

## NIORA 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            |           |
| 5040102802380800 | 800 x 240      | 3      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.47         | C         |
| 5040102803180800 | 800 x 320      | 4      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.63         | C-E-D     |
| 5040102803980800 | 800 x 400      | 5      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.79         | C-E-D     |
| 5040102804780800 | 800 x 480      | 6      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.94         | C-E-D     |
| 5040102805580800 | 800 x 560      | 7      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.10         | C-E-D     |
| 5040102806380800 | 800 x 640      | 8      | 60        | 745              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.25         | C-E-D     |
| 5040102802380900 | 900 x 240      | 3      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.52         | C         |
| 5040102803180900 | 900 x 320      | 4      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.69         | C-E-D     |
| 5040102803980900 | 900 x 400      | 5      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.86         | C-E-D     |
| 5040102804780900 | 900 x 480      | 6      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.03         | C-E-D     |
| 5040102805580900 | 900 x 560      | 7      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.20         | C-E-D     |
| 5040102806380900 | 900 x 640      | 8      | 60        | 845              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.37         | C-E-D     |
| 5040102802381000 | 1000 x 240     | 3      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.56         | C         |
| 5040102803181000 | 1000 x 320     | 4      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.74         | C-E-D     |
| 5040102803981000 | 1000 x 400     | 5      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.93         | C-E-D     |
| 5040102804781000 | 1000 x 480     | 6      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.11         | C-E-D     |
| 5040102805581000 | 1000 x 560     | 7      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.30         | C-E-D     |
| 5040102806381000 | 1000 x 640     | 8      | 60        | 945              | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.48         | C-E-D     |
| 5040102802381100 | 1100 x 240     | 3      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.60         | C         |
| 5040102803181100 | 1100 x 320     | 4      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.80         | C-E-D     |
| 5040102803981100 | 1100 x 400     | 5      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.00         | C-E-D     |
| 5040102804781100 | 1100 x 480     | 6      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.20         | C-E-D     |
| 5040102805581100 | 1100 x 560     | 7      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.40         | C-E-D     |
| 5040102806381100 | 1100 x 640     | 8      | 60        | 1045             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.60         | C-E-D     |
| 5040102802381200 | 1200 x 240     | 3      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.64         | C         |
| 5040102803181200 | 1200 x 320     | 4      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.86         | C-E-D     |
| 5040102803981200 | 1200 x 400     | 5      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.07         | C-E-D     |
| 5040102804781200 | 1200 x 480     | 6      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.29         | C-E-D     |
| 5040102805581200 | 1200 x 560     | 7      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.50         | C-E-D     |
| 5040102806381200 | 1200 x 640     | 8      | 60        | 1145             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.71         | C-E-D     |
| 5040102802381300 | 1300 x 240     | 3      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.69         | C         |
| 5040102803181300 | 1300 x 320     | 4      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.92         | C-E-D     |
| 5040102803981300 | 1300 x 400     | 5      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.14         | C-E-D     |
| 5040102804781300 | 1300 x 480     | 6      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.37         | C-E-D     |
| 5040102805581300 | 1300 x 560     | 7      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.60         | C-E-D     |
| 5040102806381300 | 1300 x 640     | 8      | 60        | 1245             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.83         | C-E-D     |
| 5040102802381400 | 1400 x 240     | 3      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.73         | C         |
| 5040102803181400 | 1400 x 320     | 4      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.97         | C-E-D     |
| 5040102803981400 | 1400 x 400     | 5      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.21         | C-E-D     |
| 5040102804781400 | 1400 x 480     | 6      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.46         | C-E-D     |
| 5040102805581400 | 1400 x 560     | 7      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.70         | C-E-D     |
| 5040102806381400 | 1400 x 640     | 8      | 60        | 1345             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.94         | C-E-D     |
| 5040102802381500 | 1500 x 240     | 3      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.77         | C         |
| 5040102803181500 | 1500 x 320     | 4      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.03         | C-E-D     |
| 5040102803981500 | 1500 x 400     | 5      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.29         | C-E-D     |
| 5040102804781500 | 1500 x 480     | 6      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.54         | C-E-D     |
| 5040102805581500 | 1500 x 560     | 7      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.80         | C-E-D     |
| 5040102806381500 | 1500 x 640     | 8      | 60        | 1445             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.06         | C-E-D     |
| 5040102802381600 | 1600 x 240     | 3      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.82         | C         |
| 5040102803181600 | 1600 x 320     | 4      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.09         | C-E-D     |
| 5040102803981600 | 1600 x 400     | 5      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.36         | C-E-D     |
| 5040102804781600 | 1600 x 480     | 6      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.63         | C-E-D     |
| 5040102805581600 | 1600 x 560     | 7      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.90         | C-E-D     |
| 5040102806381600 | 1600 x 640     | 8      | 60        | 1545             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.17         | C-E-D     |
| 5040102802381700 | 1700 x 240     | 3      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.86         | C         |
| 5040102803181700 | 1700 x 320     | 4      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.14         | C-E-D     |
| 5040102803981700 | 1700 x 400     | 5      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.43         | C-E-D     |
| 5040102804781700 | 1700 x 480     | 6      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.71         | C-E-D     |
| 5040102805581700 | 1700 x 560     | 7      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.00         | C-E-D     |
| 5040102806381700 | 1700 x 640     | 8      | 60        | 1645             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.28         | C-E-D     |
| 5040102802381800 | 1800 x 240     | 3      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 0.90         | C         |
| 5040102803181800 | 1800 x 320     | 4      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.20         | C-E-D     |
| 5040102803981800 | 1800 x 400     | 5      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.50         | C-E-D     |
| 5040102804781800 | 1800 x 480     | 6      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 1.80         | C-E-D     |
| 5040102805581800 | 1800 x 560     | 7      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.10         | C-E-D     |
| 5040102806381800 | 1800 x 640     | 8      | 60        | 1745             | 74-100                   | 104-130             | 44-70                     | 4                       | 80             | 2.40         | C-E-D     |

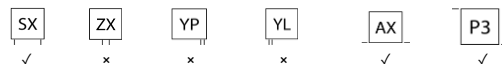
### HEAT OUTPUTS INFORMATION

| MODEL CODE       | Heat Outputs<br>ΔT 50 °C |      | Heat Outputs<br>ΔT 60 °C |      |
|------------------|--------------------------|------|--------------------------|------|
|                  | Watt                     | Btu  | Watt                     | Btu  |
| mm               |                          |      |                          |      |
| 5040102802380800 | 312                      | 1064 | 406                      | 1383 |
| 5040102803180800 | 433                      | 1477 | 563                      | 1920 |
| 5040102803980800 | 554                      | 1891 | 721                      | 2458 |
| 5040102804780800 | 676                      | 2304 | 878                      | 2995 |
| 5040102805580800 | 797                      | 2718 | 1036                     | 3533 |
| 5040102806380800 | 918                      | 3131 | 1194                     | 4070 |
| 5040102802380900 | 343                      | 1171 | 446                      | 1522 |
| 5040102803180900 | 477                      | 1626 | 620                      | 2111 |
| 5040102803980900 | 610                      | 2081 | 793                      | 2705 |
| 5040102804780900 | 744                      | 2536 | 967                      | 3297 |
| 5040102805580900 | 877                      | 2991 | 1140                     | 3889 |
| 5040102806380900 | 1011                     | 3446 | 1314                     | 4480 |
| 5040102802381000 | 373                      | 1273 | 485                      | 1655 |
| 5040102803181000 | 518                      | 1768 | 674                      | 2298 |
| 5040102803981000 | 663                      | 2262 | 862                      | 2941 |
| 5040102804781000 | 809                      | 2757 | 1051                     | 3584 |
| 5040102805581000 | 954                      | 3252 | 1240                     | 4227 |
| 5040102806381000 | 1099                     | 3747 | 1428                     | 4871 |
| 5040102802381100 | 406                      | 1384 | 528                      | 1799 |
| 5040102803181100 | 564                      | 1922 | 733                      | 2498 |
| 5040102803981100 | 721                      | 2459 | 938                      | 3197 |
| 5040102804781100 | 879                      | 2997 | 1143                     | 3896 |
| 5040102805581100 | 1037                     | 3535 | 1348                     | 4596 |
| 5040102806381100 | 1194                     | 4073 | 1553                     | 5295 |
| 5040102802381200 | 429                      | 1461 | 557                      | 1900 |
| 5040102803181200 | 595                      | 2030 | 774                      | 2638 |
| 5040102803981200 | 762                      | 2598 | 990                      | 3377 |
| 5040102804781200 | 928                      | 3166 | 1207                     | 4115 |
| 5040102805581200 | 1095                     | 3734 | 1423                     | 4854 |
| 5040102806381200 | 1262                     | 4302 | 1640                     | 5592 |
| 5040102802381300 | 466                      | 1589 | 606                      | 2065 |
| 5040102803181300 | 647                      | 2206 | 841                      | 2868 |
| 5040102803981300 | 828                      | 2824 | 1077                     | 3671 |
| 5040102804781300 | 1009                     | 3441 | 1312                     | 4474 |
| 5040102805581300 | 1190                     | 4059 | 1547                     | 5277 |
| 5040102806381300 | 1371                     | 4676 | 1783                     | 6079 |
| 5040102802381400 | 492                      | 1678 | 640                      | 2181 |
| 5040102803181400 | 683                      | 2330 | 888                      | 3029 |
| 5040102803981400 | 875                      | 2982 | 1137                     | 3877 |
| 5040102804781400 | 1066                     | 3635 | 1386                     | 4725 |
| 5040102805581400 | 1257                     | 4287 | 1634                     | 5573 |
| 5040102806381400 | 1448                     | 4939 | 1883                     | 6421 |
| 5040102802381500 | 535                      | 1824 | 695                      | 2371 |
| 5040102803181500 | 743                      | 2533 | 966                      | 3293 |
| 5040102803981500 | 951                      | 3242 | 1236                     | 4215 |
| 5040102804781500 | 1159                     | 3951 | 1506                     | 5137 |
| 5040102805581500 | 1367                     | 4660 | 1777                     | 6058 |
| 5040102806381500 | 1575                     | 5369 | 2047                     | 6980 |
| 5040102802381600 | 565                      | 1927 | 734                      | 2505 |
| 5040102803181600 | 785                      | 2675 | 1020                     | 3478 |
| 5040102803981600 | 1004                     | 3424 | 1305                     | 4452 |
| 5040102804781600 | 1224                     | 4173 | 1591                     | 5425 |
| 5040102805581600 | 1443                     | 4922 | 1876                     | 6399 |
| 5040102806381600 | 1663                     | 5671 | 2162                     | 7372 |
| 5040102802381700 | 614                      | 2094 | 798                      | 2723 |
| 5040102803181700 | 853                      | 2908 | 1109                     | 3781 |
| 5040102803981700 | 1092                     | 3723 | 1419                     | 4839 |
| 5040102804781700 | 1330                     | 4537 | 1730                     | 5898 |
| 5040102805581700 | 1569                     | 5351 | 2040                     | 6956 |
| 5040102806381700 | 1808                     | 6165 | 2350                     | 8014 |
| 5040102802381800 | 649                      | 2212 | 843                      | 2876 |
| 5040102803181800 | 901                      | 3072 | 1171                     | 3993 |
| 5040102803981800 | 1153                     | 3932 | 1499                     | 5111 |
| 5040102804781800 | 1405                     | 4791 | 1827                     | 6229 |
| 5040102805581800 | 1657                     | 5651 | 2154                     | 7347 |
| 5040102806381800 | 1909                     | 6511 | 2482                     | 8464 |

## LOGISTICS INFORMATION

| Net Weight | Gross Weight | Package Volume | Package Dimensions ( H x W x D) |
|------------|--------------|----------------|---------------------------------|
| kg         | kg           | m³             | mm                              |
| 4.28       | 5.50         | 0.03           | 920X278X100                     |
| 5.67       | 7.06         | 0.04           | 920X358X100                     |
| 7.07       | 8.61         | 0.05           | 920X438X100                     |
| 8.45       | 10.15        | 0.05           | 920X518X100                     |
| 9.84       | 11.69        | 0.06           | 920X598X100                     |
| 11.24      | 13.26        | 0.07           | 920X678X100                     |
| 4.72       | 6.04         | 0.03           | 1020X278X100                    |
| 6.25       | 7.75         | 0.04           | 1020X358X100                    |
| 7.79       | 9.46         | 0.05           | 1020X438X100                    |
| 9.32       | 11.17        | 0.06           | 1020X518X100                    |
| 10.85      | 12.87        | 0.07           | 1020X598X100                    |
| 12.39      | 14.58        | 0.07           | 1020X678X100                    |
| 5.16       | 6.59         | 0.04           | 1120X278X100                    |
| 6.83       | 8.45         | 0.05           | 1120X358X100                    |
| 8.51       | 10.31        | 0.05           | 1120X438X100                    |
| 10.18      | 12.17        | 0.06           | 1120X518X100                    |
| 11.86      | 14.04        | 0.07           | 1120X598X100                    |
| 13.54      | 15.91        | 0.08           | 1120X678X100                    |
| 5.60       | 7.14         | 0.04           | 1220X278X100                    |
| 7.42       | 9.15         | 0.05           | 1220X358X100                    |
| 9.24       | 11.18        | 0.06           | 1220X438X100                    |
| 11.05      | 13.20        | 0.07           | 1220X518X100                    |
| 12.87      | 15.21        | 0.08           | 1220X598X100                    |
| 14.69      | 17.24        | 0.09           | 1220X678X100                    |
| 6.03       | 7.67         | 0.04           | 1320X278X100                    |
| 8.00       | 9.86         | 0.05           | 1320X358X100                    |
| 9.96       | 12.03        | 0.06           | 1320X438X100                    |
| 11.91      | 14.20        | 0.07           | 1320X518X100                    |
| 13.88      | 16.38        | 0.08           | 1320X598X100                    |
| 15.84      | 18.56        | 0.09           | 1320X678X100                    |
| 6.47       | 8.22         | 0.04           | 1420X278X100                    |
| 8.58       | 10.56        | 0.06           | 1420X358X100                    |
| 10.68      | 12.89        | 0.07           | 1420X438X100                    |
| 12.78      | 15.22        | 0.08           | 1420X518X100                    |
| 14.89      | 17.56        | 0.09           | 1420X598X100                    |
| 16.99      | 19.89        | 0.10           | 1420X678X100                    |
| 6.91       | 8.77         | 0.05           | 1520X278X100                    |
| 9.16       | 11.27        | 0.06           | 1520X358X100                    |
| 11.41      | 13.76        | 0.07           | 1520X438X100                    |
| 13.65      | 16.25        | 0.08           | 1520X518X100                    |
| 15.89      | 18.73        | 0.10           | 1520X598X100                    |
| 18.14      | 21.23        | 0.11           | 1520X678X100                    |
| 7.35       | 9.32         | 0.05           | 1620X278X100                    |
| 9.74       | 11.97        | 0.06           | 1620X358X100                    |
| 12.13      | 14.61        | 0.08           | 1620X438X100                    |
| 14.51      | 17.26        | 0.09           | 1620X518X100                    |
| 16.90      | 19.89        | 0.10           | 1620X598X100                    |
| 19.29      | 22.56        | 0.11           | 1620X678X100                    |
| 7.77       | 9.84         | 0.05           | 1720X278X100                    |
| 10.29      | 12.64        | 0.07           | 1720X358X100                    |
| 12.82      | 15.44        | 0.08           | 1720X438X100                    |
| 15.35      | 18.25        | 0.09           | 1720X518X100                    |
| 17.87      | 21.03        | 0.11           | 1720X598X100                    |
| 20.39      | 23.83        | 0.12           | 1720X678X100                    |
| 8.21       | 10.39        | 0.06           | 1820X278X100                    |
| 10.88      | 13.35        | 0.07           | 1820X358X100                    |
| 13.54      | 16.29        | 0.08           | 1820X438X100                    |
| 16.21      | 19.25        | 0.10           | 1820X518X100                    |
| 18.88      | 22.20        | 0.11           | 1820X598X100                    |
| 21.54      | 25.16        | 0.13           | 1820X678X100                    |
| 8.65       | 11.08        | 0.06           | 1920X278X100                    |
| 11.46      | 14.18        | 0.07           | 1920X358X100                    |
| 14.26      | 17.26        | 0.09           | 1920X438X100                    |
| 17.08      | 20.39        | 0.10           | 1920X518X100                    |
| 19.89      | 23.50        | 0.12           | 1920X598X100                    |
| 22.69      | 26.60        | 0.14           | 1920X678X100                    |

**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