3R(H)	35-65	1/2	7.8	10 x 8	3-tons	MED LOW LOW	1309 1031	1271 1018	1226 989	1168 948	1091 902	1026 843
FVSA072NH4R(X)	30-60	3/4	7.4	2-10 x 4	4-tons	HI MED HI	1937 1722	1843 1647	1737 1550	1630 1457	1507 1353	1379 1201
FVCA072NH4R(H)	30-60	3/4	7.4	2-10 x 4	4-tons	MED LOW LOW	1559 1364	1501 1334	1425 1275	1347 1206	1248 1126	1115 1016
FVSA090NH3R(X)	45-75	1/2	8	10 x 8	3-tons	HI MED HI	1632 1632	1562 1562	1491 1491	1400 1400	1316 1316	1225 1225
FVCA090NH3R(H)	45-75	1/2	8	10 x 8	3-tons	MED LOW LOW	1331 1044	1291 1029	1254 995	1182 960	1118 917	1041 864
FVSA090NH4R(X)	35-65	3/4	7.8	2-10 x 4	4-tons	HI MED HI	2019 1758	1971 1692	1888 1618	1789 1533	1683 1416	1494 1251
FVCA090NH4R(H)	35-65	3/4	7.8	2-10 x 4	4-tons	MED LOW LOW	1549 1342	1496 1294	1440 1249	1369 1188	1251 1120	1123 1008
FVSA108NH5R(X)	35-65	3/4	8.3	2-10 x 6	5-tons	HI MED HI	2260 2260	2167 2167	2060 2060	1931 1931	1807 1807	1663 1663
FVCA108NH5R(H)	35-65	3/4	8.3	2-10 x 6	5-tons	MED LOW LOW	2024 1628	1942 1576	1845 1521	1736 1437	1621 1342	1484 1233
FVSA126NH5R(X)	45-75	3/4	9.5	2-10 x 6	5-tons	HI MED HI	2314 2314	2219 2219	2084 2084	1963 1963	1827 1827	1684 1684
FVCA126NH5R(H)	45-75	3/4	9.5	2-10 x 6	5-tons	MED LOW LOW	2024 1595	1938 1541	1833 1481	1709 1412	1603 1333	1478 1226

SPECIFICATIONS FSA & FCA SERIES DOWNFLOW / HORIZONTAL MODELS

MODEL NUMBER ① ②	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
FCSA054NH3R(X)	30-60	1/3	6.6	10 x 6	3-tons	HI MED HI	1470 1272	1409 1249	1357 1197	1285 1160	1213 1100	1137 1021
FCCA054NH3R(H)	30-60	1/3	6.6	10 x 6	3-tons	MED LOW LOW	863 624	865 629	853 623	830 615	800 592	760 560
FCSA072NH3R(X)	30-60	1/2	8.6	10 x 8	3-tons	HI MED HI	1723 1723	1652 1652	1582 1582	1481 1481	1391 1391	1297 1297
FCCA072NH3R(H)	30-60	1/2	8.6	10 x 8	3-tons	MED LOW LOW	1385 1071	1345 1060	1304 1046	1239 1021	1190 982	1106 926
FCSA072NH4R(X)	25-55	3/4	7.5	2-10 x 4	4-tons	HI MED HI	1999 1758	1878 1675	1782 1582	1673 1485	1548 1367	1426 1248
FCCA072NH4R(H)	25-55	3/4	7.5	2-10 x 4	4-tons	MED LOW LOW	1605 1387	1530 1342	1443 1286	1357 1220	1266 1132	1137 1026
FCSA090NH3R(X)	45-75	1/2	8.2	10 x 8	3-tons	HI MED HI	1672 1672	1598 1598	1523 1523	1438 1438	1360 1360	1260 1260
FCCA090NH3R(H)	45-75	1/2	8.2	10 x 8	3-tons	MED LOW LOW	1360 1060	1325 1051	1275 1037	1227 1006	1152 968	1087 915
FCSA090NH4R(X)	35-65	3/4	7.8	2-10 x 4	4-tons	HI MED HI	2145 1870	2050 1792	1933 1701	1806 1601	1682 1482	1549 1367
FCCA090NH4R(H)	35-65	3/4	7.8	2-10 x 4	4-tons	MED LOW LOW	1672 1450	1610 1413	1545 1357	1450 1298	1363 1211	1234 1099
FCSA108NH5R(X)	35-65	3/4	8.8	2-10 x 6	5-tons	HI MED HI	2358 2368	2264 2264	2139 2139	2020 2020	1887 1887	1726 1762
FCCA108NH5R(H)	35-65	3/4	8.8	2-10 x 6	5-tons	MED LOW LOW	2065 1621	1990 1584	1900 1527	1793 1463	1668 1373	1525 1264
FCSA126NH5R(X)	40-70	3/4	8.6	2-10 x 6	5-tons	HI MED HI	2316 2316	2207 2207	2103 2103	1964 1964	1828 1828	1682 1682
FCCA126NH5R(H)	40-70	3/4	8.6	2-10 x 6	5-tons	MED LOW LOW	2063 1640	1970 1590	1862 1530	1762 1446	1628 1351	1475 1225

90+ High Efficiency Series



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Form No. F-90

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