

OTIS HORIZONTAL

TECHNICAL INFORMATION

(For connection types, please refer to the last page)

| MODEL CODE       | Width x Height | Tube   | Depth (D) | Pipe Centers (A) | Wall to Pipe Centers (L) | Depth From Wall (K) | Wall To Radiator Back (M) | Space Between Tubes (E) | Tube Width (F) | Water Volume | Fuel Type |
|------------------|----------------|--------|-----------|------------------|--------------------------|---------------------|---------------------------|-------------------------|----------------|--------------|-----------|
|                  | mm             | pieces | mm        | mm               | mm                       | mm                  | mm                        | mm                      | mm             | L            |           |
| 5040103502040800 | 780 x 200      | 2      | 43        | 745              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.34         | C         |
| 5040103503080800 | 780 x 310      | 3      | 43        | 745              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.51         | C-E-D     |
| 5040103504120800 | 780 x 410      | 4      | 43        | 745              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.68         | C-E-D     |
| 5040103505160800 | 780 x 520      | 5      | 43        | 745              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.85         | C-E-D     |
| 5040103506200800 | 780 x 620      | 6      | 43        | 745              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.02         | C-E-D     |
| 5040103502040900 | 880 x 200      | 2      | 43        | 845              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.37         | C         |
| 5040103503080900 | 880 x 310      | 3      | 43        | 845              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.55         | C-E-D     |
| 5040103504120900 | 880 x 410      | 4      | 43        | 845              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.74         | C-E-D     |
| 5040103505160900 | 880 x 520      | 5      | 43        | 845              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.92         | C-E-D     |
| 5040103506200900 | 880 x 620      | 6      | 43        | 845              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.11         | C-E-D     |
| 5040103502041000 | 980 x 200      | 2      | 43        | 945              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.40         | C         |
| 5040103503081000 | 980 x 310      | 3      | 43        | 945              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.60         | C-E-D     |
| 5040103504121000 | 980 x 410      | 4      | 43        | 945              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.80         | C-E-D     |
| 5040103505161000 | 980 x 520      | 5      | 43        | 945              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.99         | C-E-D     |
| 5040103506201000 | 980 x 620      | 6      | 43        | 945              | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.19         | C-E-D     |
| 5040103502041100 | 1080 x 200     | 2      | 43        | 1045             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.43         | C         |
| 5040103503081100 | 1080 x 310     | 3      | 43        | 1045             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.64         | C-E-D     |
| 5040103504121100 | 1080 x 410     | 4      | 43        | 1045             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.85         | C-E-D     |
| 5040103505161100 | 1080 x 520     | 5      | 43        | 1045             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.07         | C-E-D     |
| 5040103506201100 | 1080 x 620     | 6      | 43        | 1045             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.28         | C-E-D     |
| 5040103502041200 | 1180 x 200     | 2      | 43        | 1145             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.46         | C         |
| 5040103503081200 | 1180 x 310     | 3      | 43        | 1145             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.68         | C-E-D     |
| 5040103504121200 | 1180 x 410     | 4      | 43        | 1145             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.91         | C-E-D     |
| 5040103505161200 | 1180 x 520     | 5      | 43        | 1145             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.14         | C-E-D     |
| 5040103506201200 | 1180 x 620     | 6      | 43        | 1145             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.36         | C-E-D     |
| 5040103502041300 | 1280 x 200     | 2      | 43        | 1245             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.49         | C         |
| 5040103503081300 | 1280 x 310     | 3      | 43        | 1245             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.73         | C-E-D     |
| 5040103504121300 | 1280 x 410     | 4      | 43        | 1245             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.97         | C-E-D     |
| 5040103505161300 | 1280 x 520     | 5      | 43        | 1245             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.21         | C-E-D     |
| 5040103506201300 | 1280 x 620     | 6      | 43        | 1245             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.45         | C-E-D     |
| 5040103502041400 | 1380 x 200     | 2      | 43        | 1345             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.51         | C         |
| 5040103503081400 | 1380 x 310     | 3      | 43        | 1345             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.77         | C-E-D     |
| 5040103504121400 | 1380 x 410     | 4      | 43        | 1345             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.02         | C-E-D     |
| 5040103505161400 | 1380 x 520     | 5      | 43        | 1345             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.28         | C-E-D     |
| 5040103506201400 | 1380 x 620     | 6      | 43        | 1345             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.54         | C-E-D     |
| 5040103502041500 | 1480 x 200     | 2      | 43        | 1445             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.54         | C         |
| 5040103503081500 | 1480 x 310     | 3      | 43        | 1445             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.81         | C-E-D     |
| 5040103504121500 | 1480 x 410     | 4      | 43        | 1445             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.08         | C-E-D     |
| 5040103505161500 | 1480 x 520     | 5      | 43        | 1445             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.35         | C-E-D     |
| 5040103506201500 | 1480 x 620     | 6      | 43        | 1445             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.62         | C-E-D     |
| 5040103502041600 | 1580 x 200     | 2      | 43        | 1545             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.57         | C         |
| 5040103503081600 | 1580 x 310     | 3      | 43        | 1545             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.86         | C-E-D     |
| 5040103504121600 | 1580 x 410     | 4      | 43        | 1545             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.14         | C-E-D     |
| 5040103505161600 | 1580 x 520     | 5      | 43        | 1545             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.42         | C-E-D     |
| 5040103506201600 | 1580 x 620     | 6      | 43        | 1545             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.71         | C-E-D     |
| 5040103502041700 | 1680 x 200     | 2      | 43        | 1645             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.60         | C         |
| 5040103503081700 | 1680 x 310     | 3      | 43        | 1645             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.90         | C-E-D     |
| 5040103504121700 | 1680 x 410     | 4      | 43        | 1645             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.20         | C-E-D     |
| 5040103505161700 | 1680 x 520     | 5      | 43        | 1645             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.49         | C-E-D     |
| 5040103506201700 | 1680 x 620     | 6      | 43        | 1645             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.79         | C-E-D     |
| 5040103502041800 | 1780 x 200     | 2      | 43        | 1745             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.63         | C         |
| 5040103503081800 | 1780 x 310     | 3      | 43        | 1745             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 0.94         | C-E-D     |
| 5040103504121800 | 1780 x 410     | 4      | 43        | 1745             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.25         | C-E-D     |
| 5040103505161800 | 1780 x 520     | 5      | 43        | 1745             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.57         | C-E-D     |
| 5040103506201800 | 1780 x 620     | 6      | 43        | 1745             | 60-86                    | 94-120              | 47-73                     | 4                       | 100            | 1.88         | C-E-D     |

HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |      | Heat Outputs<br>ΔT 60 °C |      |
|------------------|--------------------------|------|--------------------------|------|
|                  | Watt                     | Btu  | Watt                     | Btu  |
| 5040103502040800 | 208                      | 709  | 270                      | 922  |
| 5040103503080800 | 312                      | 1064 | 406                      | 1383 |
| 5040103504120800 | 416                      | 1419 | 541                      | 1845 |
| 5040103505160800 | 520                      | 1774 | 676                      | 2306 |
| 5040103506200800 | 624                      | 2128 | 811                      | 2767 |
| 5040103502040900 | 229                      | 781  | 298                      | 1015 |
| 5040103503080900 | 344                      | 1171 | 447                      | 1523 |
| 5040103504120900 | 458                      | 1562 | 595                      | 2030 |
| 5040103505160900 | 573                      | 1952 | 744                      | 2538 |
| 5040103506200900 | 687                      | 2343 | 893                      | 3045 |
| 5040103502041000 | 249                      | 849  | 324                      | 1104 |
| 5040103503081000 | 373                      | 1273 | 485                      | 1655 |
| 5040103504121000 | 498                      | 1698 | 647                      | 2207 |
| 5040103505161000 | 622                      | 2122 | 809                      | 2759 |
| 5040103506201000 | 747                      | 2547 | 971                      | 3311 |
| 5040103502041100 | 271                      | 923  | 352                      | 1200 |
| 5040103503081100 | 406                      | 1384 | 528                      | 1800 |
| 5040103504121100 | 541                      | 1846 | 704                      | 2399 |
| 5040103505161100 | 677                      | 2307 | 880                      | 2999 |
| 5040103506201100 | 812                      | 2769 | 1055                     | 3599 |
| 5040103502041200 | 286                      | 975  | 372                      | 1267 |
| 5040103503081200 | 429                      | 1462 | 557                      | 1901 |
| 5040103504121200 | 572                      | 1949 | 743                      | 2534 |
| 5040103505161200 | 715                      | 2437 | 929                      | 3168 |
| 5040103506201200 | 857                      | 2924 | 1115                     | 3801 |
| 5040103502041300 | 311                      | 1060 | 404                      | 1377 |
| 5040103503081300 | 466                      | 1589 | 606                      | 2066 |
| 5040103504121300 | 621                      | 2119 | 808                      | 2755 |
| 5040103505161300 | 777                      | 2649 | 1010                     | 3444 |
| 5040103506201300 | 932                      | 3179 | 1212                     | 4132 |
| 5040103502041400 | 328                      | 1119 | 427                      | 1455 |
| 5040103503081400 | 492                      | 1679 | 640                      | 2182 |
| 5040103504121400 | 656                      | 2238 | 853                      | 2910 |
| 5040103505161400 | 820                      | 2798 | 1067                     | 3637 |
| 5040103506201400 | 985                      | 3357 | 1280                     | 4364 |
| 5040103502041500 | 357                      | 1217 | 464                      | 1582 |
| 5040103503081500 | 535                      | 1825 | 696                      | 2372 |
| 5040103504121500 | 714                      | 2433 | 928                      | 3163 |
| 5040103505161500 | 892                      | 3041 | 1159                     | 3954 |
| 5040103506201500 | 1070                     | 3650 | 1391                     | 4745 |
| 5040103502041600 | 377                      | 1285 | 490                      | 1670 |
| 5040103503081600 | 565                      | 1927 | 735                      | 2506 |
| 5040103504121600 | 754                      | 2570 | 980                      | 3341 |
| 5040103505161600 | 942                      | 3212 | 1225                     | 4176 |
| 5040103506201600 | 1130                     | 3855 | 1470                     | 5011 |
| 5040103502041700 | 410                      | 1397 | 533                      | 1816 |
| 5040103503081700 | 614                      | 2095 | 799                      | 2724 |
| 5040103504121700 | 819                      | 2794 | 1065                     | 3632 |
| 5040103505161700 | 1024                     | 3492 | 1331                     | 4540 |
| 5040103506201700 | 1229                     | 4190 | 1598                     | 5448 |
| 5040103502041800 | 433                      | 1475 | 562                      | 1918 |
| 5040103503081800 | 649                      | 2213 | 844                      | 2877 |
| 5040103504121800 | 865                      | 2951 | 1125                     | 3836 |
| 5040103505161800 | 1082                     | 3688 | 1406                     | 4795 |
| 5040103506201800 | 1298                     | 4426 | 1687                     | 5753 |

LOGISTICS INFORMATION

| Net Weight | Gross Weight | Package Volume | Package Dimensions (H x W x D) |
|------------|--------------|----------------|--------------------------------|
| kg         | kg           | m³             | mm                             |
| 2.29       | 3.46         | 0.02           | 890X239X78                     |
| 3.44       | 4.78         | 0.03           | 890X343X78                     |
| 4.59       | 6.12         | 0.04           | 890X447X78                     |
| 5.73       | 7.45         | 0.04           | 890X551X78                     |
| 6.87       | 8.77         | 0.05           | 890X655X78                     |
| 2.50       | 3.74         | 0.02           | 990X239X78                     |
| 3.76       | 5.21         | 0.03           | 990X343X78                     |
| 5.01       | 6.67         | 0.04           | 990X447X78                     |
| 6.27       | 8.13         | 0.05           | 990X551X78                     |
| 7.51       | 9.57         | 0.06           | 990X655X78                     |
| 2.72       | 4.05         | 0.03           | 1090X239X78                    |
| 4.08       | 5.63         | 0.03           | 1090X343X78                    |
| 5.44       | 7.22         | 0.04           | 1090X447X78                    |
| 6.80       | 8.80         | 0.05           | 1090X551X78                    |
| 8.16       | 10.39        | 0.06           | 1090X655X78                    |
| 2.93       | 4.35         | 0.03           | 1190X239X78                    |
| 4.40       | 6.06         | 0.04           | 1190X343X78                    |
| 5.87       | 7.78         | 0.05           | 1190X447X78                    |
| 7.34       | 9.49         | 0.06           | 1190X551X78                    |
| 8.80       | 11.18        | 0.07           | 1190X655X78                    |
| 3.15       | 4.65         | 0.03           | 1290X239X78                    |
| 4.72       | 6.49         | 0.04           | 1290X343X78                    |
| 6.30       | 8.31         | 0.05           | 1290X447X78                    |
| 7.88       | 10.16        | 0.06           | 1290X551X78                    |
| 9.44       | 11.98        | 0.07           | 1290X655X78                    |
| 3.36       | 4.95         | 0.03           | 1390X239X78                    |
| 5.04       | 6.90         | 0.04           | 1390X343X78                    |
| 6.73       | 8.87         | 0.05           | 1390X447X78                    |
| 8.41       | 10.83        | 0.06           | 1390X551X78                    |
| 10.08      | 12.79        | 0.08           | 1390X655X78                    |
| 3.58       | 5.25         | 0.03           | 1490X239X78                    |
| 5.37       | 7.33         | 0.04           | 1490X343X78                    |
| 7.16       | 9.42         | 0.06           | 1490X447X78                    |
| 8.95       | 11.51        | 0.07           | 1490X551X78                    |
| 10.73      | 13.59        | 0.08           | 1490X655X78                    |
| 3.79       | 5.54         | 0.03           | 1590X239X78                    |
| 5.69       | 7.76         | 0.05           | 1590X343X78                    |
| 7.58       | 9.97         | 0.06           | 1590X447X78                    |
| 9.48       | 12.18        | 0.07           | 1590X551X78                    |
| 11.37      | 14.39        | 0.09           | 1590X655X78                    |
| 3.99       | 5.82         | 0.04           | 1690X239X78                    |
| 5.99       | 8.16         | 0.05           | 1690X343X78                    |
| 7.98       | 10.49        | 0.06           | 1690X447X78                    |
| 9.98       | 12.82        | 0.08           | 1690X551X78                    |
| 11.98      | 15.14        | 0.09           | 1690X655X78                    |
| 4.21       | 6.12         | 0.04           | 1790X239X78                    |
| 6.31       | 8.58         | 0.05           | 1790X343X78                    |
| 8.41       | 11.04        | 0.07           | 1790X447X78                    |
| 10.51      | 13.49        | 0.08           | 1790X551X78                    |
| 12.62      | 15.95        | 0.10           | 1790X655X78                    |
| 4.42       | 6.42         | 0.04           | 1890X239X78                    |
| 6.63       | 9.00         | 0.06           | 1890X343X78                    |
| 8.84       | 11.57        | 0.07           | 1890X447X78                    |
| 11.05      | 14.15        | 0.09           | 1890X551X78                    |
| 13.27      | 16.75        | 0.10           | 1890X655X78                    |