# NESTA 120–250

| Performance | | | N 120 | N 160 | N 200 | N 250 |
|---|---|---|---|---|---|---|
| Heat input (net) | G20 / G25 | kW | 11,2–115,5 | 19–150 | 25–190 | 25,5–232 |
| Heat input (net) | G31 | kW | 28,9–115,5 | 37,9–150 | 47,5–190 | 58–232 |
| Heat output at 80/60 °C | G20 / G25 | kW | 10,8–112,8 | 18,3–146,6 | 24,2–185,6 | 24,6–226,7 |
| Heat output at 80/60 °C | G31 | kW | 27,9–112,8 | 36,6–146,5 | 46–185,6 | 56,2–226,7 |
| Heat output at 50/30 °C | G20 / G25 | kW | 12–124 | 20,4–161,2 | 26,8–204,2 | 27,4–249,7 |
| Heat output at 50/30 °C | G31 | kW | 30,5–122 | 40–158,4 | 50–200,5 | 61,4–244,5 |

| Efficiency | | | | | | |
|---|---|---|---|---|---|---|
| Heating efficiency 80/60 °C | G20 | % | 96,5–97,8 | 96,5–97,8 | 96,8–97,7 | 96,5–97,7 |
| Heating efficiency 50/30 °C | G20 | % | 107,4–107,5 | 107,4–107,5 | 107,2–107,5 | 107,6–107,7 |
| Useful efficiency at 30% (return 30 °C) | | % | 108,7 | 108,3 | 108 | 108 |
| Seasonal efficiency | | % | 93 | 93 | 93 | 93 |

| General | | | | | | |
|---|---|---|---|---|---|---|
| Energy consumption | | W | 178 | 197 | 208 | 275 |
| Supply voltage / Frequency / Current | | V/Hz/A | 230/50/3 | 230/50/3 | 230/50/3 | 230/50/3 |
| Protection class | | IP | X4D | X4D | X4D | X4D |
| Water content | | l | 51 | 47 | 66 | 62 |
| Gas category | | | I2H, I2E, I2ELL, I2HS, I2EK, I3P, I2E(R), II2E3P, II2EK3P, II2H3P, II2L3P, II2E+3P, II2E(R)3P, II2Esi3P, II2Er3P | | | |
| Gas type | | | G20–G25–G25,1–G25,3–G31 | | | |
| Chimney type(s) | | | B23–B23P–C43–C53–C63–C83 | | | |
| CO emission | | mg/kWh | 64,5 | 64,5 | 64,5 | 64,5 |
| Gas flow rate | G20(1) | $m^3/h$ | 1,1–10,7 | 1,6–14,3 | 2–18,2 | 1,7–21,9 |
| Gas flow rate | G25(1) | $m^3/h$ | 1,3–12,4 | 1,9–16,6 | 2,3–21,2 | 2,0–25,5 |
| Gas flow rate | G31(1) | $m^3/h$ | 1,2–4,5 | 1,5–6 | 1,9–7,6 | 2,3–9,2 |
| NOx class | | | 6 | 6 | 6 | 6 |
| NOx level | | mg/kWh | 36,6 | 39,4 | 38,7 | 36,0 |

(1) 15 °C, 1.013,25 mbar, dry gas.

# NESTA 300

| Performance | | | N 300 |
|---|---|---|---|
| Heat input (net) | G20 / G25 / G20Y20[1] | kW | 31,0–280,0 |
| Heat input (net) | G31 | kW | 55,0–280,0 |
| Heat output at 80/60 °C | G20 / G25 / G20Y20[1] | kW | 30,0–272,0 |
| Heat output at 80/60 °C | G31 | kW | 53,3–273,8 |
| Heat output at 50/30 °C | G20 / G25 / G20Y20[1] | kW | 33,2–300,0 |
| Heat output at 50/30 °C | G31 | kW | 57,9 -295,1 |

| Efficiency | | | |
|---|---|---|---|
| Heating efficiency 80/60 °C | G20 | % | 96,8–97,3 |
| Heating efficiency 50/30 °C | G20 | % | 107,2–107,1 |
| Useful efficiency at 30% (return 30 °C) | | % | 108,1 |
| Seasonal efficiency | | % | 93 |

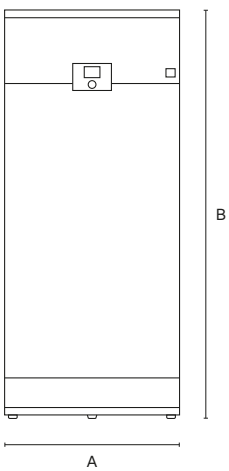
| General | | | |
|---|---|---|---|
| Energy consumption | | W | 410 |
| Supply voltage / Frequency | | V/Hz | 230/50 |
| Protection class | | IP | X4D |
| Water content | | l | 75 |
| Gas category | | | I2E(S), I2H, I2E, I2ELL, I2HS, I2N, I2EK, I3P, I2E(R), II2E3P, II2E(S)3P, II2EK3P, II2H3P, II2L3P, II2E+3P, II2E(R)3P, II2Esi3P, II2Er3P, II2ELL3P |
| Gas type | | | G20-G25-G25.1-G25.3-G31- G20Y20 (80 Vol.-% CH4, 20 Vol.-% H2) |
| Chimney type(s) | | | B23, B23p, C43, C53, C63, C83 |
| CO emission | | mg/kWh | 66,6 |
| Gas flow rate | G20[2] | $m^3/h$ | 3,29–29,02 |
| | G25[2] | $m^3/h$ | 3,75–33,08 |
| Gas flow rate | G20Y20[1][2] | $m^3/h$ | 3,82–33,95 |
| Gas flow rate | G31[2] | $m^3/h$ | 2,25–11,51 |
| NOx class | | | 6 |
| NOx level | | mg/kWh | 24 |

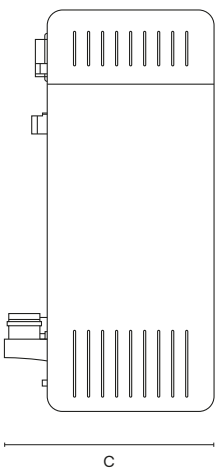
(1) Up to 20 vol.% hydrogen.
(2) 15 °C, 1.013,25 mbar, dry gas.

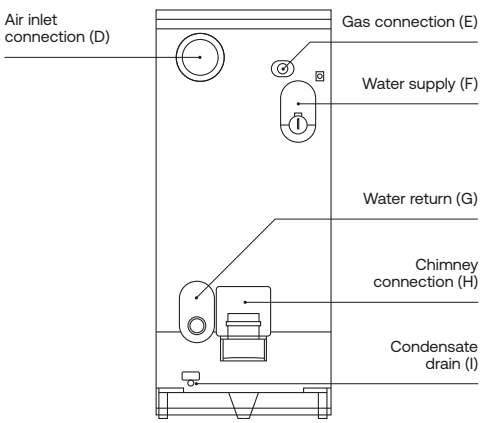
| Dimensions | | N 120 | N 160 | N 200 | N 250 | N 300 |
|---|---|---|---|---|---|---|
| Width (A) | mm | 648 | 648 | 648 | 648 | 648 |
| Height (B) | mm | 1524 | 1524 | 1524 | 1524 | 1524 |
| Depth (C) | mm | 787 | 787 | 859 | 859 | 890 |
| Empty weight | kg | 202 | 224 | 247 | 259 | 283 |

**Connections**

| | | | | | | |
|---|---|---|---|---|---|---|
| Air inlet connection (D) | mm | 125 | 125 | 125 | 125 | 125 |
| Gas connection (E) | in. | G 3/4 | G 3/4 | G 1 | G 1 | BSPP 1 1/2 |
| Water supply (F) | in. | G 2 | G 2 | G 2 1/2 | G 2 1/2 | BSPP 2 1/2 |
| Water return (G) | in. | G 2 | G 2 | G 2 1/2 | G 2 1/2 | BSPP 2 1/2 |
| Chimney connection (H) | mm | 130 | 130 | 180 | 180 | 180 |
| Condensate drain (I) | mm | 25 | 25 | 25 | 25 | 25 |

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