

Performance			NC 24 WH	NC 32 WH	NC 38 WH	NC 45 WH
Heat input (net)	G20 / G25 / G31	kW	3,2–24,0	3,2–32,0	4,5–38,0	4,5–45,0
Heat input (net)	G20Y20 <sup>(1)</sup>	kW	3,0–22,7	3,0–30,3	4,3–36,0	4,3–42,6
Heat output at 80/60 °C	G20 / G25 / G31	kW	3,1–23,3	3,1–31,1	4,4–37,0	4,4–43,8
Heat output at 80/60 °C	G20Y20 <sup>(1)</sup>	kW	2,9–22,1	2,9–29,4	4,2–35,0	4,2–41,5
Heat output at 50/30 °C	G20 / G25	kW	3,4–25,4	3,4–33,8	4,8–40,2	4,8–47,5
Heat output at 50/30 °C	G31	kW	3,3–25,0	3,3–33,3	4,7–39,5	4,7–46,8
Heat output at 50/30 °C	G20Y20 <sup>(1)</sup>	kW	3,2–24,0	3,2–32,0	4,5–38,0	4,5–38,0

## Efficiency

Heating efficiency 80/60 °C	G20 / G25	%	97	97	97,3	97,3
Heating efficiency 50/30 °C	G20 / G25	%	105,9	105,7	105,7	105,6
Useful efficiency at 30% (return 30 °C)	G20 / G25	%	108,4	108,4	107,7	107,7
Seasonal efficiency		%	93	93	93	93

## General

Energy consumption		W	67,5	67,5	90	90
Supply voltage / Frequency / Current		V/Hz/A	230/50/6	230/50/6	230/50/6	230/50/6
Protection class		IP	X4D	X4D	X4D	X4D
Water content		l	c	8	11,5	11,6
Gas category			I2E(S,R), I2H, I2E, I2ELL, I2EK, I3P, I2E3P, I2EK3P, I2L3P, I2H3P, I2Er3P			
Gas type			G20–G20Y20 <sup>(1)</sup> –G25–G25,3–G31			
Chimney type(s)			B23–B23P–C13(x)–C33(x)–C43(x)–C53(x)–C63(x)–C83(x)–C93(x)			
CO emission		mg/kWh	25	31	43	57
Gas flow rate	G20 <sup>(2)</sup> / G20Y20 <sup>(1),(2)</sup>	m <sup>3</sup> /h	0,34–2,54	0,34–3,37	0,47–4,01	0,47–4,75
Gas flow rate	G25 <sup>(2)</sup>	m <sup>3</sup> /h	0,38–2,87	0,38–3,84	0,54–5,54	0,54–5,37
Gas flow rate	G31 <sup>(2)</sup>	m <sup>3</sup> /h	0,13–0,96	0,13–1,29	0,18–1,53	0,18–1,81
NOx class			6	6	6	6
NOx level		mg/kWh	35,1	35,1	37,6	37,6
Energy class			A	A	A	A

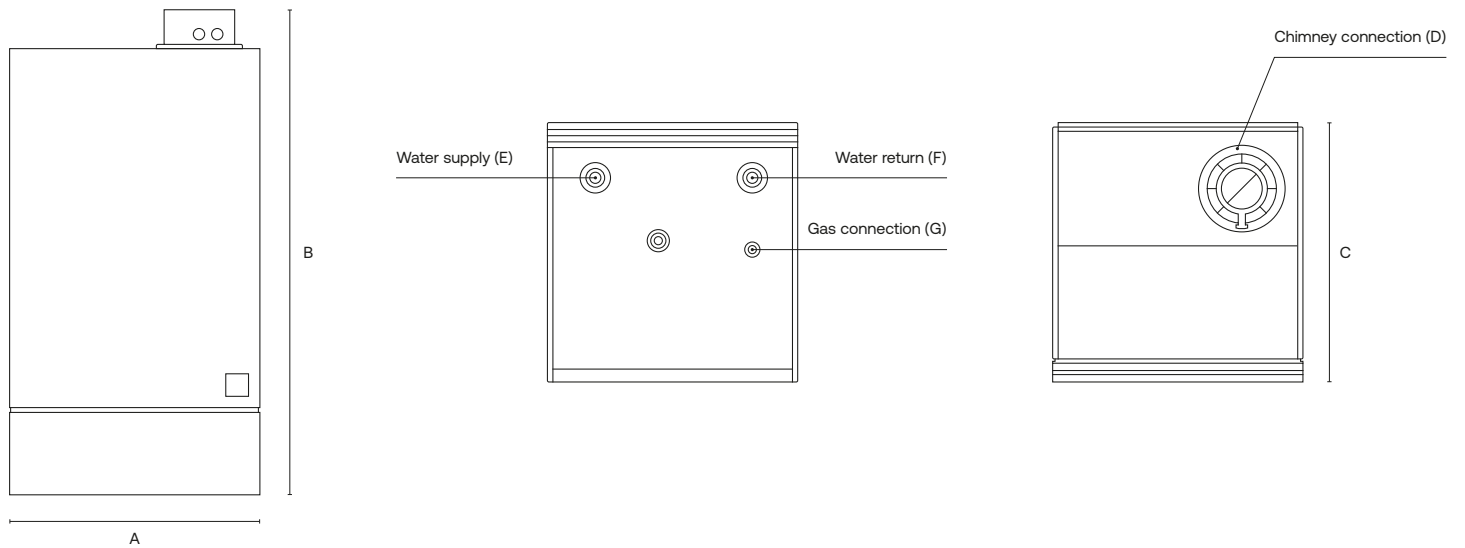
(1) Up to 20 vol.% hydrogen.

(2) 15 °C, 1.013,25 mbar, dry gas.

Dimensions		NC 24 WH	NC 32 WH	NC 38 WH	NC 45 WH
Width (A)	mm	445	445	445	445
Height (B)	mm	980	980	980	980
Depth (C)	mm	400	400	400	400
Max chimney length	m	15	15	15	15
Empty weight	kg	53	53	64	64

### Connections

Chimney connection (concentric) (D)	mm	80/125	80/125	80/125	80/125
Water supply (E)	inch	3/4	3/4	1	1
Water return (F)	inch	3/4	3/4	1	1
Gas connection (G)	inch	3/4	3/4 </td <td>3/4</td> <td>3/4</td>	3/4	3/4



Performance			NC 60 WH	NC 80 WH	NC 100 WH	NC 115 WH	NC 120 WH	NC 150 WH
Heat input (net)	G20 / G25 / G31	kW	8,2–57,5	8,2–80,0	12,0–99,0	12,0–115,0	12,0–120,0	15,0–145,0
Heat input (net)	G20Y20 <sup>(1)</sup>	kW	7,8–54,4	7,8–75,7	11,4–93,7	11,4–108,9	11,4–113,6	14,2–137,3
Heat output at 80/60 °C	G20 / G25 / G31	kW	8,0–55,8	8,0–77,8	11,8–96,5	11,8–112,2	11,8–117,1	14,7–142,5
Heat output at 80/60 °C	G20Y20 <sup>(1)</sup>	kW	7,6–52,8	7,6–73,6	11,2–91,3	11,2–106,2	11,2–110,8	13,9–134,5
Heat output at 50/30 °C	G20 / G25	kW	8,8–60,7	8,8–84,4	12,9–105,2	12,9–122,1	12,9–127,4	16,2–154,0
Heat output at 50/30 °C	G31	kW	8,9–59,8	8,9–83,2	13,3–103,0	13,3–119,6	13,3–124,8	14,8–156,0
Heat output at 50/30 °C	G20Y20 <sup>(1)</sup>	kW	8,3–57,5	8,3–79,9	12,2–99,6	12,2–115,6	12,2–120,6	15,3–148,3

## Efficiency

Heating efficiency 80/60 °C	G20 / G25	%	97,8–97,6	97,8–97,8	98,0–97,9	98,0–98,1	98,0–98,1	98,1–98,1
Heating efficiency 50/30 °C	G20 / G25	%	107,9–105,5	107,9–105,5	107,8–106,2	107,8–106,2	107,8–106,2	107,8–106,0
Useful efficiency at 30% (return 30 °C)	G20 / G25	%	108,4	108,3	108,3	108,2	108,2	108,2
Seasonal efficiency		%	93	93	93	93	93	93

## General

Energy consumption		W	100	150	240	300	300	300
Supply voltage / Frequency / Current		V/Hz/A	230/50/6	230/50/6	230/50/6	230/50/6	230/50/6	230/50/6
Protection class		IP	X4D	X4D	X4D	X4D	X4D	X4D
Water content			19,3	17,6	26,3	25,2	25,2	28,3
Gas category			I2E(S,R), I2H, I2E, I2ELL, I2EK, I3P, II2E3P, II2EK3P, II2L3P, II2H3P, II2Er3P					
Gas type			G20–G20Y20 <sup>(1)</sup> –G25–G25,3–G31					
Chimney type(s)			B23–B23P–C13(x)–C33(x)–C43(x)–C53(x)–C63(x)–C83(x)–C93(x)					
CO emission		mg/kWh	64,8	32	80,2	69,7	69,7	94,5
Gas flow rate	G20 <sup>(2)</sup> / G20Y20 <sup>(1),(2)</sup>	m <sup>3</sup> /h	0,85–6,1	0,84–8,44	1,22–10,29	1,28–11,89	1,28–12,4	1,6–15,35
Gas flow rate	G25 <sup>(2)</sup>	m <sup>3</sup> /h	0,95–6,74	0,94–9,45	1,38–11,74	1,38–13,3	1,38–13,9	1,79–17,2
Gas flow rate	G31 <sup>(2)</sup>	m <sup>3</sup> /h	0,35–2,37	0,40–3,22	0,52–4,05	0,5–4,63	0,5–4,83	0,59–5,88
NOx class			6	6	6	6	6	6
NOx level		mg/kWh	32,6	32,1	39,8	37	37	37,5
Energy class			A	na	na	na	na	na

(1) Up to 20 vol.% hydrogen.

(2) 15 °C, 1.013,25 mbar, dry gas.

Dimensions		NC 60 WH	NC 80 WH	NC 100 WH	NC 115 WH	NC 120 WH	NC 150 WH
Width (A)	mm	550	550	550	550	550	550
Height (B)	mm	980	980	980	980	980	980
Depth (C)	mm	511	511	562	562	562	612
Max chimney length	m	25	25	25	25	25	25
Empty weight	kg	71	75	93	96	96	117

## Connections

Chimney connection (concentric) (D)	mm	100/150	100/150	100/150	100/150	100/150	100/150
Water supply (E)	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Water return (F)	inch	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Gas connection (G)	inch	3/4	3/4	3/4 </td <td>3/4</td> <td>3/4</td> <td>3/4</td>	3/4	3/4	3/4

