

NESTA PLUS 280–570 FSW



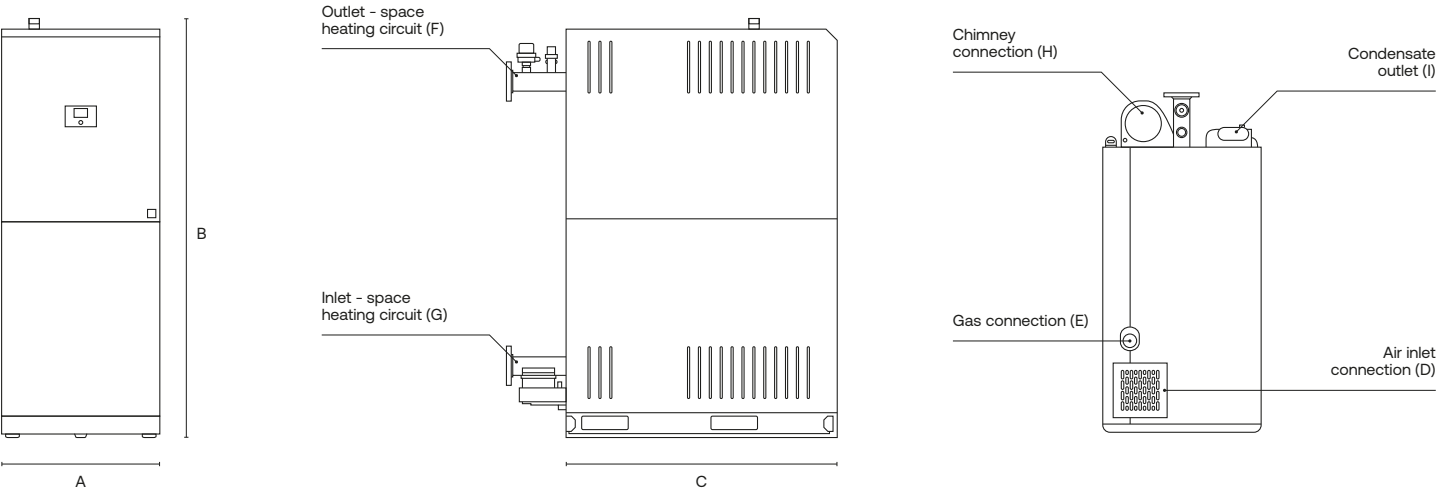
Performance			NP 280 FSW	NP 350 FSW	NP 420 FSW	NP 570 FSW
Heat input (net)	G20 / G25 / G20Y20 ⁽¹⁾	kW	44,0-265,0	48,0-325,0	59,0-401,2	90,0-530,0
	G31	kW	66,0-265,0	80,0-325,0	99,0-401,2	124,0-530,0
Heat output at 80/60 °C	G20 / G25 / G20Y20 ⁽¹⁾	kW	42,8-259,5	46,7-317,7	57,3-392,0	87,6-518,0
	G31	kW	64,0-258,0	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
	G31	kW	70,0-276,8	85,0-338,3	105,5-421,0	132,0-556,0
Efficiency			NP 280 FSW	NP 350 FSW	NP 420 FSW	NP 570 FSW
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)	G20	%	108,7	108,7	108,4	109,0
Seasonal efficiency	G20	%	93	93	93	93
General			NP 280 FSW	NP 350 FSW	NP 420 FSW	NP 570 FSW
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
Capacity	l		291	291	390	444
Min operating pressure	bar		0,8	0,8	0,8	0,8
Max operating pressure	bar		6	6	6	6
Max boiler supply temperature	°C		90	90	90	90
Gas appliance 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 (0% O ₂)	mg/kWh		20,4	27,9	24,7	17,2
Gas flow rate	G20 ⁽²⁾	m ³ /h	4,5-27,8	5,0-33,4	6,3-41,6	9,2-54,8
	G25 ⁽²⁾	m ³ /h	5,5-32,0	6,2-38,9	8,4-47,0	11,6-60,6
	G20Y20 ^{(1),(2)}	m ³ /h	5,2-30,9	5,6-38,3	7,2-49,2	10,6-62,7
	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 emission	mg/kWh		39,2	36,6	30,0	24,0

(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	2020	2020	2020	2020
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 1½"	G 1½"	G 1½"	Flange DN 65 Class PN 6
Outlet - space heating circuit (F)		Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN80 Class PN16
Inlet - space heating circuit (G)		Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN80 Class PN16
Chimney connection (H)	mm	180	180	200	200
Condensate outlet (I)	mm	26,7	26,7	26,7	26,7



NESTA PLUS 700–1260 FSW



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
	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
	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
	G31	kW	165,2–693,2	210,0–818,1	271,1–1051,6	310,3–1226,9
Efficiency			NP 700 FSW	NP 840 FSW	NP 1080 FSW	NP 1260 FSW
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)	G20	%	108,4	108,5	108,1	108
Seasonal efficiency	G20	%	93	93	93	93
General			NP 700 FSW	NP 840 FSW	NP 1080 FSW	NP 1260 FSW
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
Capacity	l		563	563	600	600
Min operating pressure	bar		0,8	0,8	0,8	0,8
Max operating pressure	bar		6	6	6	6
Max boiler supply temperature	°C		90	90	90	90
Gas appliance 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 (0% O ₂)	mg/kWh		18,3	21,5	21,5	21,5
Gas flow rate	G20 ⁽²⁾	m ³ /h	10,5–68,0	10,6–77,8	17,5–106,6	19,2–123,6
	G25 ⁽²⁾	m ³ /h	13,0–79,1	13,1–90,5	21,0–126,2	23,0–143,4
	G20Y20 ^{(1),(2)}	m ³ /h	12,6–75,8	12,8–93,0	20,2–117,5	22,1–143,9
	G31 ⁽²⁾	m ³ /h	6,3–26,8	7,6–31,0	10,4–41,3	12,4–48,1
NOx class			6	6	6	6
NOx emission	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	2020	2020	2076	2076
Depth (C)	mm	1556	1556	1806	1806
Empty weight	kg	887	897	1158	1250

Connections		NP 700 FSW	NP 840 FSW	NP 1080 FSW	NP 1260 FSW
Air inlet connection (D)	mm	250	250	300	300
Gas connection (E)		Flange DN 65 Class PN 6	Flange DN 65 Class PN 6	Flange DN 80 Class PN 16	Flange DN 80 Class PN 16
Outlet - space heating circuit (F)		Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN150 Class PN16	Flange DN150 Class PN16
Inlet - space heating circuit (G)		Flange DN80 Class PN16	Flange DN80 Class PN16	Flange DN150 Class PN16	Flange DN150 Class PN16
Chimney connection (H)	mm	250	250	300	300
Condensate outlet (I)	mm	26,7	26,7	33,4	33,4

