# NESTA PLUS

| Performance | | | NP 280 FSW | NP 350 FSW | NP 420 FSW | NP 570 FSW |
|---|---|---|---|---|---|---|
| Heat input (net) | G20 / G25 / G20Y20[1] | kW | 44,0–265,0 | 48,0–325,0 | 59,0–401,2 | 90,0–530,0 |
| Heat input (net) | G31 | kW | 66,0–265,0 | 80,0–325,0 | 99,0–401,2 | 124,0 -530,0 |
| Heat output at 80/60 °C | G20 / G25 / G20Y20[1] | kW | 42,8–259,5 | 46,7–317,7 | 57,3–392,0 | 87,6–518,0 |
| Heat output at 80/60 °C | G31 | kW | 64,0–258,0 | 77,8–317,1 | 96,5–391,5 | 120,0–515,0 |
| Heat output at 50/30 °C | G20 / G25 / G20Y20[1] | kW | 47,7–283,6 | 52,0–346,3 | 63,8–431,7 | 97,1–562,8 |
| Heat output at 50/30 °C | G31 | kW | 70,0–276,8 | 85,0–338,3 | 105,5–421,0 | 132,0 -556,0 |

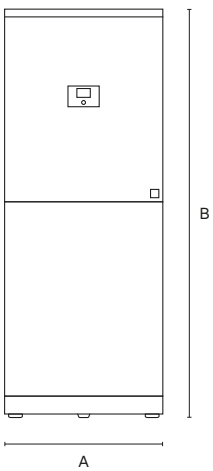
| Efficiency | | | | | | |
|---|---|---|---|---|---|---|
| Heating efficiency 80/60 °C | G20 | % | 97,3–97,9 | 97,3- 97,8 | 97,2–97,7 | 97,4–97,8 |
| Heating efficiency 50/30 °C | G20 | % | 108,4–107,0 | 108,4–106,6 | 108,2–107,6 | 107,9–106,2 |
| Useful efficiency at 30% (return 30 °C) | | % | 108,7 | 108,7 | 108,4 | 109,0 |
| Seasonal efficiency | | % | 93 | 93 | 93 | 93 |

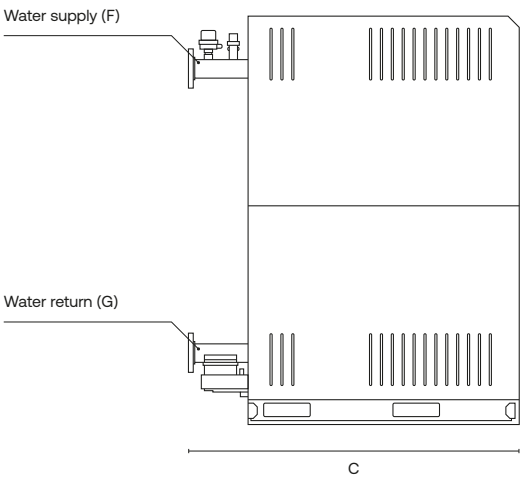
| General | | | | | | |
|---|---|---|---|---|---|---|
| Energy consumption | | W | 641 | 818 | 845 | 1040 |
| Supply voltage / Frequency | | V/Hz | 230/50 | 230/50 | 230/50 | 230/50 |
| Protection class | | IP | X4D | X4D | X4D | X4D |
| Water content | | | 291 | 291 | 390 | 444 |
| Gas category | | | I2E(S), I2E, I2H, I2ELL, I2HS, I2N, I2EK, I3P, I2E(R), II2E3P, II2E(S)3P, II2EK3P, II2H3P, II2L3P, II2E+3P, II2E(R)3P, II2Esi3P, II2Er3P, IIELL3P | | | |
| Gas type | | | G20–G20Y20[1]–G25–G25,1–G25,3–G31 | | | |
| Chimney type(s) | | | B23–B23p–C43–C53–C63–C83 | | | |
| CO emission | | mg/kWh | 20,4 | 27,9 | 24,7 | 17,18 |
| Gas flow rate | G20[2] | $m^3/h$ | 4,5–27,8 | 5,0–33,4 | 6,3–41,6 | 9,2–54,8 |
| Gas flow rate | G25)[2] | m3/h | 5,5–32,0 | 6,2–38,9 | 8,4–47,0 | 11,6–60,6 |
| Gas flow rate | G20Y20[1][2] | $m^3/h$ | 5,2–30,9 | 5,6–38,3 | 7,2–49,2 | 10,6–62,7 |
| Gas flow rate | G31[2] | $m^3/h$ | 2,7–11,1 | 3,3–13,3 | 3,7–15,0 | 5,1–20,7 |
| NOx class | | | 6 | 6 | 6 | 6 |
| NOx level | | mg/kWh | 39,2 | 36,6 | 30 | 24 |

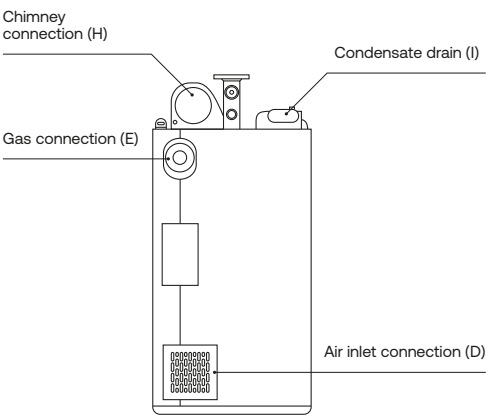
(1) Up to 20 vol.% hydrogen.
(2) 15 °C, 1.013,25 mbar, dry gas.

| Dimensions | | NP 280 FSW | NP 350 FSW | NP 420 FSW | NP 570 FSW |
|---|---|---|---|---|---|
| Width (A) | mm | 762 | 762 | 762 | 865 |
| Height (B) | mm | 1970 | 1970 | 1970 | 1970 |
| Depth (C) | mm | 1306 | 1306 | 1306 | 1556 |
| Empty weight | kg | 549 | 549 | 624 | 728 |

| Connections | | NP 280 FSW | NP 350 FSW | NP 420 FSW | NP 570 FSW |
|---|---|---|---|---|---|
| Air inlet connection (D) | mm | 150 | 150 | 150 | 250 |
| Gas connection (E) | inch | G 1 1/2 | G 1 1/2 | G 1 1/2 | Flange DN 65 Class PN 6 |
| Water supply (F) | inch | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 |
| Water return (G) | inch | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 |
| Chimney connection (H) | mm | 180 | 180 | 200 | 200 |
| Condensate drain (I) | mm | 26,7 | 26,7 | 26,7 | 26,7 |



| Performance | | | NP 700 FSW | NP 840 FSW | NP 1080 FSW | NP 1260 FSW |
|---|---|---|---|---|---|---|
| Heat input (net) | G20 / G25 / G20Y20[1] | kW | 104,0–660,0 | 107,8–792,0 | 167,0–1020,0 | 185,0–1190,0 |
| Heat input (net) | G31 | kW | 155,0–660,0 | 197,0–792,0 | 255,0–1020,0 | 301,0–1190,0 |
| Heat output at 80/60 °C | G20 / G25 / G20Y20[1] | kW | 101,0–644,4 | 104,7–773,8 | 163,0–993,5 | 180,7–1158,7 |
| Heat output at 80/60 °C | G31 | kW | 150,8–645,1 | 190,9–771,8 | 249,6–996,5 | 294,7–1162,6 |
| Heat output at 50/30 °C | G20 / G25 / G20Y20[1] | kW | 112,2–702,6 | 116,6–835,6 | 179,4–1082,8 | 199,0–1258,4 |
| Heat output at 50/30 °C | G31 | kW | 165,2–693,2 | 210,0–818,1 | 271,1–1051,6 | 310,3–1226,9 |

**Efficiency**

| | | | | | | |
|---|---|---|---|---|---|---|
| Heating efficiency 80/60 °C | G20 | % | 97,1–97,6 | 97,1–97,7 | 97,7–97,4 | 97,7–97,4 |
| Heating efficiency 50/30 °C | G20 | % | 107,8–106,5 | 108,2–105,5 | 107,5–106,2 | 107,6–105,8 |
| Useful efficiency at 30% (return 30 °C) | | % | 108,4 | 108,5 | 108,1 | 108 |
| Seasonal efficiency | | % | 93 | 93 | 93 | 93 |

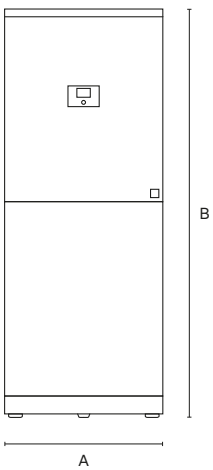
**General**

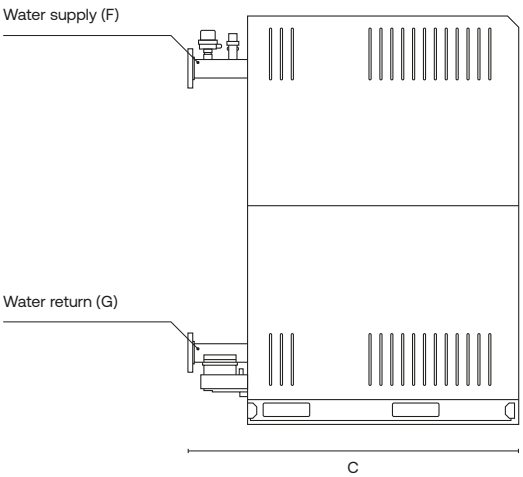
| | | | | | | |
|---|---|---|---|---|---|---|
| Energy consumption | | W | 1366 | 2068 | 2924 | 3966 |
| Supply voltage / Frequency | | V/Hz | 230/50 | 3x400/50 | 3x400/50 | 3x400/50 |
| Protection class | | IP | X4D | X4D | X4D | X4D |
| Water content | | | 563 | 563 | 600 | 600 |
| Gas category | | | I2E(S), I2E, I2H, I2ELL, I2HS, I2N, I2EK, I3P, I2E(R), II2E3P, II2E(S)3P, II2EK3P, II2H3P, II2L3P, II2E+3P, II2E(R)3P, II2Esi3P, II2Er3P, IIELL3P | | | |
| Gas type | | | G20–G20Y20[1]–G25–G25,1–G25,3–G31 | | | |
| Chimney type(s) | | | B23–B23p–C43–C53–C63–C83 | | | |
| CO emission | | mg/kWh | 18,26 | 21,48 | 21,48 | 21,48 |
| Gas flow rate | G20[2] | m3/h | 10,5–68,0 | 10,6–77,8 | 17,5–106,6 | 19,2–123,6 |
| Gas flow rate | G25[2] | m3/h | 13,0–79,1 | 13,1–90,5 | 21,0–126,2 | 23,0–143,4 |
| Gas flow rate | G20Y20[1][2] | m3/h | 12,6–75,8 | 12,8–93,0 | 20,2–117,5 | 22,1–143,9 |
| Gas flow rate | G31[2] | m3/h | 6,3–26,8 | 7,6–31,0 | 10,4–41,3 | 12,4–48,1 |
| NOx class | | | 6 | 6 | 6 | 6 |
| NOx level | | mg/kWh | 36,2 | 29 | 39,7 | 24 |

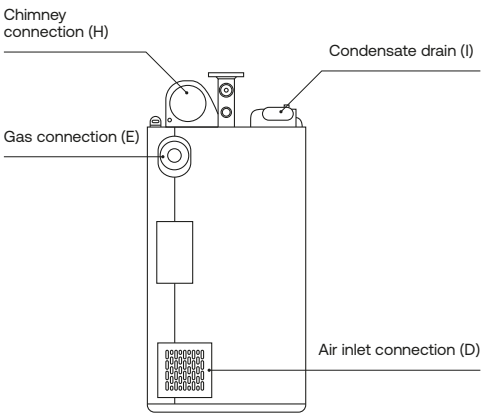
(1) Up to 20 vol.% hydrogen.
(2) 15 °C, 1.013,25 mbar, dry gas.

| Dimensions | | NP 700 FSW | NP 840 FSW | NP 1080 FSW | NP 1260 FSW |
|---|---|---|---|---|---|
| Width (A) | mm | 865 | 865 | 1132 | 1132 |
| Height (B) | mm | 1970 | 1970 | 2025 | 2025 |
| Depth (C) | mm | 1556 | 1556 | 1806 | 1806 |
| Empty weight | kg | 887 | 897 | 1158 | 1250 |

| Connections | | | | | |
|---|---|---|---|---|---|
| Air inlet connection (D) | mm | 250 | 250 | 300 | 300 |
| Gas connection (E) | inch | Flange DN 65 Class PN 6 | Flange DN 65 Class PN 6 | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 |
| Water supply (F) | inch | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN150 Class PN 16 | Flange DN150 Class PN 16 |
| Water return (G) | inch | Flange DN 80 Class PN 16 | Flange DN 80 Class PN 16 | Flange DN150 Class PN 16 | Flange DN150 Class PN 16 |
| Chimney connection (H) | mm | 250 | 250 | 300 | 300 |
| Condensate drain (I) | mm | 26,7 | 26,7 | 33,4 | 33,4 |

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