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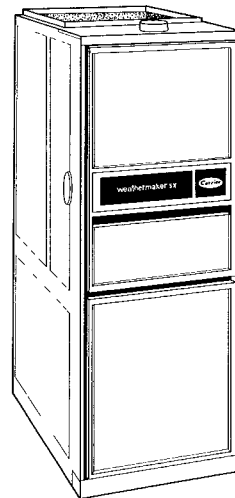
# Deluxe High-Efficiency Gas-Fired Condensing Furnaces

## 58SX

Output 40,000 - 122,000 Btuh

AFUE\* up to 97.3%

\*Annual Fuel Utilization Efficiency.



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## Product Data

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## Features

- Capacities range from 40,000 through 122,000 Btuh heating output with up to 97.3% AFUE for economical fuel usage.
- All units have a California Seasonal Efficiency Rating of over 87%.
- Electronic pilot ignition eliminates standing pilot to enhance fuel economy
- Direct vent sealed combustion system — Model 58SX uses 100% outdoor air, which results in especially quiet operation. Direct venting also minimizes the possibility of chloride contamination which can result in heat exchanger corrosion. Also reduces air infiltration into the home.
- 20-year limited warranty on both primary and condensing heat exchangers, your Carrier dealer has the details.
- Printed-circuit board virtually eliminates wiring errors at installation, reducing time and cost
- Monoport burners are finely tuned for smooth, quiet combustion plus economical gas usage.

- Exceeds California Energy Commission Seasonal Efficiency requirements of 71%.
- Lo NOx burners meet South Coast Air Quality District and Bay Area Air Quality District NOx requirements

## Accessories

- Vent terminal kit (required on all installations)
- Natural gas to propane conversion kit\* (not for use with 110, 120 Series furnaces)
- Propane to natural gas conversion kit
- Twinning kit for some sizes (consult Carrier dealer)
- Side filter rack
- Cold air return plenum
- Analyzer
- Cooling coils
- Humidifier
- Electronic air cleaner
- Thermostats

\*Not available for 58SX040-120BC

## → Performance data

| MODEL 58SX                             | 040-120BC | 040-130CC | 060-130CC | 080-130BC | 100-130CC | 120-130CC |
|----------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| INPUT (Btuh)*                          | 41,000    | 44,000    | 66,000    | 88,000    | 110,000   | 132,000   |
| OUTPUT CAPACITY (Btuh)†                | 40,000    | 41,000    | 61,000    | 82,000    | 102,000   | 122,000   |
| TEMP RISE RANGE (F)                    | 15-45     | 20-50     | 30-60     | 45-75     | 45-75     | 50-80     |
| AFUE %                                 | 97.3      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      |
| California Seasonal Efficiencies (CSE) | 89.8      | 86.0      | 87.2      | 88.3      | 88.1      | 89.1      |
| EXT. STATIC PRESSURE<br>(in. wg)       |           |           |           |           |           |           |
| Heating                                | 0.10      |           | 0.12      | 0.15      | 0.20      |           |
| Cooling                                | 0.4       |           |           | 0.5       |           |           |
| AIRFLOW (Cfm)                          |           |           |           |           |           |           |
| Heating                                | 1265      | 1310      | 1290      | 1380      | 1565      | 2005      |
| Cooling                                | 1185      | 1160      | 1205      | 1240      | 1670      | 1945      |

\*Ratings shown are for elevations up to 2000 feet. For elevations above 2000 ft, rating should be reduced at the rate of 4% for each 1000 ft above sea level.

†Determined by U.S. Government tests

MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS. Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.



Directory Listed



## AIR DELIVERY (Cfm)

| MODEL 58SX | SPEED    | EXTERNAL STATIC PRESSURE (in. wg) |      |      |      |      |      |      |
|------------|----------|-----------------------------------|------|------|------|------|------|------|
|            |          | 0.1                               | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  |
| 040-120BC  | High     | 1430                              | 1370 | 1305 | 1240 | 1185 | 1130 | 1025 |
|            | Med-High | 1265                              | 1205 | 1155 | 1110 | 1070 | 975  | 885  |
|            | Med-Low  | 1040                              | 1005 | 980  | 960  | 925  | 840  | 790  |
|            | Low      | 885                               | 870  | 855  | 810  | 790  | 740  | 680  |
| 040-130CC  | High     | 1420                              | 1390 | 1345 | 1270 | 1160 | 1050 | 920  |
|            | Med-High | 1310                              | 1285 | 1255 | 1210 | 1135 | 1030 | 890  |
|            | Med-Low  | 1270                              | 1260 | 1175 | 1080 | 995  | 875  | 780  |
|            | Low      | 1145                              | 1115 | 1040 | 960  | 880  | 810  | 695  |
| 060-130CC  | High     | 1430                              | 1375 | 1335 | 1275 | 1205 | 1140 | 1060 |
|            | Med-High | 1300                              | 1260 | 1215 | 1175 | 1125 | 1065 | 980  |
|            | Med-Low  | 1095                              | 1075 | 1055 | 1025 | 980  | 935  | 865  |
|            | Low      | 940                               | 925  | 915  | 900  | 865  | 820  | 745  |

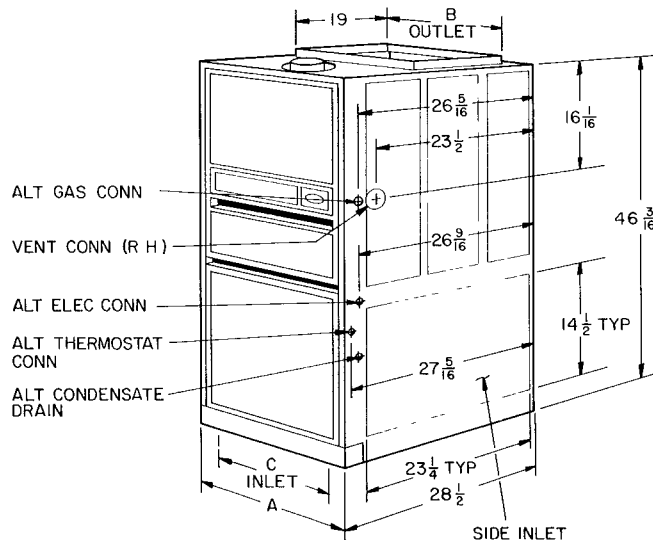
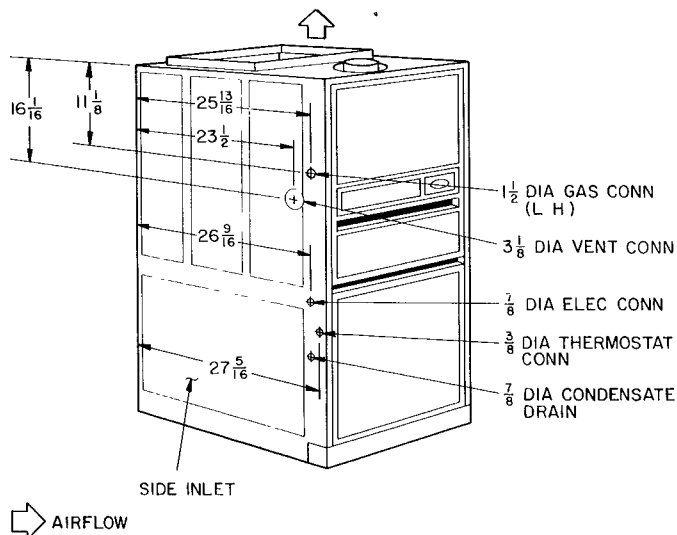
| MODEL 58SX | SPEED    | EXTERNAL STATIC PRESSURE (in. wg) |      |      |      |      |      |      |
|------------|----------|-----------------------------------|------|------|------|------|------|------|
|            |          | 0.1                               | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  |
| 080-130BC  | High     | 1525                              | 1460 | 1395 | 1320 | 1240 | 1145 | 1020 |
|            | Med-High | 1410                              | 1355 | 1300 | 1240 | 1160 | 1065 | 940  |
|            | Med-Low  | 1230                              | 1200 | 1160 | 1110 | 1050 | 965  | 855  |
|            | Low      | 1095                              | 1075 | 1050 | 1015 | 955  | 890  | 760  |
| 100-130CC  | High     | 1925                              | 1855 | 1805 | 1735 | 1670 | 1575 | 1480 |
|            | Med-High | 1600                              | 1565 | 1535 | 1500 | 1460 | 1385 | 1305 |
|            | Med-Low  | 1285                              | 1275 | 1275 | 1255 | 1230 | 1170 | 1105 |
|            | Low      | 1045                              | 1060 | 1070 | 1070 | 1055 | 1020 | 955  |
| 120-130CC  | High     | 2205                              | 2175 | 2110 | 2025 | 1945 | 1855 | 1715 |
|            | Med-High | 2120                              | 2005 | 1960 | 1875 | 1820 | 1730 | 1600 |
|            | Med-Low  | 1835                              | 1825 | 1785 | 1750 | 1710 | 1610 | 1520 |
|            | Low      | 1700                              | 1685 | 1670 | 1645 | 1605 | 1510 | 1415 |

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

## Physical data

| MODEL 58SX                   | 040-120BC                                        | 040-130CC | 060-130CC | 080-130BC | 100-130CC | 120-130CC |
|------------------------------|--------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| SHIPPING WEIGHT (lb)         | 217                                              | 170       | 177       | 190       | 221       | 263       |
| LIMIT CONTROL                | Single Pole, Single Throw                        |           |           |           |           |           |
| HEATING BLOWER CONTROL       | Solid State, Time Operated                       |           |           |           |           |           |
| BURNERS (Monoport)           | 2                                                | 3         | 4         | 5         | 6         |           |
| GAS CONNECTION SIZE          | ½-in. NPT                                        |           |           |           |           |           |
| GAS VALVE (Redundant)        |                                                  |           |           |           |           |           |
| Min Inlet Pressure (in. wg)  | 4.5                                              |           |           |           |           |           |
| Max Inlet Pressure (in. wg)  | 13.6                                             |           |           |           |           |           |
| PILOT SAFETY                 | 740A                                             |           |           |           |           |           |
| BLOWER                       | Direct-drive, 4-speed, Permanent Split Capacitor |           |           |           |           |           |
| Hp                           | ½                                                | ½         | ½         | ½         | ½         | ½         |
| Wheel Diameter x Width (in.) | 11x7                                             | 10x7      | 10x7      | 10x8      | (2) 10x6  |           |
| FILTER SIZE                  | Washable                                         |           |           |           |           |           |
| LxWxD (in.)                  | 15½x27¼x1                                        |           |           |           | 19½x27¼x1 | 22½x27¼x1 |

## Dimensions (in.)



| MODEL 58SX | A   | B x 19 | C x 26 | VENT DIAMETER |
|------------|-----|--------|--------|---------------|
| 040        | 17½ | 15½    | 15     | 1½ or 2       |
| 060        |     |        |        | 2 or 2½       |
| 080        |     |        |        | 2, 2½, or 3   |
| 100        | 21  | 19½    | 18½    | 3             |
| 120        | 24½ | 22½    | 22     |               |

## CLEARANCES (in.)

| MODEL 58SX              | ALL |
|-------------------------|-----|
| PLENUM CLEARANCE TOP    | 1   |
| Unit Clearance Back     | 0   |
| Unit Clearance Side     | 0   |
| Unit Clearance Front    | 3   |
| Front Service Clearance | 30  |
| Vent Clearance          | 0   |



# 58SX Condensing Furnaces

## Electrical data

| MODEL 58SX                          | 040-120BC | 040-130CC | 060-130CC | 080-130BC | 100-130CC | 120-130CC |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| VOLTS-PHASE-HZ                      | 120-1-60  |           |           |           |           |           |
| TRANSFORMER (24 V)                  | 40 va     |           |           |           |           |           |
| MIN WIRE SIZE                       | 14 AWG    |           |           |           |           |           |
| MAX FUSE SIZE                       | 15 Amps   |           |           |           |           |           |
| EXTERNAL CONTROL<br>POWER AVAILABLE |           |           |           |           |           |           |
| Heating                             | 24 va     |           |           |           |           |           |
| Cooling                             | 37 va     |           |           |           |           |           |
| AIR CONDITIONING<br>BLOWER RELAY    | Standard  |           |           |           |           |           |
| BLOWER MOTOR                        |           |           |           |           |           |           |
| Full Load Amps                      | 9.0       | 6.6       |           |           | 9.4       | 9.0       |
| Rpm (Nominal)                       | 1050      | 1075      |           |           |           |           |

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PC 101

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Replaces: 58SX-1PD