

LAPIS

TECHNICAL INFORMATION

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

| MODEL CODE       | Height x Width | 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            |           |
| 5010103503000315 | 280 x 320      | 5      | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.38         | C         |
| 5010103503000385 | 280 x 390      | 6      | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.46         | C         |
| 5010103503000455 | 280 x 460      | 7      | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.54         | C-E-D     |
| 5010103503000525 | 280 x 530      | 8      | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.62         | C-E-D     |
| 5010103503000595 | 280 x 600      | 9      | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.70         | C-E-D     |
| 5010103503000665 | 280 x 670      | 10     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.78         | C-E-D     |
| 5010103503000735 | 280 x 740      | 11     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.86         | C-E-D     |
| 5010103503000805 | 280 x 810      | 12     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.94         | C-E-D     |
| 5010103503000875 | 280 x 880      | 13     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.02         | C-E-D     |
| 5010103503000945 | 280 x 950      | 14     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.10         | C-E-D     |
| 5010103503001015 | 280 x 1020     | 15     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.18         | C-E-D     |
| 5010103503001085 | 280 x 1090     | 16     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.26         | C-E-D     |
| 5010103503001155 | 280 x 1160     | 17     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.34         | C-E-D     |
| 5010103503001225 | 280 x 1230     | 18     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.42         | C-E-D     |
| 5010103503001295 | 280 x 1300     | 19     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.50         | C-E-D     |
| 5010103503001365 | 280 x 1370     | 20     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.58         | C-E-D     |
| 5010103503001435 | 280 x 1440     | 21     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.66         | C         |
| 5010103503001505 | 280 x 1510     | 22     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.73         | C         |
| 5010103503001575 | 280 x 1580     | 23     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.81         | C         |
| 5010103503001645 | 280 x 1650     | 24     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.89         | C         |
| 5010103503001715 | 280 x 1720     | 25     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.97         | C         |
| 5010103503001785 | 280 x 1790     | 26     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.05         | C         |
| 5010103503001855 | 280 x 1860     | 27     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.13         | C         |
| 5010103503001925 | 280 x 1930     | 28     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.21         | C         |
| 5010103503001995 | 280 x 2000     | 29     | 94        | 245              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.29         | C         |
| 5010103504000315 | 380 x 320      | 5      | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.45         | C         |
| 5010103504000385 | 380 x 390      | 6      | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.55         | C         |
| 5010103504000455 | 380 x 460      | 7      | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.64         | C-E-D     |
| 5010103504000525 | 380 x 530      | 8      | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.74         | C-E-D     |
| 5010103504000595 | 380 x 600      | 9      | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.83         | C-E-D     |
| 5010103504000665 | 380 x 670      | 10     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.92         | C-E-D     |
| 5010103504000735 | 380 x 740      | 11     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.02         | C-E-D     |
| 5010103504000805 | 380 x 810      | 12     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.11         | C-E-D     |
| 5010103504000875 | 380 x 880      | 13     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.20         | C-E-D     |
| 5010103504000945 | 380 x 950      | 14     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.30         | C-E-D     |
| 5010103504001015 | 380 x 1020     | 15     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.39         | C-E-D     |
| 5010103504001085 | 380 x 1090     | 16     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.49         | C-E-D     |
| 5010103504001155 | 380 x 1160     | 17     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.58         | C-E-D     |
| 5010103504001225 | 380 x 1230     | 18     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.67         | C-E-D     |
| 5010103504001295 | 380 x 1300     | 19     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.77         | C-E-D     |
| 5010103504001365 | 380 x 1370     | 20     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.86         | C-E-D     |
| 5010103504001435 | 380 x 1440     | 21     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.96         | C         |
| 5010103504001505 | 380 x 1510     | 22     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.05         | C         |
| 5010103504001575 | 380 x 1580     | 23     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.14         | C         |
| 5010103504001645 | 380 x 1650     | 24     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.24         | C         |
| 5010103504001715 | 380 x 1720     | 25     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.33         | C         |
| 5010103504001785 | 380 x 1790     | 26     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.42         | C         |
| 5010103504001855 | 380 x 1860     | 27     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.52         | C         |
| 5010103504001925 | 380 x 1930     | 28     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.61         | C         |
| 5010103504001995 | 380 x 2000     | 29     | 94        | 345              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.71         | C         |
| 5010103505000315 | 480 x 320      | 5      | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.53         | C         |
| 5010103505000385 | 480 x 390      | 6      | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.63         | C         |
| 5010103505000455 | 480 x 460      | 7      | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.74         | C-E-D     |
| 5010103505000525 | 480 x 530      | 8      | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.85         | C-E-D     |
| 5010103505000595 | 480 x 600      | 9      | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.96         | C-E-D     |
| 5010103505000665 | 480 x 670      | 10     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.07         | C-E-D     |
| 5010103505000735 | 480 x 740      | 11     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.17         | C-E-D     |
| 5010103505000805 | 480 x 810      | 12     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.28         | C-E-D     |
| 5010103505000875 | 480 x 880      | 13     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.39         | C-E-D     |
| 5010103505000945 | 480 x 950      | 14     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.50         | C-E-D     |
| 5010103505001015 | 480 x 1020     | 15     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.61         | C-E-D     |
| 5010103505001085 | 480 x 1090     | 16     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.72         | C-E-D     |
| 5010103505001155 | 480 x 1160     | 17     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.82         | C-E-D     |
| 5010103505001225 | 480 x 1230     | 18     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.93         | C-E-D     |
| 5010103505001295 | 480 x 1300     | 19     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.04         | C-E-D     |
| 5010103505001365 | 480 x 1370     | 20     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.15         | C-E-D     |
| 5010103505001435 | 480 x 1440     | 21     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.26         | C         |
| 5010103505001505 | 480 x 1510     | 22     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.36         | C         |
| 5010103505001575 | 480 x 1580     | 23     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.47         | C         |
| 5010103505001645 | 480 x 1650     | 24     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.58         | C         |
| 5010103505001715 | 480 x 1720     | 25     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.69         | C         |
| 5010103505001785 | 480 x 1790     | 26     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.80         | C         |
| 5010103505001855 | 480 x 1860     | 27     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.90         | C         |
| 5010103505001925 | 480 x 1930     | 28     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.01         | C         |
| 5010103505001995 | 480 x 2000     | 29     | 94        | 445              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.12         | C         |
| 5010103506000315 | 580 x 320      | 5      | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.60         | C         |
| 5010103506000385 | 580 x 390      | 6      | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.72         | C         |
| 5010103506000455 | 580 x 460      | 7      | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.84         | C-E-D     |
| 5010103506000525 | 580 x 530      | 8      | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.96         | C-E-D     |
| 5010103506000595 | 580 x 600      | 9      | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.09         | C-E-D     |
| 5010103506000665 | 580 x 670      | 10     | 94        | 545              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.21         | C-E-D     |

HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |      | Heat Outputs<br>ΔT 60 °C |      |
|------------------|--------------------------|------|--------------------------|------|
|                  | mm                       | Watt | Btu                      | Watt |
| 5010103503000315 | 161                      | 548  | 209                      | 713  |
| 5010103503000385 | 193                      | 658  | 251                      | 856  |
| 5010103503000455 | 225                      | 768  | 293                      | 998  |
| 5010103503000525 | 257                      | 877  | 335                      | 1141 |
| 5010103503000595 | 289                      | 987  | 376                      | 1283 |
| 5010103503000665 | 322                      | 1097 | 418                      | 1426 |
| 5010103503000735 | 354                      | 1206 | 460                      | 1568 |
| 5010103503000805 | 386                      | 1316 | 502                      | 1711 |
| 5010103503000875 | 418                      | 1426 | 544                      | 1854 |
| 5010103503000945 | 450                      | 1535 | 585                      | 1996 |
| 5010103503001015 | 482                      | 1645 | 627                      | 2139 |
| 5010103503001085 | 515                      | 1755 | 669                      | 2281 |
| 5010103503001155 | 547                      | 1865 | 711                      | 2424 |
| 5010103503001225 | 579                      | 1974 | 753                      | 2566 |
| 5010103503001295 | 611                      | 2084 | 794                      | 2709 |
| 5010103503001365 | 643                      | 2194 | 836                      | 2852 |
| 5010103503001435 | 675                      | 2303 | 878                      | 2994 |
| 5010103503001505 | 708                      | 2413 | 920                      | 3137 |
| 5010103503001575 | 740                      | 2523 | 962                      | 3279 |
| 5010103503001645 | 772                      | 2632 | 1004                     | 3422 |
| 5010103503001715 | 804                      | 2742 | 1045                     | 3565 |
| 5010103503001785 | 836                      | 2852 | 1087                     | 3707 |
| 5010103503001855 | 868                      | 2961 | 1129                     | 3850 |
| 5010103503001925 | 901                      | 3071 | 1171                     | 3992 |
| 5010103503001995 | 933                      | 3181 | 1213                     | 4135 |
| 5010103504000315 | 219                      | 747  | 285                      | 972  |
| 5010103504000385 | 263                      | 897  | 342                      | 1166 |
| 5010103504000455 | 307                      | 1046 | 399                      | 1360 |
| 5010103504000525 | 351                      | 1196 | 456                      | 1554 |
| 5010103504000595 | 394                      | 1345 | 513                      | 1749 |
| 5010103504000665 | 438                      | 1495 | 570                      | 1943 |
| 5010103504000735 | 482                      | 1644 | 627                      | 2137 |
| 5010103504000805 | 526                      | 1794 | 684                      | 2332 |
| 5010103504000875 | 570                      | 1943 | 741                      | 2526 |
| 5010103504000945 | 614                      | 2093 | 798                      | 2720 |
| 5010103504001015 | 657                      | 2242 | 855                      | 2915 |
| 5010103504001085 | 701                      | 2391 | 912                      | 3109 |
| 5010103504001155 | 745                      | 2541 | 969                      | 3303 |
| 5010103504001225 | 789                      | 2690 | 1026                     | 3498 |
| 5010103504001295 | 833                      | 2840 | 1083                     | 3692 |
| 5010103504001365 | 877                      | 2989 | 1140                     | 3886 |
| 5010103504001435 | 920                      | 3139 | 1197                     | 4080 |
| 5010103504001505 | 964                      | 3288 | 1254                     | 4275 |
| 5010103504001575 | 1008                     | 3438 | 1311                     | 4469 |
| 5010103504001645 | 1052                     | 3587 | 1368                     | 4663 |
| 5010103504001715 | 1096                     | 3737 | 1425                     | 4858 |
| 5010103504001785 | 1140                     | 3886 | 1482                     | 5052 |
| 5010103504001855 | 1183                     | 4036 | 1538                     | 5246 |
| 5010103504001925 | 1227                     | 4185 | 1595                     | 5441 |
| 5010103504001995 | 1271                     | 4334 | 1652                     | 5635 |
| 5010103505000315 | 280                      | 955  | 364                      | 1241 |
| 5010103505000385 | 336                      | 1146 | 437                      | 1489 |
| 5010103505000455 | 392                      | 1337 | 510                      | 1738 |
| 5010103505000525 | 448                      | 1528 | 582                      | 1986 |
| 5010103505000595 | 504                      | 1719 | 655                      | 2234 |
| 5010103505000665 | 560                      | 1910 | 728                      | 2482 |
| 5010103505000735 | 616                      | 2101 | 801                      | 2731 |
| 5010103505000805 | 672                      | 2291 | 874                      | 2979 |
| 5010103505000875 | 728                      | 2482 | 946                      | 3227 |
| 5010103505000945 | 784                      | 2673 | 1019                     | 3475 |
| 5010103505001015 | 840                      | 2864 | 1092                     | 3724 |
| 5010103505001085 | 896                      | 3055 | 1165                     | 3972 |
| 5010103505001155 | 952                      | 3246 | 1238                     | 4220 |
| 5010103505001225 | 1008                     | 3437 | 1310                     | 4468 |
| 5010103505001295 | 1064                     | 3628 | 1383                     | 4717 |
| 5010103505001365 | 1120                     | 3819 | 1456                     | 4965 |
| 5010103505001435 | 1176                     | 4010 | 1529                     | 5213 |
| 5010103505001505 | 1232                     | 4201 | 1602                     | 5461 |
| 5010103505001575 | 1288                     | 4392 | 1674                     | 5710 |
| 5010103505001645 | 1344                     | 4583 | 1747                     | 5958 |
| 5010103505001715 | 1400                     | 4774 | 1820                     | 6206 |
| 5010103505001785 | 1456                     | 4965 | 1893                     | 6454 |
| 5010103505001855 | 1512                     | 5156 | 1966                     | 6703 |
| 5010103505001925 | 1568                     | 5347 | 2038                     | 6951 |
| 5010103505001995 | 1624                     | 5538 | 2111                     | 7199 |
| 5010103506000315 | 343                      | 1171 | 446                      | 1522 |
| 5010103506000385 | 412                      | 1405 | 536                      | 1827 |
| 5010103506000455 | 481                      | 1639 | 625                      | 2131 |
| 5010103506000525 | 549                      | 1874 | 714                      | 2436 |
| 5010103506000595 | 618                      | 2108 | 804                      | 2740 |
| 5010103506000665 | 687                      | 2342 | 893                      | 3045 |

LAPIS

TECHNICAL INFORMATION

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

| MODEL CODE       | Height x Width | 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            |           |
| 5010103506000735 | 580 x 740      | 11     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,33         | C-E-D     |
| 5010103506000805 | 580 x 810      | 12     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,45         | C-E-D     |
| 5010103506000875 | 580 x 880      | 13     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,58         | C-E-D     |
| 5010103506000945 | 580 x 950      | 14     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,70         | C-E-D     |
| 5010103506001015 | 580 x 1020     | 15     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,82         | C-E-D     |
| 5010103506001085 | 580 x 1090     | 16     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,94         | C-E-D     |
| 5010103506001155 | 580 x 1160     | 17     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,07         | C-E-D     |
| 5010103506001225 | 580 x 1230     | 18     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,19         | C-E-D     |
| 5010103506001295 | 580 x 1300     | 19     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,31         | C-E-D     |
| 5010103506001365 | 580 x 1370     | 20     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,43         | C-E-D     |
| 5010103506001435 | 580 x 1440     | 21     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,56         | C         |
| 5010103506001505 | 580 x 1510     | 22     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,68         | C         |
| 5010103506001575 | 580 x 1580     | 23     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,80         | C         |
| 5010103506001645 | 580 x 1650     | 24     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,92         | C         |
| 5010103506001715 | 580 x 1720     | 25     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,05         | C         |
| 5010103506001785 | 580 x 1790     | 26     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,17         | C         |
| 5010103506001855 | 580 x 1860     | 27     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,29         | C         |
| 5010103506001925 | 580 x 1930     | 28     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,41         | C         |
| 5010103506001995 | 580 x 2000     | 29     | 94        | 545              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,54         | C         |
| 5010103507000315 | 680 x 320      | 5      | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,67         | C         |
| 5010103507000385 | 680 x 390      | 6      | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,81         | C         |
| 5010103507000455 | 680 x 460      | 7      | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,94         | C-E-D     |
| 5010103507000525 | 680 x 530      | 8      | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,08         | C-E-D     |
| 5010103507000595 | 680 x 600      | 9      | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,22         | C-E-D     |
| 5010103507000665 | 680 x 670      | 10     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,35         | C-E-D     |
| 5010103507000735 | 680 x 740      | 11     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,49         | C-E-D     |
| 5010103507000805 | 680 x 810      | 12     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,63         | C-E-D     |
| 5010103507000875 | 680 x 880      | 13     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,76         | C-E-D     |
| 5010103507000945 | 680 x 950      | 14     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,90         | C-E-D     |
| 5010103507001015 | 680 x 1020     | 15     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,04         | C-E-D     |
| 5010103507001085 | 680 x 1090     | 16     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,17         | C-E-D     |
| 5010103507001155 | 680 x 1160     | 17     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,31         | C-E-D     |
| 5010103507001225 | 680 x 1230     | 18     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,45         | C-E-D     |
| 5010103507001295 | 680 x 1300     | 19     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,58         | C-E-D     |
| 5010103507001365 | 680 x 1370     | 20     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,72         | C-E-D     |
| 5010103507001435 | 680 x 1440     | 21     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,86         | C         |
| 5010103507001505 | 680 x 1510     | 22     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,99         | C         |
| 5010103507001575 | 680 x 1580     | 23     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,13         | C         |
| 5010103507001645 | 680 x 1650     | 24     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,27         | C         |
| 5010103507001715 | 680 x 1720     | 25     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,40         | C         |
| 5010103507001785 | 680 x 1790     | 26     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,54         | C         |
| 5010103507001855 | 680 x 1860     | 27     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,68         | C         |
| 5010103507001925 | 680 x 1930     | 28     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,81         | C         |
| 5010103507001995 | 680 x 2000     | 29     | 94        | 645              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,95         | C         |
| 5010103508000315 | 780 x 320      | 5      | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,74         | C         |
| 5010103508000385 | 780 x 390      | 6      | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,89         | C         |
| 5010103508000455 | 780 x 460      | 7      | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,04         | C-E-D     |
| 5010103508000525 | 780 x 530      | 8      | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,19         | C-E-D     |
| 5010103508000595 | 780 x 600      | 9      | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,34         | C-E-D     |
| 5010103508000665 | 780 x 670      | 10     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,50         | C-E-D     |
| 5010103508000735 | 780 x 740      | 11     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,65         | C-E-D     |
| 5010103508000805 | 780 x 810      | 12     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,80         | C-E-D     |
| 5010103508000875 | 780 x 880      | 13     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,95         | C-E-D     |
| 5010103508000945 | 780 x 950      | 14     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,10         | C-E-D     |
| 5010103508001015 | 780 x 1020     | 15     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,25         | C-E-D     |
| 5010103508001085 | 780 x 1090     | 16     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,40         | C-E-D     |
| 5010103508001155 | 780 x 1160     | 17     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,55         | C-E-D     |
| 5010103508001225 | 780 x 1230     | 18     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,70         | C-E-D     |
| 5010103508001295 | 780 x 1300     | 19     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,85         | C-E-D     |
| 5010103508001365 | 780 x 1370     | 20     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,01         | C-E-D     |
| 5010103508001435 | 780 x 1440     | 21     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,16         | C         |
| 5010103508001505 | 780 x 1510     | 22     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,31         | C         |
| 5010103508001575 | 780 x 1580     | 23     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,46         | C         |
| 5010103508001645 | 780 x 1650     | 24     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,61         | C         |
| 5010103508001715 | 780 x 1720     | 25     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,76         | C         |
| 5010103508001785 | 780 x 1790     | 26     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 3,91         | C         |
| 5010103508001855 | 780 x 1860     | 27     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 4,06         | C         |
| 5010103508001925 | 780 x 1930     | 28     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 4,21         | C         |
| 5010103508001995 | 780 x 2000     | 29     | 94        | 745              | 69                       | 116,5               | 22                        | 35                      | 35             | 4,36         | C         |
| 5010103509000315 | 880 x 320      | 5      | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,81         | C         |
| 5010103509000385 | 880 x 390      | 6      | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 0,98         | C         |
| 5010103509000455 | 880 x 460      | 7      | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,14         | C-E-D     |
| 5010103509000525 | 880 x 530      | 8      | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,31         | C-E-D     |
| 5010103509000595 | 880 x 600      | 9      | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,47         | C-E-D     |
| 5010103509000665 | 880 x 670      | 10     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,64         | C-E-D     |
| 5010103509000735 | 880 x 740      | 11     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,80         | C-E-D     |
| 5010103509000805 | 880 x 810      | 12     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 1,97         | C-E-D     |
| 5010103509000875 | 880 x 880      | 13     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,13         | C-E-D     |
| 5010103509000945 | 880 x 950      | 14     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,30         | C-E-D     |
| 5010103509001015 | 880 x 1020     | 15     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,46         | C-E-D     |
| 5010103509001085 | 880 x 1090     | 16     | 94        | 845              | 69                       | 116,5               | 22                        | 35                      | 35             | 2,63         | C-E-D     |

HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |      | Heat Outputs<br>ΔT 60 °C |      |       |
|------------------|--------------------------|------|--------------------------|------|-------|
|                  | mm                       | Watt | Btu                      | Watt | Btu   |
| 5010103506000735 |                          | 756  | 2576                     | 982  | 3349  |
| 5010103506000805 |                          | 824  | 2810                     | 1071 | 3654  |
| 5010103506000875 |                          | 893  | 3045                     | 1161 | 3958  |
| 5010103506000945 |                          | 962  | 3279                     | 1250 | 4263  |
| 5010103506001015 |                          | 1030 | 3513                     | 1339 | 4567  |
| 5010103506001085 |                          | 1099 | 3747                     | 1429 | 4872  |
| 5010103506001155 |                          | 1168 | 3982                     | 1518 | 5176  |
| 5010103506001225 |                          | 1236 | 4216                     | 1607 | 5480  |
| 5010103506001295 |                          | 1305 | 4450                     | 1696 | 5785  |
| 5010103506001365 |                          | 1374 | 4684                     | 1786 | 6089  |
| 5010103506001435 |                          | 1442 | 4918                     | 1875 | 6394  |
| 5010103506001505 |                          | 1511 | 5153                     | 1964 | 6698  |
| 5010103506001575 |                          | 1580 | 5387                     | 2054 | 7003  |
| 5010103506001645 |                          | 1648 | 5621                     | 2143 | 7307  |
| 5010103506001715 |                          | 1717 | 5855                     | 2232 | 7612  |
| 5010103506001785 |                          | 1786 | 6089                     | 2321 | 7916  |
| 5010103506001855 |                          | 1854 | 6324                     | 2411 | 8221  |
| 5010103506001925 |                          | 1923 | 6558                     | 2500 | 8525  |
| 5010103506001995 |                          | 1992 | 6792                     | 2589 | 8830  |
| 5010103507000315 |                          | 392  | 1337                     | 510  | 1738  |
| 5010103507000385 |                          | 470  | 1604                     | 612  | 2085  |
| 5010103507000455 |                          | 549  | 1871                     | 713  | 2433  |
| 5010103507000525 |                          | 627  | 2139                     | 815  | 2780  |
| 5010103507000595 |                          | 706  | 2406                     | 917  | 3128  |
| 5010103507000665 |                          | 784  | 2673                     | 1019 | 3475  |
| 5010103507000735 |                          | 862  | 2941                     | 1121 | 3823  |
| 5010103507000805 |                          | 941  | 3208                     | 1223 | 4170  |
| 5010103507000875 |                          | 1019 | 3475                     | 1325 | 4518  |
| 5010103507000945 |                          | 1098 | 3743                     | 1427 | 4866  |
| 5010103507001015 |                          | 1176 | 4010                     | 1529 | 5213  |
| 5010103507001085 |                          | 1254 | 4277                     | 1631 | 5561  |
| 5010103507001155 |                          | 1333 | 4545                     | 1733 | 5908  |
| 5010103507001225 |                          | 1411 | 4812                     | 1835 | 6256  |
| 5010103507001295 |                          | 1490 | 5079                     | 1936 | 6603  |
| 5010103507001365 |                          | 1568 | 5347                     | 2038 | 6951  |
| 5010103507001435 |                          | 1646 | 5614                     | 2140 | 7298  |
| 5010103507001505 |                          | 1725 | 5881                     | 2242 | 7646  |
| 5010103507001575 |                          | 1803 | 6149                     | 2344 | 7993  |
| 5010103507001645 |                          | 1882 | 6416                     | 2446 | 8341  |
| 5010103507001715 |                          | 1960 | 6683                     | 2548 | 8688  |
| 5010103507001785 |                          | 2038 | 6951                     | 2650 | 9036  |
| 5010103507001855 |                          | 2117 | 7218                     | 2752 | 9384  |
| 5010103507001925 |                          | 2195 | 7485                     | 2854 | 9731  |
| 5010103507001995 |                          | 2274 | 7753                     | 2956 | 10079 |
| 5010103508000315 |                          | 438  | 1495                     | 570  | 1943  |
| 5010103508000385 |                          | 526  | 1794                     | 684  | 2332  |
| 5010103508000455 |                          | 614  | 2093                     | 798  | 2720  |
| 5010103508000525 |                          | 701  | 2391                     | 912  | 3109  |
| 5010103508000595 |                          | 789  | 2690                     | 1026 | 3498  |
| 5010103508000665 |                          | 877  | 2989                     | 1140 | 3886  |
| 5010103508000735 |                          | 964  | 3288                     | 1254 | 4275  |
| 5010103508000805 |                          | 1052 | 3587                     | 1368 | 4663  |
| 5010103508000875 |                          | 1140 | 3886                     | 1482 | 5052  |
| 5010103508000945 |                          | 1227 | 4185                     | 1595 | 5441  |
| 5010103508001015 |                          | 1315 | 4484                     | 1709 | 5829  |
| 5010103508001085 |                          | 1403 | 4783                     | 1823 | 6218  |
| 5010103508001155 |                          | 1490 | 5082                     | 1937 | 6606  |
| 5010103508001225 |                          | 1578 | 5381                     | 2051 | 6995  |
| 5010103508001295 |                          | 1666 | 5680                     | 2165 | 7384  |
| 5010103508001365 |                          | 1753 | 5979                     | 2279 | 7772  |
| 5010103508001435 |                          | 1841 | 6278                     | 2393 | 8161  |
| 5010103508001505 |                          | 1929 | 6576                     | 2507 | 8549  |
| 5010103508001575 |                          | 2016 | 6875                     | 2621 | 8938  |
| 5010103508001645 |                          | 2104 | 7174                     | 2735 | 9327  |
| 5010103508001715 |                          | 2192 | 7473                     | 2849 | 9715  |
| 5010103508001785 |                          | 2279 | 7772                     | 2963 | 10104 |
| 5010103508001855 |                          | 2367 | 8071                     | 3077 | 10492 |
| 5010103508001925 |                          | 2455 | 8370                     | 3191 | 10881 |
| 5010103508001995 |                          | 2542 | 8669                     | 3305 | 11270 |
| 5010103509000315 |                          | 482  | 1645                     | 627  | 2139  |
| 5010103509000385 |                          | 579  | 1934                     | 753  | 2566  |
| 5010103509000455 |                          | 675  | 2303                     | 878  | 2994  |
| 5010103509000525 |                          | 772  | 2632                     | 1004 | 3422  |
| 5010103509000595 |                          | 868  | 2961                     | 1129 | 3850  |
| 5010103509000665 |                          | 965  | 3290                     | 1254 | 4277  |
| 5010103509000735 |                          | 1061 | 3619                     | 1380 | 4705  |
| 5010103509000805 |                          | 1158 | 3948                     | 1505 | 5133  |
| 5010103509000875 |                          | 1254 | 4277                     | 1631 | 5561  |
| 5010103509000945 |                          | 1351 | 4606                     | 1756 | 5988  |
| 5010103509001015 |                          | 1447 | 4936                     | 1882 | 6416  |
| 5010103509001085 |                          | 1544 | 5265                     | 2007 | 6844  |

LAPIS

TECHNICAL INFORMATION

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

| MODEL CODE       | Height x Width | 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            |           |
| 5010103509001155 | 880 x 1160     | 17     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.80         | C-E-D     |
| 5010103509001225 | 880 x 1230     | 18     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.96         | C-E-D     |
| 5010103509001295 | 880 x 1300     | 19     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.13         | C-E-D     |
| 5010103509001365 | 880 x 1370     | 20     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.29         | C-E-D     |
| 5010103509001435 | 880 x 1440     | 21     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.46         | C         |
| 5010103509001505 | 880 x 1510     | 22     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.62         | C         |
| 5010103509001575 | 880 x 1580     | 23     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.79         | C         |
| 5010103509001645 | 880 x 1650     | 24     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.95         | C         |
| 5010103509001715 | 880 x 1720     | 25     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.12         | C         |
| 5010103509001785 | 880 x 1790     | 26     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.28         | C         |
| 5010103509001855 | 880 x 1860     | 27     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.45         | C         |
| 5010103509001925 | 880 x 1930     | 28     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.61         | C         |
| 5010103509001995 | 880 x 2000     | 29     | 94        | 845              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.78         | C         |
| 5010103510000315 | 980 x 320      | 5      | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 0.88         | C         |
| 5010103510000385 | 980 x 390      | 6      | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.06         | C         |
| 5010103510000455 | 980 x 460      | 7      | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.24         | C-E-D     |
| 5010103510000525 | 980 x 530      | 8      | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.42         | C-E-D     |
| 5010103510000595 | 980 x 600      | 9      | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.60         | C-E-D     |
| 5010103510000665 | 980 x 670      | 10     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.78         | C-E-D     |
| 5010103510000735 | 980 x 740      | 11     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 1.96         | C-E-D     |
| 5010103510000805 | 980 x 810      | 12     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.14         | C-E-D     |
| 5010103510000875 | 980 x 880      | 13     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.32         | C-E-D     |
| 5010103510000945 | 980 x 950      | 14     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.50         | C-E-D     |
| 5010103510001015 | 980 x 1020     | 15     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.68         | C-E-D     |
| 5010103510001085 | 980 x 1090     | 16     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 2.86         | C-E-D     |
| 5010103510001155 | 980 x 1160     | 17     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.04         | C-E-D     |
| 5010103510001225 | 980 x 1230     | 18     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.22         | C-E-D     |
| 5010103510001295 | 980 x 1300     | 19     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.40         | C-E-D     |
| 5010103510001365 | 980 x 1370     | 20     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.58         | C-E-D     |
| 5010103510001435 | 980 x 1440     | 21     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.76         | C         |
| 5010103510001505 | 980 x 1510     | 22     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 3.94         | C         |
| 5010103510001575 | 980 x 1580     | 23     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.12         | C         |
| 5010103510001645 | 980 x 1650     | 24     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.30         | C         |
| 5010103510001715 | 980 x 1720     | 25     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.48         | C         |
| 5010103510001785 | 980 x 1790     | 26     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.66         | C         |
| 5010103510001855 | 980 x 1860     | 27     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 4.83         | C         |
| 5010103510001925 | 980 x 1930     | 28     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 5.01         | C         |
| 5010103510001995 | 980 x 2000     | 29     | 94        | 945              | 69                       | 116.5               | 22                        | 35                      | 35             | 5.19         | C         |
| 5010103512000315 | 1180 x 320     | 5      | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.03         | C         |
| 5010103512000385 | 1180 x 390     | 6      | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.23         | C         |
| 5010103512000455 | 1180 x 460     | 7      | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.44         | C-E-D     |
| 5010103512000525 | 1180 x 530     | 8      | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.65         | C-E-D     |
| 5010103512000595 | 1180 x 600     | 9      | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.86         | C-E-D     |
| 5010103512000665 | 1180 x 670     | 10     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.07         | C-E-D     |
| 5010103512000735 | 1180 x 740     | 11     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.28         | C-E-D     |
| 5010103512000805 | 1180 x 810     | 12     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.48         | C-E-D     |
| 5010103512000875 | 1180 x 880     | 13     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.69         | C-E-D     |
| 5010103512000945 | 1180 x 950     | 14     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.90         | C-E-D     |
| 5010103512001015 | 1180 x 1020    | 15     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.11         | C-E-D     |
| 5010103512001085 | 1180 x 1090    | 16     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.32         | C-E-D     |
| 5010103512001155 | 1180 x 1160    | 17     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.52         | C-E-D     |
| 5010103512001225 | 1180 x 1230    | 18     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.73         | C-E-D     |
| 5010103512001295 | 1180 x 1300    | 19     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.94         | C-E-D     |
| 5010103512001365 | 1180 x 1370    | 20     | 94        | 1145             | 69                       | 116.5               | 22                        | 35                      | 35             | 4.15         | C-E-D     |
| 5010103514000315 | 1380 x 320     | 5      | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.17         | C         |
| 5010103514000385 | 1380 x 390     | 6      | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.41         | C         |
| 5010103514000455 | 1380 x 460     | 7      | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.64         | C-E-D     |
| 5010103514000525 | 1380 x 530     | 8      | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.88         | C-E-D     |
| 5010103514000595 | 1380 x 600     | 9      | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.12         | C-E-D     |
| 5010103514000665 | 1380 x 670     | 10     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.35         | C-E-D     |
| 5010103514000735 | 1380 x 740     | 11     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.59         | C-E-D     |
| 5010103514000805 | 1380 x 810     | 12     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.83         | C-E-D     |
| 5010103514000875 | 1380 x 880     | 13     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.06         | C-E-D     |
| 5010103514000945 | 1380 x 950     | 14     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.30         | C-E-D     |
| 5010103514001015 | 1380 x 1020    | 15     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.54         | C-E-D     |
| 5010103514001085 | 1380 x 1090    | 16     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.77         | C-E-D     |
| 5010103514001155 | 1380 x 1160    | 17     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 4.01         | C-E-D     |
| 5010103514001225 | 1380 x 1230    | 18     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 4.25         | C-E-D     |
| 5010103514001295 | 1380 x 1300    | 19     | 94        | 1345             | 69                       | 116.5               | 22                        | 35                      | 35             | 4.48         | C-E-D     |
| 5010103516000315 | 1580 x 320     | 5      | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.31         | C         |
| 5010103516000385 | 1580 x 390     | 6      | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.58         | C         |
| 5010103516000455 | 1580 x 460     | 7      | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.84         | C-E-D     |
| 5010103516000525 | 1580 x 530     | 8      | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.11         | C-E-D     |
| 5010103516000595 | 1580 x 600     | 9      | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.37         | C-E-D     |
| 5010103516000665 | 1580 x 670     | 10     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.64         | C-E-D     |
| 5010103516000735 | 1580 x 740     | 11     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 2.90         | C-E-D     |
| 5010103516000805 | 1580 x 810     | 12     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.17         | C-E-D     |
| 5010103516000875 | 1580 x 880     | 13     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.44         | C-E-D     |
| 5010103516000945 | 1580 x 950     | 14     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.70         | C-E-D     |
| 5010103516001015 | 1580 x 1020    | 15     | 94        | 1545             | 69                       | 116.5               | 22                        | 35                      | 35             | 3.97         | C-E-D     |
| 5010103518000315 | 1780 x 320     | 5      | 94        | 1745             | 69                       | 116.5               | 22                        | 35                      | 35             | 1.46         | C         |

HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |       | Heat Outputs<br>ΔT 60 °C |       |
|------------------|--------------------------|-------|--------------------------|-------|
|                  | Watt                     | Btu   | Watt                     | Btu   |
| 5010103509001155 | 1640                     | 5594  | 2132                     | 7272  |
| 5010103509001225 | 1737                     | 5923  | 2258                     | 7699  |
| 5010103509001295 | 1833                     | 6252  | 2383                     | 8127  |
| 5010103509001365 | 1930                     | 6581  | 2509                     | 8555  |
| 5010103509001435 | 2026                     | 6910  | 2634                     | 8983  |
| 5010103509001505 | 2123                     | 7239  | 2760                     | 9410  |
| 5010103509001575 | 2219                     | 7568  | 2885                     | 9838  |
| 5010103509001645 | 2316                     | 7897  | 3010                     | 10266 |
| 5010103509001715 | 2412                     | 8226  | 3136                     | 10694 |
| 5010103509001785 | 2509                     | 8555  | 3261                     | 11121 |
| 5010103509001855 | 2605                     | 8884  | 3387                     | 11549 |
| 5010103509001925 | 2702                     | 9213  | 3512                     | 11977 |
| 5010103509001995 | 2798                     | 9542  | 3638                     | 12404 |
| 5010103510000315 | 524                      | 1788  | 682                      | 2325  |
| 5010103510000385 | 629                      | 2146  | 818                      | 2790  |
| 5010103510000455 | 734                      | 2504  | 955                      | 3255  |
| 5010103510000525 | 839                      | 2862  | 1091                     | 3720  |
| 5010103510000595 | 944                      | 3219  | 1227                     | 4185  |
| 5010103510000665 | 1049                     | 3577  | 1364                     | 4650  |
| 5010103510000735 | 1154                     | 3935  | 1500                     | 5115  |
| 5010103510000805 | 1259                     | 4292  | 1636                     | 5580  |
| 5010103510000875 | 1364                     | 4650  | 1773                     | 6045  |
| 5010103510000945 | 1469                     | 5008  | 1909                     | 6510  |
| 5010103510001015 | 1573                     | 5365  | 2045                     | 6975  |
| 5010103510001085 | 1678                     | 5723  | 2182                     | 7440  |
| 5010103510001155 | 1783                     | 6081  | 2318                     | 7905  |
| 5010103510001225 | 1888                     | 6438  | 2455                     | 8370  |
| 5010103510001295 | 1993                     | 6796  | 2591                     | 8835  |
| 5010103510001365 | 2098                     | 7154  | 2727                     | 9300  |
| 5010103510001435 | 2203                     | 7512  | 2864                     | 9765  |
| 5010103510001505 | 2308                     | 7869  | 3000                     | 10230 |
| 5010103510001575 | 2413                     | 8227  | 3136                     | 10695 |
| 5010103510001645 | 2517                     | 8585  | 3273                     | 11160 |
| 5010103510001715 | 2622                     | 8942  | 3409                     | 11625 |
| 5010103510001785 | 2727                     | 9300  | 3545                     | 12090 |
| 5010103510001855 | 2832                     | 9658  | 3682                     | 12555 |
| 5010103510001925 | 2937                     | 10015 | 3818                     | 13020 |
| 5010103510001995 | 3042                     | 10373 | 3955                     | 13485 |
| 5010103512000315 | 602                      | 2053  | 783                      | 2669  |
| 5010103512000385 | 723                      | 2464  | 939                      | 3203  |
| 5010103512000455 | 843                      | 2875  | 1096                     | 3737  |
| 5010103512000525 | 964                      | 3286  | 1253                     | 4271  |
| 5010103512000595 | 1084                     | 3696  | 1409                     | 4805  |
| 5010103512000665 | 1204                     | 4107  | 1566                     | 5339  |
| 5010103512000735 | 1325                     | 4518  | 1722                     | 5873  |
| 5010103512000805 | 1445                     | 4928  | 1879                     | 6407  |
| 5010103512000875 | 1566                     | 5339  | 2035                     | 6941  |
| 5010103512000945 | 1686                     | 5750  | 2192                     | 7475  |
| 5010103512001015 | 1807                     | 6160  | 2349                     | 8008  |
| 5010103512001085 | 1927                     | 6571  | 2505                     | 8542  |
| 5010103512001155 | 2047                     | 6982  | 2662                     | 9076  |
| 5010103512001225 | 2168                     | 7392  | 2818                     | 9610  |
| 5010103512001295 | 2288                     | 7803  | 2975                     | 10144 |
| 5010103512001365 | 2409                     | 8214  | 3131                     | 10678 |
| 5010103514000315 | 691                      | 2358  | 899                      | 3065  |
| 5010103514000385 | 830                      | 2829  | 1079                     | 3678  |
| 5010103514000455 | 968                      | 3301  | 1258                     | 4291  |
| 5010103514000525 | 1106                     | 3772  | 1438                     | 4904  |
| 5010103514000595 | 1245                     | 4244  | 1618                     | 5517  |
| 5010103514000665 | 1383                     | 4715  | 1798                     | 6130  |
| 5010103514000735 | 1521                     | 5187  | 1977                     | 6743  |
| 5010103514000805 | 1659                     | 5658  | 2157                     | 7356  |
| 5010103514000875 | 1798                     | 6130  | 2337                     | 7969  |
| 5010103514000945 | 1936                     | 6602  | 2517                     | 8582  |
| 5010103514001015 | 2074                     | 7073  | 2696                     | 9195  |
| 5010103514001085 | 2212                     | 7545  | 2876                     | 9808  |
| 5010103514001155 | 2351                     | 8016  | 3056                     | 10421 |
| 5010103514001225 | 2489                     | 8488  | 3236                     | 11034 |
| 5010103514001295 | 2627                     | 8959  | 3416                     | 11647 |
| 5010103516000315 | 794                      | 2707  | 1032                     | 3519  |
| 5010103516000385 | 953                      | 3248  | 1238                     | 4223  |
| 5010103516000455 | 1111                     | 3790  | 1445                     | 4927  |
| 5010103516000525 | 1270                     | 4331  | 1651                     | 5631  |
| 5010103516000595 | 1429                     | 4873  | 1858                     | 6334  |
| 5010103516000665 | 1588                     | 5414  | 2064                     | 7038  |
| 5010103516000735 | 1746                     | 5955  | 2270                     | 7742  |
| 5010103516000805 | 1905                     | 6497  | 2477                     | 8446  |
| 5010103516000875 | 2064                     | 7038  | 2683                     | 9150  |
| 5010103516000945 | 2223                     | 7580  | 2890                     | 9854  |
| 5010103516001015 | 2382                     | 8121  | 3096                     | 10557 |
| 5010103518000315 | 911                      | 3108  | 1185                     | 4041  |

LAPIS

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

| MODEL CODE       | Height x Width | 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            |           |
| 5010103518000385 | 1780 x 390     | 6      | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 1,75         | C         |
| 5010103518000455 | 1780 x 460     | 7      | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,04         | C-E-D     |
| 5010103518000525 | 1780 x 530     | 8      | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,34         | C-E-D     |
| 5010103518000595 | 1780 x 600     | 9      | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,63         | C-E-D     |
| 5010103518000665 | 1780 x 670     | 10     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,93         | C-E-D     |
| 5010103518000735 | 1780 x 740     | 11     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,22         | C-E-D     |
| 5010103518000805 | 1780 x 810     | 12     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,51         | C-E-D     |
| 5010103518000875 | 1780 x 880     | 13     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,81         | C-E-D     |
| 5010103518000945 | 1780 x 950     | 14     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 4,10         | C-E-D     |
| 5010103518001015 | 1780 x 1020    | 15     | 94        | 1745             | 69                       | 116,5               | 22                        | 35                      | 35             | 4,40         | C-E-D     |
| 5010103520000315 | 1980 x 320     | 5      | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 1,60         | C         |
| 5010103520000385 | 1980 x 390     | 6      | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 1,92         | C         |
| 5010103520000455 | 1980 x 460     | 7      | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,24         | C-E-D     |
| 5010103520000525 | 1980 x 530     | 8      | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,57         | C-E-D     |
| 5010103520000595 | 1980 x 600     | 9      | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 2,89         | C-E-D     |
| 5010103520000665 | 1980 x 670     | 10     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,21         | C-E-D     |
| 5010103520000735 | 1980 x 740     | 11     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,53         | C-E-D     |
| 5010103520000805 | 1980 x 810     | 12     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 3,86         | C-E-D     |
| 5010103520000875 | 1980 x 880     | 13     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 4,18         | C-E-D     |
| 5010103520000945 | 1980 x 950     | 14     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 4,50         | C-E-D     |
| 5010103520001015 | 1980 x 1020    | 15     | 94        | 1945             | 69                       | 116,5               | 22                        | 35                      | 35             | 4,82         | C-E-D     |

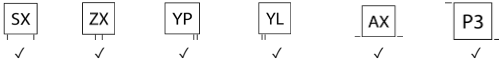
HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |       | Heat Outputs<br>ΔT 60 °C |       |
|------------------|--------------------------|-------|--------------------------|-------|
|                  | Watt                     | Btu   | Watt                     | Btu   |
| 5010103518000385 | 1094                     | 3730  | 1422                     | 4849  |
| 5010103518000455 | 1276                     | 4351  | 1659                     | 5657  |
| 5010103518000525 | 1458                     | 4973  | 1896                     | 6465  |
| 5010103518000595 | 1641                     | 5595  | 2133                     | 7273  |
| 5010103518000665 | 1823                     | 6216  | 2370                     | 8081  |
| 5010103518000735 | 2005                     | 6838  | 2607                     | 8889  |
| 5010103518000805 | 2188                     | 7459  | 2844                     | 9697  |
| 5010103518000875 | 2370                     | 8081  | 3081                     | 10505 |
| 5010103518000945 | 2552                     | 8703  | 3318                     | 11313 |
| 5010103518001015 | 2734                     | 9324  | 3555                     | 12122 |
| 5010103520000315 | 1047                     | 3569  | 1360                     | 4639  |
| 5010103520000385 | 1256                     | 4282  | 1633                     | 5567  |
| 5010103520000455 | 1465                     | 4996  | 1905                     | 6495  |
| 5010103520000525 | 1674                     | 5710  | 2177                     | 7423  |
| 5010103520000595 | 1884                     | 6423  | 2449                     | 8350  |
| 5010103520000665 | 2093                     | 7137  | 2721                     | 9278  |
| 5010103520000735 | 2302                     | 7851  | 2993                     | 10206 |
| 5010103520000805 | 2512                     | 8565  | 3265                     | 11134 |
| 5010103520000875 | 2721                     | 9278  | 3537                     | 12062 |
| 5010103520000945 | 2930                     | 9992  | 3809                     | 12990 |
| 5010103520001015 | 3140                     | 10706 | 4081                     | 13917 |

LOGISTICS INFORMATION

| Net Weight | Gross Weight | Package Volume | Package Dimensions (H x W x D) |
|------------|--------------|----------------|--------------------------------|
| kg         | kg           | m³             | mm                             |
| 16,44      | 19,47        | 0,12           | 1910X432X136                   |
| 19,19      | 22,49        | 0,14           | 1910X502X136                   |
| 21,94      | 25,51        | 0,15           | 1910X572X136                   |
| 24,69      | 28,53        | 0,17           | 1910X642X136                   |
| 27,44      | 31,54        | 0,19           | 1910X712X136                   |
| 30,20      | 34,58        | 0,21           | 1910X782X136                   |
| 32,95      | 37,58        | 0,23           | 1910X852X136                   |
| 35,70      | 40,60        | 0,24           | 1910X922X136                   |
| 38,45      | 43,62        | 0,26           | 1910X992X136                   |
| 41,20      | 46,64        | 0,28           | 1910X1062X136                  |
| 15,10      | 18,26        | 0,11           | 2110X362X136                   |
| 18,14      | 21,58        | 0,13           | 2110X432X136                   |
| 21,18      | 24,92        | 0,15           | 2110X502X136                   |
| 24,21      | 28,23        | 0,17           | 2110X572X136                   |
| 27,25      | 31,57        | 0,19           | 2110X642X136                   |
| 30,28      | 34,88        | 0,21           | 2110X712X136                   |
| 33,32      | 38,22        | 0,23           | 2110X782X136                   |
| 36,36      | 41,56        | 0,25           | 2110X852X136                   |
| 39,39      | 44,87        | 0,27           | 2110X922X136                   |
| 42,43      | 48,20        | 0,29           | 2110X992X136                   |
| 45,46      | 51,52        | 0,31           | 2110X1062X136                  |

CONNECTIONS TYPE



SX, ZX, YP and YL connection types can be manufactured optionally based on customer request. Other connection types are provided as part of the standard product.

C: Central Heating / E: Electric / D: Dual Fuel