



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

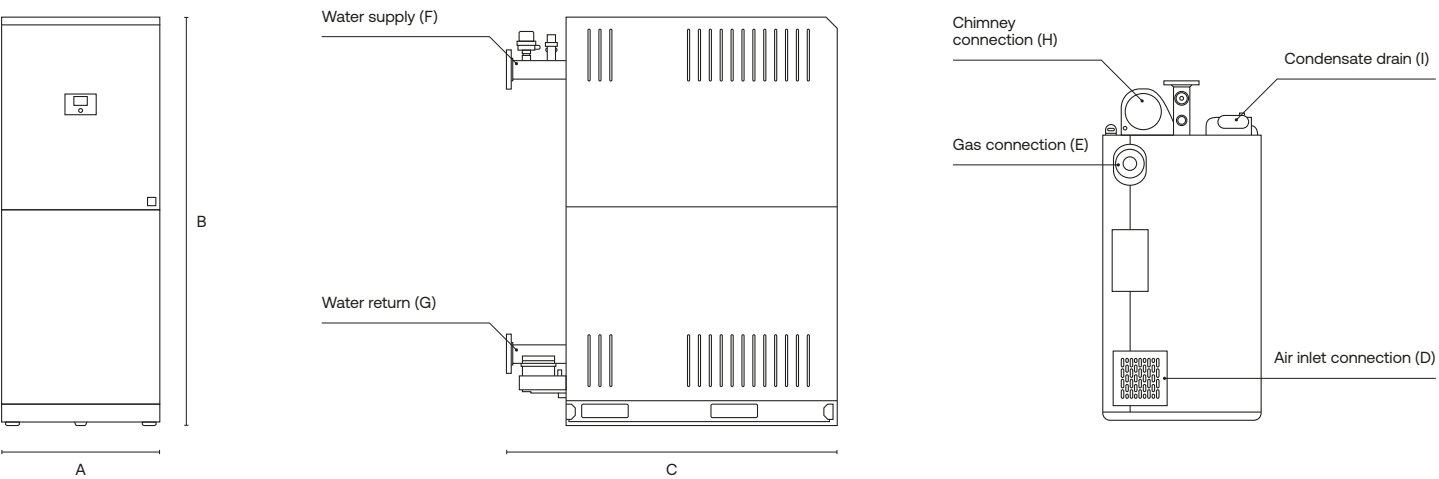
General

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⁾	m³/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⁾	m³/h	5.2–30.9	5.6–38.3	7.2–49.2	10.6–62.7
Gas flow rate	G31 ⁽²⁾	m³/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

