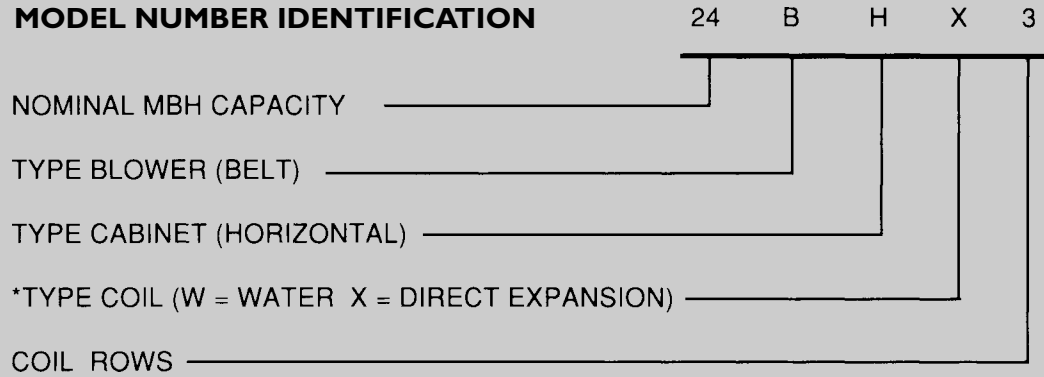


BHX 5.1

1. Coils are constructed of copper tube-aluminum fin material.
2. Blower wheels are belt drive DWDI forward curved and factory balanced.
3. Permanently lubricated ball bearing blowers.
4. Standard ETL Approved motors have overload protection. Controls (i.e. contactor, starter or transformer/fan relay) not included in standard product.
5. All motor pulleys are variable pitch single groove.
6. Blower pulleys are tapered hub type.
7. Cabinets are fully insulated with 3/4" – 1.5# fiberglass insulation.
8. Standard filters are 2" throwaway with access on both sides of cabinet.
9. 24 BHX through 60 BHX have 3/8" NC thread spotweld nuts in each corner of top panel for easy suspension. 90 BHX through 240 BHX have 7/8" knockouts in each corner of top and bottom panels for suspension rods to pass through. 3/8" nuts are 7/8" in from corners. 7/8" knockouts are 3 1/2" in from corners – both on center line.
10. Suction, liquid, optional hot water or steam coil, electrical and drain stubouts are standard right hand, looking at filters.
11. All units stocked with thermal expansion valve mounted – with side port distributors.
12. Cabinets are fabricated of heavy gauge galvanealed steel, specially coated inside and out with Magic Aire® beige baked powder enamel coating before assembly.
13. Optional Accessories:
 - 1 Row Hot Water Heating Coil (24-60 only)
 - 2 Row Hot Water Heating Coil
 - MB Series Mixing Boxes
 - Actuator Kits for Mixing Boxes
 - Discharge Grille Plenum
 - Return Air Grille
 - Spring Vibration Isolators (Unit Hanger Kit)
 - Heat pump conversion kit available for field mounting. (Contact factory for compatibility with specific heat pump models.)
14. Non-Stock Accessories:
 - 6 Row Direct Expansion Coil
 - Stainless Steel Drain Pan
 - Steam Coils
 - Bottom Access

Product Description

MODEL NUMBER IDENTIFICATION

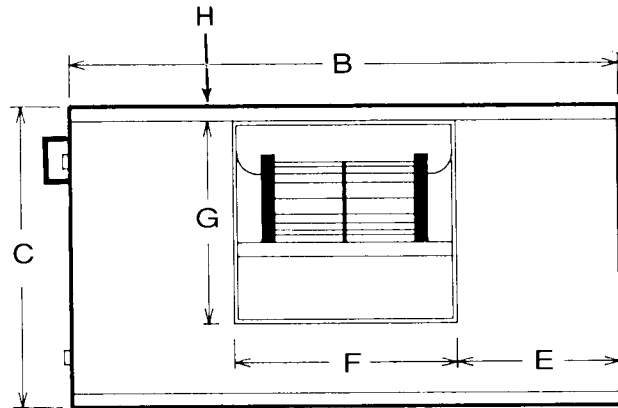
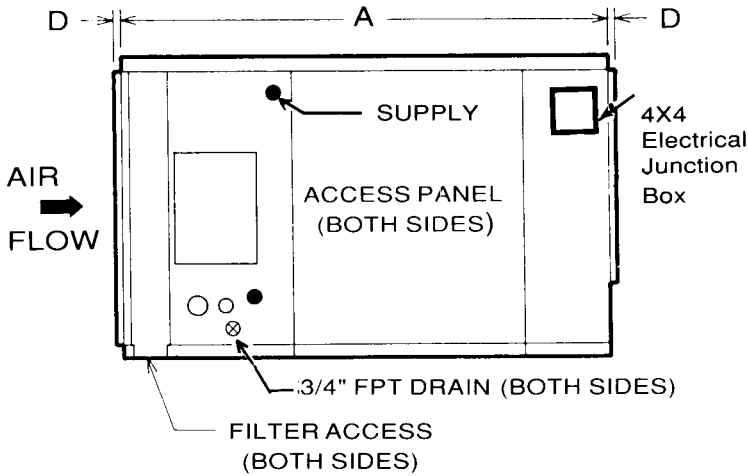


Specifications

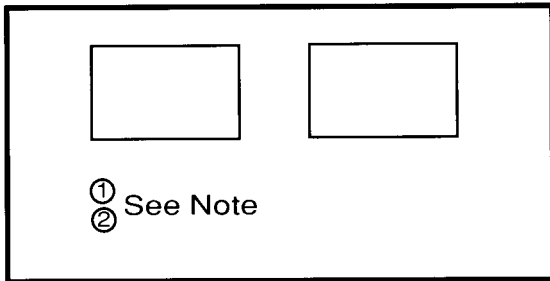
| MODEL | NOM. TONS | COIL FACE AREA | 3 ROW DX | | | WATER COIL | | | FILTER |
|--------|-----------|----------------|---------------------------------|------------------------------------|---------|-------------|-----------------|-----------|--|
| | | | LIQ LINE | SUCT. LINE | SHIP WT | 1 ROW | 2 ROW | SHIP WT** | |
| 24 BH | 2 | 2.05 | 3/8" OD SWT | 3/4" OD SWT | 146 | 1/2" OD SWT | 5/8" OD SWT | 13 | 16 X 25 |
| 36 BH | 3 | 3.05 | 3/8" OD SWT | 3/4" OD SWT | 178 | 7/8" OD SWT | 7/8" OD SWT | 18 | 1-16 X 32 |
| 48 BH | 4 | 4.03 | 1/2" OD SWT | 7/8" OD SWT | 203 | 7/8" OD SWT | 7/8" OD SWT | 25 | 2-16 X 20 |
| 60 BH | 5 | 5.00 | 1/2" OD SWT | 1 1/8" OD SWT | 246 | 7/8" OD SWT | 1 1/8" OD SWT | 30 | 2-20 X 20 |
| 90 BH | 7.5 | 7.16 | 5/8" OD SWT *1/2" OD SWT (2) | 1 1/8" OD SWT *7/8" OD SWT (2) | 425 | N/A | 1 1/8" OD SWT | 41 | 2-16 X 25 1-20 X 25 |
| 120 BH | 10 | 10.22 | 5/8" OD SWT *1/2" OD SWT (2) | 1 3/8" OD SWT *7/8" OD SWT (2) | 485 | N/A | 1 1/8" OD SWT | 53 | 3-16 X 32 |
| 180 BH | 15 | 13.75 | 7/8" OD SWT *5/8" OD SWT (2) | 1 3/8" OD SWT *1 1/8" OD SWT(2) | 707 | N/A | 1 3/8" OD SWT | 86 | 2-20 X 25 4-20 X 20 |
| 240 BH | 20 | 16.60 | 2-5/8" OD SWT | 2-1 3/8" OD SWT | 780 | N/A | 2-1 1/8" OD SWT | 106 | 2-16 X 20 2-16 X 25 2-20 X 20 2-20 X 25 |

*For Unit with Dual Expansion Valve **Coil only.

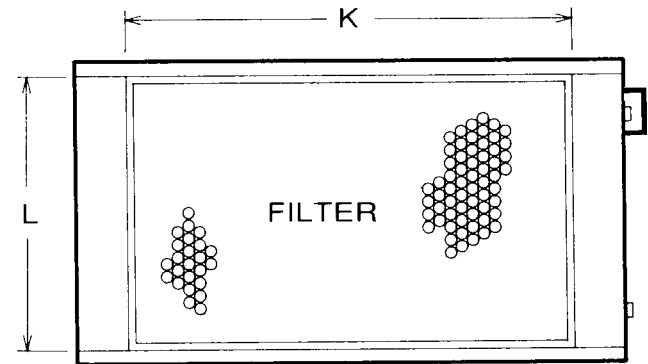
Specifications subject to change without notice due to continuing effort to improve our product.



- Suction
- Liquid
- Optional Hot Water Coil Connection (Reheat position) ③



DUAL BLOWER UNITS (180/240)



UNIT CABINET DIMENSIONS

| MODEL | UNIT | | | | | | BLOWER OPENING OUTLET | | RETURN DUCT CONN. | |
|--------|-------|-------|-------|---|-------|-------|-----------------------|---------|-------------------|-------|
| | A | B | C | D | E | H | F | G | K | L |
| 24 BH | 37.00 | 27.00 | 18.00 | 1 | 9.13 | 1.00 | 8.75 | 10.88 | 18.00 | 16.00 |
| 36 BH | 37.00 | 36.50 | 18.00 | 1 | 12.09 | 1.00 | 12.31 | 10.88 | 27.50 | 16.00 |
| 48 BH | 42.00 | 38.00 | 22.00 | 1 | 14.25 | 1.00 | 9.50 | 14.00 | 29.00 | 20.00 |
| 60 BH | 42.00 | 45.00 | 22.00 | 1 | 16.00 | 1.00 | 13.00 | 14.00 | 36.00 | 20.00 |
| 90 BH | 52.50 | 54.00 | 27.00 | 1 | 20.38 | 1.00 | 13.25 | 16.75 | 45.00 | 25.00 |
| 120 BH | 52.50 | 57.00 | 34.00 | 1 | 21.88 | 8.50 | 13.25 | 16.75 | 48.00 | 32.00 |
| 180 BH | 57.50 | 67.13 | 42.00 | 1 | ① | 7.00 | 2-16.07 | 2-15.88 | 57.75 | 40.25 |
| 240 BH | 57.50 | 72.00 | 47.00 | 1 | ② | 11.88 | 2-16.07 | 2-15.88 | 66.00 | 45.00 |

- ① Blower opening 7" down from top of unit. Looking at discharge 14 3/8 left side, 11 3/8 center and 8 3/8 right side.
- ② Blower opening 11 7/8 down from top of unit. Looking at discharge 14 3/16 left side, 11 3/8 center and 13 5/16 right side.
- ③ When a hot water coil is installed in a BHX unit, a freeze stat must be field installed to prevent the hot water coil from freezing.



FAN PERFORMANCE

| MODEL | INTER S.P. | CFM | .25" ESP | | .50" ESP | | .75" ESP | | 1.00" ESP | | 1.25" ESP | | 1.50" ESP | |
|---------|---------------|------|----------|------|----------|------|----------|------|-----------|------|-----------|------|-----------|------|
| | | | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP |
| 24 BHX | .20 | 600 | 792 | .10 | 991 | .15 | 1154 | .22 | 1321 | .29 | 1441 | .35 | 1616 | .43 |
| | .26 | 700 | 852 | .14 | 1010 | .20 | 1177 | .26 | 1324 | .32 | 1460 | .39 | 1600 | .45 |
| | .33 | 800 | 896 | .18 | 1057 | .24 | 1208 | .31 | 1343 | .36 | 1467 | .44 | 1595 | .50 |
| | .40 | 900 | 957 | .23 | 1111 | .30 | 1246 | .36 | 1368 | .43 | 1494 | .53 | 1613 | .59 |
| | .46 | 1000 | 1020 | .29 | 1163 | .37 | 1295 | .43 | 1409 | .49 | 1522 | .58 | 1626 | .67 |
| 36 BHX | .23 | 900 | 829 | .18 | 1011 | .24 | 1205 | .38 | 1388 | .46 | 1514 | .58 | 1632 | .67 |
| | .30 | 1050 | 896 | .23 | 1059 | .30 | 1220 | .40 | 1442 | .58 | 1563 | .67 | 1677 | .77 |
| | .37 | 1200 | 952 | .30 | 1114 | .39 | 1256 | .47 | 1383 | .62 | 1571 | .75 | 1724 | .91 |
| | .44 | 1350 | 1024 | .37 | 1159 | .46 | 1293 | .56 | 1418 | .68 | 1534 | .78 | 1708 | 1.00 |
| | .53 | 1500 | 1080 | .48 | 1231 | .59 | 1349 | .69 | 1465 | .79 | 1572 | .90 | 1682 | 1.04 |
| 48 BHX | .31 | 1200 | 682 | .25 | 797 | .34 | 905 | .43 | 1014 | .52 | 1099 | .61 | 1177 | .69 |
| | .40 | 1400 | 752 | .35 | 849 | .43 | 946 | .53 | 1048 | .67 | 1129 | .75 | 1213 | .84 |
| | .49 | 1600 | 808 | .46 | 908 | .57 | 997 | .67 | 1077 | .78 | 1156 | .88 | 1247 | .99 |
| | .58 | 1800 | 878 | .60 | 968 | .71 | 1051 | .83 | 1125 | .93 | 1201 | 1.07 | 1267 | 1.18 |
| | .70 | 2000 | 948 | .76 | 1036 | .94 | 1106 | 1.04 | 1186 | 1.14 | 1256 | 1.30 | 1318 | 1.44 |
| 60 BHX | .26 | 1500 | 677 | .29 | 769 | .38 | 878 | .47 | 982 | .58 | 1075 | .70 | 1199 | .88 |
| | .33 | 1750 | 703 | .37 | 810 | .48 | 908 | .59 | 1006 | .72 | 1093 | .83 | 1177 | .95 |
| | .41 | 2000 | 755 | .50 | 850 | .61 | 949 | .74 | 1035 | .88 | 1120 | 1.00 | 1202 | 1.14 |
| | .50 | 2250 | 820 | .66 | 908 | .78 | 995 | .92 | 1076 | 1.06 | 1157 | 1.22 | 1230 | 1.35 |
| | .60 | 2500 | 878 | .87 | 961 | .99 | 1049 | 1.14 | 1124 | 1.30 | 1196 | 1.46 | 1268 | 1.61 |
| 90 BHX | .25 | 2250 | 546 | .39 | 648 | .53 | 730 | .65 | 811 | .78 | 890 | .95 | 954 | 1.06 |
| | .32 | 2625 | 595 | .55 | 684 | .68 | 771 | .85 | 839 | 1.00 | 908 | 1.14 | 973 | 1.31 |
| | .40 | 3000 | 648 | .76 | 728 | .92 | 803 | 1.08 | 871 | 1.26 | 942 | 1.45 | 999 | 1.60 |
| | .48 | 3375 | 697 | 1.02 | 773 | 1.21 | 846 | 1.41 | 914 | 1.61 | 979 | 1.78 | 1037 | 1.99 |
| | .59 | 3750 | 761 | 1.36 | 824 | 1.57 | 893 | 1.77 | 958 | 2.01 | 1016 | 2.20 | 1069 | 2.41 |
| 120 BHX | .26 | 3000 | 610 | .68 | 690 | .82 | 764 | .98 | 840 | 1.14 | 915 | 1.36 | 984 | 1.51 |
| | .33 | 3500 | 677 | 1.01 | 747 | 1.18 | 818 | 1.35 | 882 | 1.56 | 946 | 1.75 | 1015 | 1.97 |
| | .41 | 4000 | 740 | 1.43 | 805 | 1.63 | 873 | 1.85 | 931 | 2.05 | 992 | 2.30 | 1053 | 2.53 |
| | .51 | 4500 | 809 | 1.97 | 868 | 2.19 | 930 | 2.49 | 989 | 2.75 | 1043 | 3.00 | 1095 | 3.27 |
| | .60 | 5000 | 877 | 2.63 | 932 | 2.87 | 994 | 3.17 | 1046 | 3.45 | 1101 | 3.82 | 1153 | 4.11 |
| 180 BHX | .41 | 5000 | 546 | 1.00 | 637 | 1.22 | 717 | 1.46 | 791 | 1.74 | 868 | 2.03 | 937 | 2.36 |
| | .48 | 5500 | 575 | 1.18 | 656 | 1.46 | 732 | 1.75 | 806 | 2.05 | 879 | 2.36 | 945 | 2.68 |
| | .56 | 6000 | 606 | 1.43 | 684 | 1.74 | 755 | 2.06 | 824 | 2.37 | 892 | 2.67 | 952 | 2.98 |
| | .64 | 6500 | 636 | 1.72 | 705 | 2.03 | 776 | 2.36 | 842 | 2.68 | 904 | 2.98 | 968 | 3.44 |
| | .73 | 7000 | 688 | 2.08 | 738 | 2.39 | 800 | 2.70 | 865 | 3.03 | 926 | 3.46 | 985 | 3.89 |
| 240 BHX | .38 | 7000 | 564 | 1.60 | 640 | 1.96 | 712 | 2.27 | 776 | 2.58 | 839 | 2.90 | 903 | 3.29 |
| | .42 | 7500 | 587 | 1.89 | 660 | 2.21 | 728 | 2.52 | 790 | 2.83 | 850 | 3.25 | 910 | 3.68 |
| | .48 | 8000 | 614 | 2.19 | 686 | 2.54 | 749 | 2.89 | 809 | 3.27 | 867 | 3.68 | 926 | 4.21 |
| | .54 | 8500 | 642 | 2.54 | 702 | 2.90 | 769 | 3.36 | 827 | 3.86 | 884 | 4.36 | 941 | 4.86 |
| | .60 | 9000 | 672 | 2.92 | 733 | 3.39 | 791 | 3.87 | 846 | 4.36 | 902 | 4.84 | 959 | 5.44 |

Available Motors (60 Hz)

| HORSE POWER | VOLTAGE/PHASE |
|---|-------------------|
| 1/4, 1/3 | 115/1 Split Phase |
| 1/4, 1/3, 1/2, 3/4, 1, 1 1/2, 2 | 115/208-230/1 |
| 1/4, 1/3, 1/2, 3/4 | 115/1 2 SPD |
| 1/4, 1/3, 1/2, 3/4 | 230/1 2 SPD |
| 1/4, 1/3, 1/2, 3/4, 1, 1 1/2 | 277/1 |
| 1/3, 1/2, 3/4, 1, 1 1/2, 2, 3, 5, 7 1/2, 10 | 208-230/460/3 |

Select appropriate motor horsepower from pages 5-6.

When ordering, specify HP – voltage/phase – CFM@ESP.

Consult List Price Pages for motor installation and options.

For motors not listed, contact factory.



FAN PERFORMANCE

| MODEL | INTER S.P. | CFM | .25" ESP | | .50" ESP | | .75" ESP | | 1.00" ESP | | 1.25" ESP | | 1.50" ESP | |
|-----------------------|---------------|------|----------|------|----------|------|----------|------|-----------|------|-----------|------|-----------|------|
| | | | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP | RPM | BHP |
| 24 BHX w/24 HH-2 | .24 | 600 | 832 | .12 | 1019 | .18 | 1186 | .23 | 1346 | .30 | 1500 | .38 | 1642 | .47 |
| | .29 | 700 | 894 | .15 | 1057 | .21 | 1211 | .27 | 1350 | .32 | 1500 | .40 | 1643 | .49 |
| | .38 | 800 | 949 | .20 | 1110 | .27 | 1249 | .32 | 1383 | .39 | 1502 | .45 | 1634 | .55 |
| | .45 | 900 | 1024 | .26 | 1164 | .31 | 1300 | .39 | 1418 | .45 | 1529 | .54 | 1643 | .60 |
| | .54 | 1000 | 1089 | .31 | 1215 | .38 | 1348 | .45 | 1461 | .54 | 1570 | .60 | 1677 | .69 |
| 36 BHX w/36 HH-2 | .29 | 900 | 881 | .19 | 1105 | .29 | 1304 | .39 | 1424 | .49 | 1558 | .57 | 1674 | .66 |
| | .37 | 1050 | 939 | .24 | 1118 | .34 | 1350 | .47 | 1499 | .60 | 1615 | .69 | 1728 | .82 |
| | .47 | 1200 | 1014 | .32 | 1173 | .41 | 1308 | .49 | 1516 | .67 | 1662 | .84 | 1778 | .96 |
| | .56 | 1350 | 1091 | .40 | 1232 | .50 | 1363 | .61 | 1489 | .71 | 1636 | .89 | 1824 | 1.10 |
| | .67 | 1500 | 1172 | .53 | 1301 | .62 | 1410 | .72 | 1535 | .85 | 1653 | .97 | 1765 | 1.12 |
| 48 BHX w/48 HH-2 | .37 | 1200 | 709 | .26 | 828 | .34 | 940 | .44 | 1032 | .53 | 1119 | .62 | 1194 | .72 |
| | .47 | 1400 | 784 | .37 | 888 | .46 | 975 | .56 | 1063 | .66 | 1163 | .77 | 1241 | .87 |
| | .59 | 1600 | 854 | .50 | 951 | .61 | 1035 | .72 | 1114 | .81 | 1191 | .93 | 1267 | 1.03 |
| | .71 | 1800 | 919 | .66 | 1014 | .79 | 1100 | .91 | 1174 | 1.04 | 1241 | 1.14 | 1311 | 1.25 |
| | .84 | 2000 | 1003 | .85 | 1082 | .98 | 1165 | 1.11 | 1236 | 1.28 | 1298 | 1.38 | 1365 | 1.51 |
| 60 BHX w/60 HH-2 | .32 | 1500 | 677 | .30 | 792 | .39 | 899 | .49 | 996 | .62 | 1093 | .73 | 1193 | .88 |
| | .43 | 1750 | 737 | .41 | 842 | .53 | 938 | .64 | 1027 | .75 | 1114 | .89 | 1202 | 1.01 |
| | .52 | 2000 | 790 | .56 | 890 | .66 | 979 | .79 | 1064 | .92 | 1144 | 1.05 | 1223 | 1.18 |
| | .63 | 2250 | 851 | .71 | 947 | .85 | 1029 | .98 | 1109 | 1.12 | 1189 | 1.29 | 1256 | 1.41 |
| | .76 | 2500 | 923 | .95 | 1002 | 1.08 | 1077 | 1.23 | 1155 | 1.37 | 1226 | 1.53 | 1298 | 1.71 |
| 90 BHX w/90 HH-2 | .32 | 2250 | 564 | .42 | 660 | .54 | 744 | .70 | 822 | .79 | 898 | .96 | 964 | 1.08 |
| | .40 | 2625 | 621 | .59 | 705 | .75 | 784 | .92 | 858 | 1.09 | 931 | 1.24 | 989 | 1.38 |
| | .51 | 3000 | 678 | .87 | 753 | 1.03 | 824 | 1.19 | 895 | 1.36 | 959 | 1.53 | 1019 | 1.71 |
| | .61 | 3375 | 730 | 1.13 | 802 | 1.34 | 871 | 1.52 | 933 | 1.70 | 996 | 1.92 | 1058 | 2.13 |
| | .73 | 3750 | 792 | 1.49 | 858 | 1.69 | 919 | 1.90 | 989 | 2.13 | 1042 | 2.35 | 1094 | 2.53 |
| 120 BHX w/120 HH-2 | .31 | 3000 | 626 | .70 | 711 | .84 | 788 | 1.03 | 862 | 1.21 | 932 | 1.35 | 1001 | 1.58 |
| | .40 | 3500 | 693 | 1.01 | 771 | 1.24 | 845 | 1.42 | 904 | 1.61 | 970 | 1.83 | 1032 | 2.02 |
| | .50 | 4000 | 771 | 1.50 | 832 | 1.70 | 894 | 1.92 | 959 | 2.13 | 1015 | 2.35 | 1074 | 2.61 |
| | .61 | 4500 | 835 | 2.02 | 903 | 2.30 | 957 | 2.50 | 1018 | 2.79 | 1070 | 3.06 | 1122 | 3.28 |
| | .73 | 5000 | 913 | 2.84 | 972 | 3.12 | 1023 | 3.33 | 1079 | 3.64 | 1131 | 3.89 | 1182 | 4.22 |
| 180 BHX w/180 HH-2 | .50 | 5000 | 561 | 1.07 | 666 | 1.31 | 744 | 1.56 | 818 | 1.84 | 896 | 2.14 | 960 | 2.47 |
| | .58 | 5500 | 609 | 1.29 | 688 | 1.57 | 762 | 1.87 | 835 | 2.18 | 907 | 2.49 | 970 | 2.80 |
| | .68 | 6000 | 645 | 1.57 | 719 | 1.89 | 788 | 2.21 | 857 | 2.51 | 922 | 2.82 | 985 | 3.17 |
| | .78 | 6500 | 679 | 1.90 | 747 | 2.23 | 813 | 2.53 | 878 | 2.85 | 941 | 3.24 | 1002 | 3.69 |
| | .89 | 7000 | 715 | 2.27 | 779 | 2.59 | 842 | 2.90 | 904 | 3.31 | 964 | 3.74 | 1021 | 4.19 |
| 240 BHX w/240 HH-2 | .47 | 7000 | 589 | 1.71 | 666 | 2.06 | 735 | 2.38 | 798 | 2.68 | 862 | 3.00 | 924 | 3.44 |
| | .53 | 7500 | 616 | 2.04 | 691 | 2.37 | 754 | 2.69 | 815 | 3.00 | 876 | 3.44 | 936 | 3.85 |
| | .59 | 8000 | 644 | 2.36 | 712 | 2.70 | 772 | 3.03 | 833 | 3.45 | 893 | 3.87 | 951 | 4.39 |
| | .68 | 8500 | 677 | 2.69 | 742 | 3.11 | 800 | 3.52 | 858 | 3.87 | 917 | 4.54 | 976 | 5.16 |
| | .76 | 9000 | 711 | 3.22 | 768 | 3.71 | 825 | 4.19 | 881 | 4.68 | 938 | 5.21 | 993 | 5.85 |

NOTICE: When a hot water coil is installed in a BHX unit, a freeze stat must be field installed to prevent the hot water coil from freezing.



DIRECT EXPANSION COOLING CAPACITIES

24-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 7.05 | 600 | 35.2 | 21.0 | 52.6 | 52.6 | 30.2 | 19.5 | 50.0 | 50.0 | 23.0 | 16.6 | 49.5 | 49.2 |
| | | 800 | 40.0 | 25.0 | 56.1 | 55.7 | 34.0 | 23.0 | 53.5 | 53.0 | 28.6 | 20.8 | 50.9 | 50.3 |
| | | 1000 | 44.0 | 28.4 | 58.7 | 57.8 | 37.6 | 26.2 | 55.8 | 54.9 | 32.6 | 24.4 | 52.5 | 51.5 |
| 45 | 4.89 | 600 | 31.6 | 19.5 | 54.9 | 54.9 | 23.8 | 16.6 | 54.4 | 54.1 | 17.0 | 13.9 | 53.6 | 53.2 |
| | | 800 | 35.0 | 23.0 | 58.5 | 58.0 | 29.4 | 21.0 | 55.8 | 55.2 | 20.0 | 17.0 | 55.4 | 54.5 |
| | | 1000 | 38.5 | 26.2 | 60.8 | 59.7 | 31.6 | 23.6 | 58.1 | 57.1 | 24.0 | 20.6 | 56.0 | 54.8 |
| 50 | 3.30 | 600 | 24.2 | 16.7 | 59.3 | 59.1 | 17.1 | 13.9 | 58.6 | 58.1 | 12.4 | 11.7 | 57.0 | 56.1 |
| | | 800 | 30.2 | 21.0 | 60.7 | 60.0 | 20.0 | 17.1 | 60.3 | 59.3 | 14.8 | 14.4 | 58.4 | 56.8 |
| | | 1000 | 32.0 | 23.8 | 63.0 | 61.9 | 24.0 | 20.6 | 60.9 | 59.6 | 16.5 | 16.2 | 60.0 | 57.5 |

36-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 8.72 | 900 | 51.5 | 31.0 | 53.2 | 53.2 | 44.0 | 28.8 | 50.5 | 50.5 | 34.0 | 24.6 | 49.8 | 49.6 |
| | | 1200 | 58.5 | 36.8 | 56.7 | 56.3 | 49.5 | 33.8 | 54.0 | 53.5 | 41.5 | 30.8 | 51.3 | 50.8 |
| | | 1500 | 63.5 | 41.5 | 59.3 | 58.4 | 54.5 | 38.5 | 56.3 | 55.4 | 47.0 | 35.8 | 52.9 | 52.0 |
| 45 | 6.14 | 900 | 46.0 | 28.8 | 55.4 | 55.4 | 35.0 | 24.8 | 54.6 | 54.4 | 25.4 | 20.6 | 53.7 | 53.2 |
| | | 1200 | 51.0 | 33.8 | 58.9 | 58.4 | 43.0 | 31.0 | 56.1 | 55.5 | 29.8 | 25.4 | 55.4 | 54.5 |
| | | 1500 | 56.0 | 38.5 | 61.1 | 60.1 | 48.5 | 36.2 | 57.7 | 56.7 | 35.4 | 30.4 | 56.2 | 55.0 |
| 50 | 4.15 | 900 | 36.0 | 24.8 | 59.5 | 59.3 | 25.6 | 20.8 | 58.6 | 58.1 | 18.7 | 17.6 | 56.9 | 56.0 |
| | | 1200 | 44.0 | 31.2 | 61.0 | 60.3 | 29.8 | 25.6 | 60.3 | 59.3 | 22.2 | 21.6 | 58.4 | 56.8 |
| | | 1500 | 50.0 | 36.4 | 62.6 | 61.5 | 35.6 | 30.6 | 61.1 | 59.7 | 24.8 | 24.4 | 59.9 | 57.5 |

48-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 11.51 | 1200 | 66.0 | 40.5 | 53.8 | 53.8 | 56.0 | 37.2 | 51.4 | 51.3 | 48.0 | 34.2 | 48.7 | 48.5 |
| | | 1600 | 75.0 | 48.0 | 57.3 | 56.9 | 64.0 | 44.0 | 54.4 | 53.9 | 53.5 | 40.0 | 51.8 | 51.2 |
| | | 2000 | 81.0 | 54.0 | 59.9 | 59.0 | 70.0 | 50.0 | 56.8 | 55.8 | 58.5 | 46.0 | 53.8 | 52.8 |
| 45 | 8.36 | 1200 | 58.5 | 37.2 | 56.3 | 56.3 | 47.5 | 33.4 | 54.2 | 54.0 | 37.4 | 29.2 | 52.5 | 52.2 |
| | | 1600 | 66.0 | 44.5 | 59.3 | 58.7 | 55.0 | 40.0 | 56.7 | 56.0 | 45.0 | 36.6 | 53.9 | 53.2 |
| | | 2000 | 72.0 | 50.5 | 61.5 | 60.5 | 60.5 | 46.0 | 58.6 | 57.5 | 50.0 | 42.5 | 55.4 | 54.5 |
| 50 | 5.53 | 1200 | 49.0 | 33.6 | 59.1 | 58.9 | 37.5 | 29.4 | 57.4 | 57.1 | 26.0 | 24.2 | 56.4 | 55.7 |
| | | 1600 | 56.0 | 40.5 | 61.5 | 60.8 | 46.0 | 36.8 | 58.8 | 58.0 | 30.8 | 29.6 | 57.9 | 56.5 |
| | | 2000 | 61.5 | 46.5 | 63.4 | 62.2 | 48.5 | 41.5 | 60.8 | 59.5 | 37.2 | 35.8 | 58.5 | 56.8 |

60-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 5.59 | 1500 | 90.0 | 53.5 | 52.1 | 52.1 | 77.0 | 49.5 | 49.5 | 49.5 | 59.0 | 42.0 | 49.1 | 48.9 |
| | | 2000 | 104.0 | 64.0 | 55.5 | 55.1 | 87.0 | 58.0 | 53.1 | 52.6 | 73.0 | 53.0 | 50.5 | 49.9 |
| | | 2500 | 115.0 | 72.0 | 58.1 | 57.2 | 97.0 | 66.0 | 55.4 | 54.5 | 79.0 | 59.5 | 52.9 | 51.9 |
| 45 | 3.82 | 1500 | 81.0 | 49.5 | 54.4 | 54.4 | 60.5 | 42.0 | 54.0 | 53.8 | 43.0 | 34.8 | 53.5 | 53.1 |
| | | 2000 | 89.0 | 58.0 | 58.1 | 57.6 | 75.0 | 53.0 | 55.4 | 54.8 | 50.5 | 42.5 | 55.3 | 54.4 |
| | | 2500 | 99.0 | 66.0 | 60.4 | 59.4 | 81.0 | 60.0 | 57.8 | 56.7 | 62.0 | 52.0 | 55.7 | 54.6 |
| 50 | 2.58 | 1500 | 62.0 | 42.0 | 59.0 | 58.8 | 43.0 | 34.8 | 58.5 | 58.0 | 31.2 | 29.4 | 56.9 | 56.0 |
| | | 2000 | 77.0 | 53.5 | 60.3 | 59.7 | 50.5 | 42.5 | 60.2 | 59.2 | 37.2 | 36.2 | 58.3 | 56.8 |
| | | 2500 | 82.0 | 60.0 | 62.8 | 61.6 | 62.0 | 52.0 | 60.7 | 59.4 | 41.5 | 40.5 | 59.9 | 57.5 |



DIRECT EXPANSION COOLING CAPACITIES

90-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 8.96 | 2250 | 127.0 | 76.0 | 53.5 | 53.5 | 107.0 | 70.0 | 51.2 | 51.1 | 90.0 | 63.5 | 48.8 | 48.6 |
| | | 3000 | 144.0 | 91.0 | 56.9 | 56.4 | 123.0 | 83.0 | 54.2 | 53.6 | 101.0 | 75.0 | 51.8 | 51.1 |
| | | 3750 | 158.0 | 103.0 | 59.6 | 58.6 | 135.0 | 95.0 | 56.6 | 55.5 | 112.0 | 86.0 | 53.8 | 52.6 |
| 45 | 6.34 | 2250 | 110.0 | 70.0 | 56.2 | 56.1 | 93.0 | 64.0 | 53.6 | 53.4 | 66.0 | 53.0 | 53.2 | 52.8 |
| | | 3000 | 126.0 | 84.0 | 59.1 | 58.5 | 104.0 | 75.0 | 56.7 | 55.9 | 83.0 | 67.0 | 54.2 | 53.4 |
| | | 3750 | 139.0 | 96.0 | 61.4 | 60.3 | 114.0 | 87.0 | 58.6 | 57.4 | 96.0 | 79.0 | 55.5 | 54.3 |
| 50 | 4.08 | 2250 | 96.0 | 64.0 | 58.5 | 58.4 | 66.0 | 53.0 | 58.1 | 57.7 | 47.5 | 44.0 | 56.8 | 55.9 |
| | | 3000 | 106.0 | 76.0 | 61.6 | 60.8 | 84.0 | 68.0 | 59.1 | 58.3 | 56.5 | 54.0 | 58.3 | 56.7 |
| | | 3750 | 116.0 | 87.0 | 63.4 | 62.2 | 96.0 | 80.0 | 60.3 | 59.0 | 65.0 | 64.0 | 59.2 | 57.2 |

120-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 9.08 | 3000 | 175.0 | 105.0 | 52.7 | 52.7 | 146.0 | 95.0 | 50.6 | 50.6 | 124.0 | 87.0 | 48.1 | 48.0 |
| | | 4000 | 199.0 | 124.0 | 56.2 | 55.9 | 169.0 | 114.0 | 53.6 | 53.1 | 140.0 | 103.0 | 51.2 | 50.6 |
| | | 5000 | 219.0 | 142.0 | 58.8 | 58.0 | 186.0 | 130.0 | 55.9 | 55.0 | 155.0 | 118.0 | 53.2 | 52.2 |
| 45 | 6.45 | 3000 | 152.0 | 95.0 | 55.6 | 55.6 | 129.0 | 87.0 | 53.0 | 52.9 | 94.0 | 73.0 | 52.4 | 52.1 |
| | | 4000 | 175.0 | 115.0 | 58.5 | 58.0 | 144.0 | 103.0 | 56.1 | 55.5 | 116.0 | 92.0 | 53.6 | 52.9 |
| | | 5000 | 192.0 | 131.0 | 60.8 | 59.8 | 159.0 | 119.0 | 58.0 | 57.0 | 125.0 | 105.0 | 55.5 | 54.4 |
| 50 | 4.16 | 3000 | 132.0 | 87.0 | 58.0 | 57.9 | 94.0 | 73.0 | 57.4 | 57.0 | 65.0 | 60.5 | 56.3 | 55.6 |
| | | 4000 | 146.0 | 104.0 | 61.0 | 60.4 | 118.0 | 93.0 | 58.5 | 57.8 | 78.0 | 74.0 | 57.8 | 56.5 |
| | | 5000 | 161.0 | 119.0 | 62.9 | 61.8 | 126.0 | 106.0 | 60.4 | 59.2 | 93.0 | 89.0 | 58.5 | 56.8 |

180-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 13.54 | 5000 | 242.0 | 153.0 | 56.7 | 56.4 | 207.0 | 141.0 | 53.9 | 53.5 | 172.0 | 128.0 | 51.4 | 50.9 |
| | | 6000 | 259.0 | 169.0 | 58.9 | 58.2 | 223.0 | 157.0 | 55.8 | 55.1 | 186.0 | 143.0 | 53.0 | 52.2 |
| | | 7000 | 274.0 | 185.0 | 60.6 | 59.6 | 236.0 | 171.0 | 57.4 | 56.3 | 198.0 | 156.0 | 54.4 | 53.3 |
| 45 | 9.90 | 5000 | 214.0 | 142.0 | 58.7 | 58.3 | 177.0 | 129.0 | 56.2 | 55.7 | 148.0 | 117.0 | 53.4 | 52.8 |
| | | 6000 | 231.0 | 158.0 | 60.6 | 59.8 | 192.0 | 144.0 | 57.8 | 56.9 | 153.0 | 128.0 | 55.2 | 54.3 |
| | | 7000 | 244.0 | 173.0 | 62.1 | 61.0 | 203.0 | 158.0 | 59.1 | 57.9 | 163.0 | 142.0 | 56.3 | 55.1 |
| 50 | 6.65 | 5000 | 182.0 | 130.0 | 61.0 | 60.5 | 142.0 | 115.0 | 58.8 | 58.1 | 104.0 | 97.0 | 57.0 | 56.0 |
| | | 6000 | 196.0 | 145.0 | 62.6 | 61.7 | 155.0 | 130.0 | 60.0 | 59.0 | 119.0 | 113.0 | 57.6 | 56.3 |
| | | 7000 | 208.0 | 160.0 | 63.9 | 62.6 | 165.0 | 143.0 | 61.1 | 59.7 | 132.0 | 126.0 | 58.3 | 56.7 |

240-BHX-3

| | | | 85 degF DB/71 deg F WB | | | | 80 degF DB/67 deg F WB | | | | 75 degF DB/63 deg F WB | | | |
|-----------|--------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|------------------------|----------|---------|------|
| Suct Temp | PD PSI | CFM | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | | TTL MBH | SENS MBH | LVG AIR | |
| | | | | | DB | WB | | | DB | WB | | | DB | WB |
| 40 | 17.09 | 7000 | 296.0 | 196.0 | 59.1 | 58.5 | 255.0 | 182.0 | 56.0 | 55.3 | 215.0 | 167.0 | 53.0 | 52.3 |
| | | 8000 | 309.0 | 211.0 | 60.6 | 59.7 | 268.0 | 197.0 | 57.3 | 56.4 | 226.0 | 180.0 | 54.2 | 53.3 |
| | | 9000 | 320.0 | 225.0 | 61.9 | 60.8 | 277.0 | 209.0 | 58.5 | 57.3 | 236.0 | 192.0 | 55.3 | 54.0 |
| 45 | 12.99 | 7000 | 266.0 | 184.0 | 60.7 | 60.0 | 222.0 | 168.0 | 57.8 | 57.0 | 179.0 | 151.0 | 55.1 | 54.3 |
| | | 8000 | 278.0 | 199.0 | 62.0 | 61.0 | 233.0 | 183.0 | 58.9 | 57.9 | 189.0 | 164.0 | 56.1 | 55.0 |
| | | 9000 | 289.0 | 213.0 | 63.1 | 61.9 | 243.0 | 196.0 | 59.9 | 58.6 | 197.0 | 176.0 | 56.9 | 55.6 |
| 50 | 8.94 | 7000 | 228.0 | 170.0 | 62.5 | 61.7 | 182.0 | 153.0 | 59.8 | 59.0 | 142.0 | 134.0 | 57.3 | 56.2 |
| | | 8000 | 239.0 | 185.0 | 63.6 | 62.5 | 192.0 | 166.0 | 60.8 | 59.6 | 154.0 | 148.0 | 57.9 | 56.5 |
| | | 9000 | 249.0 | 199.0 | 64.6 | 63.2 | 201.0 | 178.0 | 61.7 | 60.2 | 163.0 | 160.0 | 58.6 | 57.0 |



HOT WATER HEATING CAPACITIES

1 ROW COILS

| 24-HH-1 | | | | | | 36-HH-1 | | | | | | 48-HH-1 | | | | | | 60-HH-1 | | | | | |
|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|
| GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F |
| 2.0 | 4.40 | 600 | 20.6 | 91.9 | 158.8 | 2.0 | 5.30 | 900 | 30.0 | 90.9 | 149.2 | 2.0 | 1.20 | 1200 | 40.0 | 91.0 | 139.0 | 2.0 | 1.30 | 1500 | 47.5 | 89.4 | 131.4 |
| | | 800 | 23.2 | 86.9 | 156.2 | | | 1200 | 33.6 | 85.9 | 145.6 | | | 1600 | 44.5 | 85.7 | 134.6 | | | 2000 | 52.5 | 84.3 | 126.6 |
| | | 1000 | 25.4 | 83.5 | 154.1 | | | 1500 | 36.4 | 82.5 | 142.8 | | | 2000 | 47.5 | 82.1 | 131.3 | | | 2500 | 56.0 | 80.8 | 122.9 |
| 3.0 | 9.90 | 600 | 21.8 | 93.7 | 165.1 | 3.0 | 11.60 | 900 | 32.2 | 93.2 | 158.0 | 4.0 | 4.50 | 1200 | 47.0 | 96.2 | 156.0 | 4.0 | 5.00 | 1500 | 57.0 | 95.2 | 150.9 |
| | | 800 | 24.8 | 88.7 | 163.1 | | | 1200 | 36.4 | 88.1 | 155.1 | | | 1600 | 53.0 | 90.7 | 152.9 | | | 2000 | 64.0 | 89.7 | 147.2 |
| | | 1000 | 27.2 | 85.1 | 161.4 | | | 1500 | 39.5 | 84.6 | 152.8 | | | 2000 | 58.0 | 86.8 | 150.4 | | | 2500 | 70.0 | 85.9 | 144.2 |
| 4.0 | 17.60 | 600 | 22.4 | 94.7 | 168.4 | 4.0 | 20.40 | 900 | 33.4 | 94.4 | 162.8 | 6.0 | 9.80 | 1200 | 49.5 | 98.3 | 163.0 | 6.0 | 10.80 | 1500 | 61.0 | 97.5 | 159.2 |
| | | 800 | 25.6 | 89.6 | 166.8 | | | 1200 | 38.0 | 89.3 | 160.5 | | | 1600 | 56.5 | 92.7 | 160.7 | | | 2000 | 69.0 | 92.0 | 156.4 |
| | | 1000 | 28.2 | 86.1 | 165.5 | | | 1500 | 41.5 | 85.7 | 158.6 | | | 2000 | 62.0 | 88.8 | 158.7 | | | 2500 | 76.0 | 88.2 | 154.1 |

2 ROW COILS

| 24-HH-2 | | | | | | 36-HH-2 | | | | | | 48-HH-2 | | | | | | 60-HH-2 | | | | | |
|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|---------|--------|------|---------|-------|-------|
| GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F |
| 2.0 | 1.30 | 600 | 32.2 | 109.7 | 147.0 | 3.0 | 1.10 | 900 | 49.0 | 110.3 | 146.6 | 4.0 | 0.80 | 1200 | 66.0 | 111.4 | 145.9 | 6.0 | 0.70 | 1500 | 86.0 | 112.9 | 150.7 |
| | | 800 | 36.4 | 102.1 | 142.8 | | | 1200 | 55.0 | 102.6 | 142.4 | | | 1600 | 75.0 | 103.5 | 141.6 | | | 2000 | 97.0 | 105.0 | 146.8 |
| | | 1000 | 39.5 | 96.6 | 139.6 | | | 1500 | 60.0 | 97.1 | 139.0 | | | 2000 | 82.0 | 97.9 | 138.2 | | | 2500 | 106.0 | 99.4 | 143.7 |
| 4.0 | 5.20 | 600 | 36.2 | 116.0 | 161.4 | 6.0 | 4.10 | 900 | 55.0 | 116.8 | 161.1 | 8.0 | 3.00 | 1200 | 75.0 | 118.4 | 160.6 | 12.0 | 2.70 | 1500 | 96.0 | 119.4 | 163.5 |
| | | 800 | 41.5 | 108.4 | 158.6 | | | 1200 | 63.5 | 109.1 | 158.3 | | | 1600 | 87.0 | 110.6 | 157.6 | | | 2000 | 111.0 | 111.6 | 160.9 |
| | | 1000 | 46.0 | 102.8 | 156.3 | | | 1500 | 70.0 | 103.5 | 155.9 | | | 2000 | 97.0 | 104.9 | 155.2 | | | 2500 | 124.0 | 105.9 | 158.8 |
| 6.0 | 11.70 | 600 | 37.5 | 118.4 | 167.0 | 9.0 | 9.00 | 900 | 57.5 | 119.3 | 166.9 | 12.0 | 6.70 | 1200 | 79.0 | 121.2 | 166.4 | 18.0 | 6.00 | 1500 | 100.0 | 121.9 | 168.6 |
| | | 800 | 44.0 | 110.9 | 165.0 | | | 1200 | 67.0 | 111.7 | 164.7 | | | 1600 | 92.0 | 113.5 | 164.2 | | | 2000 | 117.0 | 114.2 | 166.6 |
| | | 1000 | 49.0 | 105.4 | 163.2 | | | 1500 | 75.0 | 106.2 | 162.9 | | | 2000 | 103.0 | 107.8 | 162.3 | | | 2500 | 131.0 | 108.6 | 165.1 |

| 90-HH-2 | | | | | | 120-HH-2 | | | | | | 180-HH-2 | | | | | | 240-HH-2 | | | | | |
|---------|--------|------|---------|-------|-------|----------|--------|------|---------|-------|-------|----------|--------|------|---------|-------|-------|----------|--------|------|---------|-------|-------|
| GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F | GPM | PD FT. | CFM | TTL MBH | LAT F | LWT F |
| 9.0 | 1.20 | 2250 | 132.0 | 114.3 | 150.0 | 11.0 | 1.50 | 3000 | 173.0 | 113.3 | 147.9 | 14.0 | 2.00 | 5000 | 267.0 | 109.4 | 141.0 | 12.8 | 0.90 | 7000 | 328.0 | 103.3 | 127.9 |
| | | 3000 | 150.0 | 106.3 | 145.9 | | | 4000 | 196.0 | 105.3 | 143.6 | | | 6000 | 288.0 | 104.4 | 138.0 | | | 8000 | 343.0 | 99.7 | 125.4 |
| | | 3750 | 164.0 | 100.6 | 142.7 | | | 5000 | 214.0 | 99.6 | 140.2 | | | 7000 | 306.0 | 100.4 | 135.4 | | | 9000 | 357.0 | 96.7 | 123.2 |
| 18.0 | 4.60 | 2250 | 147.0 | 120.5 | 163.2 | 22.0 | 5.60 | 3000 | 194.0 | 119.8 | 161.9 | 28.0 | 7.60 | 5000 | 306.0 | 116.6 | 157.6 | 22.4 | 2.60 | 7000 | 384.0 | 110.7 | 145.0 |
| | | 3000 | 171.0 | 112.8 | 160.5 | | | 4000 | 225.5 | 112.0 | 159.1 | | | 6000 | 335.0 | 111.7 | 155.5 | | | 8000 | 408.0 | 107.1 | 142.8 |
| | | 3750 | 190.0 | 107.0 | 158.3 | | | 5000 | 250.0 | 106.3 | 156.7 | | | 7000 | 361.0 | 107.6 | 153.7 | | | 9000 | 429.0 | 104.0 | 141.0 |
| 27.0 | 10.20 | 2250 | 153.0 | 122.9 | 168.4 | 33.0 | 12.40 | 3000 | 202.0 | 122.3 | 167.4 | 42.0 | 16.70 | 5000 | 321.0 | 119.4 | 164.3 | 40.0 | 7.80 | 7000 | 425.0 | 116.1 | 158.3 |
| | | 3000 | 179.0 | 115.3 | 166.4 | | | 4000 | 236.0 | 114.6 | 165.3 | | | 6000 | 354.0 | 114.5 | 162.7 | | | 8000 | 455.0 | 112.5 | 156.8 |
| | | 3750 | 201.0 | 109.6 | 164.7 | | | 5000 | 265.0 | 108.9 | 163.6 | | | 7000 | 383.0 | 110.5 | 161.3 | | | 9000 | 481.0 | 109.4 | 155.4 |

CAPACITIES BASED ON 60° EAT AND 180° EWT.

Units not recommended for heating applications when the leaving air exceeds 130 degrees.



STEAM CAPACITIES

NON-STOCK CUSTOM STEAM COILS (Max. 25#) Capacities based on 70° Entering Air Dry Bulb – 5# Steam Pressure

| MODEL | Capacity | MODEL | Capacity | Nominal CFM |
|----------|----------|----------|----------|-------------|
| 24 SS-1 | 33610 | 24 SS-2 | 63889 | 800 |
| 36 SS-1 | 52149 | 36 SS-2 | 98290 | 1200 |
| 48 SS-1 | 67687 | 48 SS-2 | 128449 | 1600 |
| 60 SS-1 | 84958 | 60 SS-2 | 161060 | 2000 |
| 90 SS-1 | 131226 | 90 SS-2 | 246910 | 3000 |
| 120 SS-1 | 176552 | 120 SS-2 | 331395 | 4000 |
| 180 SS-1 | 264489 | 180 SS-2 | 496628 | 6000 |
| 240 SS-1 | 346975 | 240 SS-2 | 654312 | 8000 |

STEAM HEATING CORRECTION FACTORS

| Entering Air Temp | STEAM PRESSURE PSIG | | | | | | | | |
|-------------------|---------------------|------|------|------|------|------|------|------|------|
| | 0 | 2 | 5 | 10 | 15 | 20 | 25 | 40 | 60 |
| -20° | 1.46 | 1.50 | 1.55 | 1.63 | 1.70 | 1.7 | 1.80 | 1.93 | 2.05 |
| 0° | 1.33 | 1.37 | 1.41 | 1.46 | 1.55 | 1.63 | 1.68 | 1.79 | 1.92 |
| 20° | 1.21 | 1.26 | 1.31 | 1.36 | 1.45 | 1.50 | 1.56 | 1.67 | 1.79 |
| 40° | 1.09 | 1.15 | 1.19 | 1.25 | 1.33 | 1.38 | 1.44 | 1.55 | 1.67 |
| 60° | .96 | 1.02 | 1.07 | 1.13 | 1.21 | 1.24 | 1.29 | 1.38 | 1.56 |
| 70° | .89 | .95 | 1.00 | 1.08 | 1.15 | 1.19 | 1.24 | 1.36 | 1.48 |
| 80° | .82 | .88 | .92 | .98 | 1.06 | 1.12 | 1.17 | 1.30 | 1.43 |
| 100° | .71 | .75 | .81 | .88 | .95 | 1.00 | 1.05 | 1.18 | 1.31 |

If used in an air unit and leaving air temperature exceeds 130°F, contact the factory for proper motor information and sizing.

HOT WATER HEATING CORRECTION FACTORS

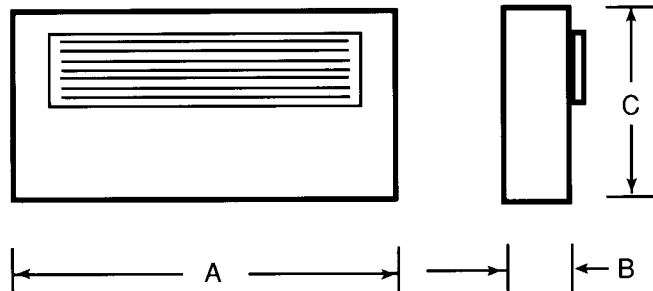
| Entering Air Temp (F) | Entering Water Temp (F) | | | | | | | | |
|-----------------------|-------------------------|------|------|------|------|------|------|-------|-------|
| | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
| 50° | .419 | .500 | .579 | .665 | .742 | .838 | .917 | 1.000 | 1.090 |
| 55° | .376 | .460 | .544 | .629 | .708 | .791 | .873 | .963 | 1.048 |
| 60° | .335 | .419 | .500 | .579 | .665 | .742 | .838 | .917 | 1.000 |
| 65° | .290 | .376 | .460 | .544 | .629 | .708 | .791 | .873 | .963 |
| 70° | .251 | .335 | .419 | .500 | .579 | .665 | .742 | .838 | .917 |
| 75° | .205 | .290 | .376 | .460 | .544 | .629 | .708 | .791 | .873 |
| 80° | .167 | .251 | .335 | .419 | .500 | .579 | .665 | .742 | .838 |

When correction factors are used for various entering air and entering water temperatures, multiply the correction factor times the above listed capacity. The correction factors may be used with all Magic Aire published 180° E.W.T. heating capacities.

OPTIONAL ACCESSORIES

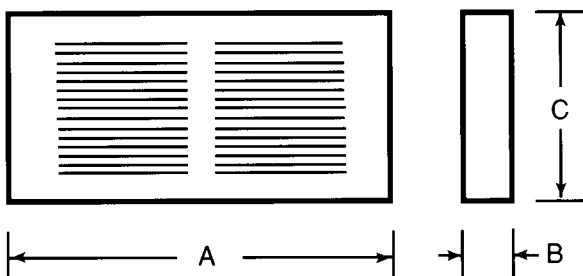
DISCHARGE GRILLE PLENUM

Adjustable four way deflection

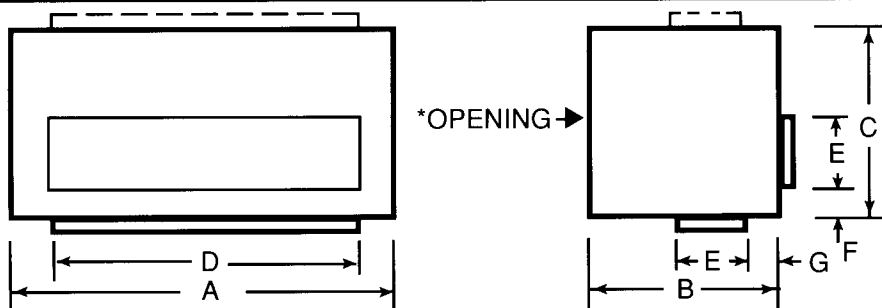


| MODEL | A | B | C | WT. |
|----------|------|-----|------|-----|
| 24 BHGP | 27.0 | 6.0 | 18.0 | 17 |
| 36 BHGP | 36.5 | 6.0 | 18.0 | 20 |
| 48 BHGP | 38.0 | 6.0 | 22.0 | 25 |
| 60 BHGP | 45.0 | 6.0 | 22.0 | 27 |
| 90 BHGP | 54.0 | 6.0 | 27.0 | 41 |
| 120 BHGP | 57.0 | 6.0 | 34.0 | 58 |
| 180 BHGP | 67.1 | 6.0 | 42.0 | 70 |
| 240 BHGP | 72.0 | 6.0 | 47.0 | 70 |

RETURN AIR GRILLE



| MODEL | A | B | C | WT. |
|----------|------|-----|------|-----|
| 24 BHRG | 18.0 | 2.0 | 16.0 | 6 |
| 36 BHRG | 27.5 | 2.0 | 16.0 | 7 |
| 48 BHRG | 29.0 | 2.0 | 20.0 | 8 |
| 60 BHRG | 36.0 | 2.0 | 20.0 | 9 |
| 90 BHRG | 45.0 | 2.0 | 25.0 | 14 |
| 120 BHRG | 48.0 | 2.0 | 32.0 | 19 |
| 180 BHRG | 57.8 | 2.0 | 40.3 | 23 |
| 240 BHRG | 66.0 | 2.0 | 45.0 | 24 |



MIXING BOX WITH LOW LEAK DAMPERS.

May be attached to air unit for top/rear or bottom/rear duct connection

| MODEL | A | B | C | D | E | F | G | WT. |
|--------|------|------|-------|------|------|------|-----|-----|
| 24 MB | 18.0 | 16.0 | 16.00 | 16.0 | 8.0 | 6.0 | 3.5 | 43 |
| 36 MB | 27.5 | 16.0 | 16.00 | 25.5 | 8.0 | 6.0 | 3.5 | 60 |
| 48 MB | 29.0 | 16.0 | 20.00 | 27.0 | 8.0 | 8.0 | 3.5 | 65 |
| 60 MB | 36.0 | 16.0 | 20.00 | 34.0 | 8.0 | 8.0 | 3.5 | 75 |
| 90 MB | 45.0 | 18.0 | 25.00 | 43.0 | 10.0 | 8.0 | 3.5 | 115 |
| 120 MB | 48.0 | 20.0 | 32.00 | 46.0 | 12.0 | 10.0 | 3.5 | 131 |
| 180 MB | 58.0 | 22.0 | 40.25 | 56.0 | 14.0 | 12.0 | 3.5 | 186 |
| 240 MB | 66.0 | 22.0 | 45.00 | 64.0 | 14.0 | 15.0 | 3.5 | 201 |

*Unit side connection

BHX 5.1