



| Performance                                                         |                             |    | Tx 230   | Tx 99   |
|---------------------------------------------------------------------|-----------------------------|----|----------|---------|
| Nominal heat input (Q)                                              | G20 / G20Y20 <sup>(2)</sup> | kW | 37–230   | 18.3–99 |
| Nominal heat input (Q)                                              | G25                         | kW | 37–230   | 19–99   |
| Nominal heat input (Q)                                              | G31                         | kW | 54.4–230 | 24–99   |
| Nominal heat input (Q)                                              | G30                         | kW | 54.4–230 | –       |
| Nominal useful output (P)                                           | G20 / G20Y20 <sup>(2)</sup> | kW | 246.8    | 105.1   |
| Nominal useful output (P)                                           | G25                         | kW | 249.3    | 107.4   |
| Nominal useful output (P)                                           | G31                         | kW | 239.5    | 105.2   |
| Efficiency for continuous draw-off at constant dT (η <sub>u</sub> ) | G20                         | %  | 107.3    | 106.2   |
| Efficiency for continuous draw-off at constant dT (η <sub>u</sub> ) | G25                         | %  | 108.4    | 108.5   |
| Efficiency for continuous draw-off at constant dT (η <sub>u</sub> ) | G31                         | %  | 104.2    | 106.3   |

Domestic Hot Water Performance <sup>(1)</sup>

|                                                    |       |      |      |
|----------------------------------------------------|-------|------|------|
| Load profile                                       | –     | 4XL  | 3XL  |
| mixed water at 40 °C (V40)                         | l     | ∞    | ∞    |
| Peak flow at 40 °C first 10 minutes <sup>(1)</sup> | l/10' | 1556 | 1249 |
| Peak flow at 40 °C first hour <sup>(1)</sup>       | l/60' | 6982 | 3649 |
| Continuous flow rate at 40 °C                      | l/h   | 6287 | 2758 |
| Continuous flow rate at 60 °C                      | l/h   | 3772 | 1655 |
| Recovery time (10 °C – 55 °C)                      | min   | 6    | 16   |

(1) Operating conditions: Cold water inlet T = 10 °C, Storage temperature T = 80 °C.

(2) Up to 20 vol.% hydrogen.

(3) 15 °C, 1,013.25 mbar, dry gas.

|                                    |                          |                                                                                                                                         |          |          |
|------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| General                            |                          |                                                                                                                                         |          |          |
| Burner electrical power            |                          | W                                                                                                                                       | 169      | 290      |
| Supply voltage/Frequency/Current   |                          | V/Hz/A                                                                                                                                  | 230/50/6 | 230/50/6 |
| Protection class                   |                          | IP                                                                                                                                      | X4D      | X4D      |
| Water content                      |                          | l                                                                                                                                       | 500      | 500      |
| Min water operating pressure       |                          | bar                                                                                                                                     | 0.8      | 0.8      |
| Max water operating pressure       |                          | bar                                                                                                                                     | 10.0     | 10.0     |
| Max DHW operating temperature      |                          | °C                                                                                                                                      | 80       | 80       |
| Gas type                           |                          | G20, G25, G25.1, G25.3, G30, G31, G20Y20                                                                                                |          |          |
| Gas category                       |                          | I2E(S), I2E, I2H, I2E(R), I2ELL, I2HS, I2N, I2EK, I3P, II2E3P, II2E(S)3P, II2EK3P,II2H3P, II2L3P, II2E+3P, II2E(R)3P, II2Esi3P, II2Er3P |          |          |
| Chimney type(s)                    |                          | B23 - B23P - C43 - C53 - C63 - C83                                                                                                      |          |          |
| CO emission                        | G20                      | mg/kWh                                                                                                                                  | 9.67     | 4.30     |
| CO emission                        | G25                      | mg/kWh                                                                                                                                  | 10.74    | 6.44     |
| CO emission                        | G31                      | mg/kWh                                                                                                                                  | 20.41    | 10.74    |
| Gas flow rate                      | G20 <sup>(3)</sup>       | m³/h                                                                                                                                    | 3.9–22.8 | 2–10     |
| Gas flow rate                      | G25 <sup>(3)</sup>       | m³/h                                                                                                                                    | 4.4–26.4 | 2.4–11.8 |
| Gas flow rate                      | G20Y20 <sup>(2)(3)</sup> | m³/h                                                                                                                                    | 4.5–27   | 2.2–12.1 |
| Gas flow rate                      | G30 <sup>(3)</sup>       | m³/h                                                                                                                                    | 1.8–7    | –        |
| Gas flow rate                      | G31 <sup>(3)</sup>       | m³/h                                                                                                                                    | 2.2–8.9  | 0.9–3.9  |
| NOx class                          |                          |                                                                                                                                         | 6.00     | 6.00     |
| NOx level                          |                          | mg/kWh                                                                                                                                  | 37.5     | 37.6     |
| Mass flow rate of flue gases (max) |                          | g/s                                                                                                                                     | 96.6     | 8        |
| Max flue gas temperature           |                          | °C                                                                                                                                      | 71       | 60       |

(1) Operating conditions: Cold water inlet T = 10 °C, Storage temperature T = 80 °C.  
(2) Up to 20 vol.% hydrogen.  
(3) 15 °C, 1,013.25 mbar, dry gas.

| Dimensions    |    | Tx 230 | Tx 99 |
|---------------|----|--------|-------|
| Width (A)     | mm | 880    | 880   |
| Height (B)    | mm | 2 171  | 2 171 |
| Depth (C)     | mm | 1 050  | 1 050 |
| Empty weight  | kg | 432.5  | 402.5 |
| Full of water | kg | 932.5  | 902.5 |

Connections

|                          |      |         |       |
|--------------------------|------|---------|-------|
| Cold water inlet (D)     | inch | G 2     | G 2   |
| DHW outlet (E)           | inch | G 2     | G 2   |
| Recirculation (F)        | inch | G 1     | G 1   |
| Drain connection (G)     | inch | G 1     | G 1   |
| Gas connection (H)       | inch | G 1 1/4 | G 3/4 |
| Condensate drain (I)     | mm   | 26.7    | 26,7  |
| Flue gas connection (J)  | mm   | 150     | 150   |
| Air inlet connection (K) | mm   | 100     | 100   |

