

NESTA 120-250 FS

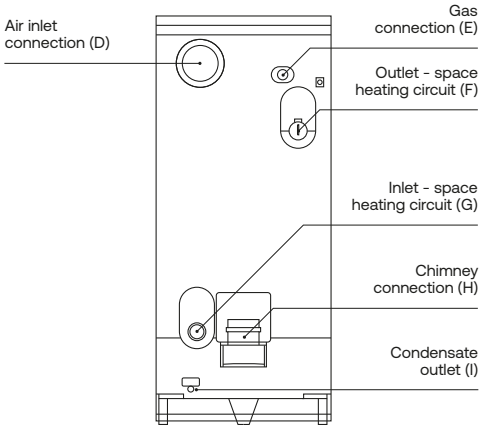
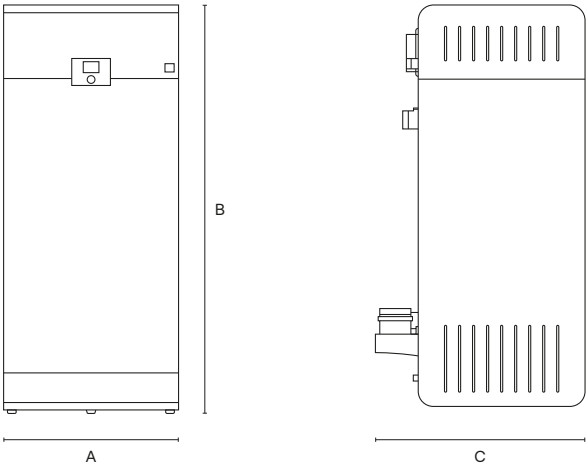


Performance			N 120 FS	N 160 FS	N 200 FS	N 250 FS
Heat input (net)	G20 / G25	kW	11,2-115,5	19,0-150,0	25,0-190,0	25,5-232,0
	G31	kW	28,9-115,5	37,9-150,0	47,5-190,0	58,0-232,0
Heat output at 80/60 °C	G20 / G25	kW	10,8-112,8	18,3-146,6	24,2-185,6	24,6-226,7
	G31	kW	27,9-112,8	36,6-146,5	46,0-185,6	56,2-226,7
Heat output at 50/30 °C	G20 / G25	kW	12,0-124,0	20,4-161,2	26,8-204,2	27,4-249,7
	G31	kW	30,5-122,0	40,0-158,4	50,0-200,5	61,4-244,5
Efficiency			N 120 FS	N 160 FS	N 200 FS	N 250 FS
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)	G20	%	108,7	108,3	108,0	108,0
Seasonal efficiency	G20	%	93	93	93	93
General			N 120 FS	N 160 FS	N 200 FS	N 250 FS
Energy consumption	W		178	197	208	275
Supply voltage / frequency	V/Hz		230/50	230/50	230/50	230/50
Protection class	IP		X4D	X4D	X4D	X4D
Capacity	l		51	47	66	62
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		85	85	85	85
Gas appliance category	I2H, I2E, I2N, I2ELL, I2HS, I2EK, I3P, I2E(R), I12E3P, I12EK3P, I12H3P, I12L3P, I12ELL3P, I12E+3P, I12E(R)3P, I12Esi3P, I12Er3P					
Gas type	G20, G25, G25.1, G25.3, G31					
Chimney type(s)	B23, B23P, C43, C53, C63, C83					
CO emission (0% O ₂)	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	2,0-18,2	1,7-21,9
	G25 ⁽¹⁾	m ³ /h	1,3-12,4	1,9-16,6	2,3-21,2	2,0-25,5
	G31 ⁽¹⁾	m ³ /h	1,2-4,5	1,5-6,0	1,9-7,6	2,3-9,2
NOx class			6	6	6	6
NOx emission	mg/kWh		36,6	39,4	38,7	36,0

(1) 15 °C, 1.013,25 mbar, dry gas.

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

Connections		N 120 FS	N 160 FS	N 200 FS	N 250 FS
Air inlet connection (D)	mm	130	130	130	130
Gas connection (E)	inch	G 3/4	G 3/4	G 1	G 1
Outlet - space heating circuit (F)	inch	G 2	G 2	G 2 1/2	G 2 1/2
Inlet - space heating circuit (G)	inch	G 2	G 2	G 2 1/2	G 2 1/2
Chimney connection (H)	mm	130	130	180	180
Condensate outlet (I)	mm	23	23	23	23



NESTA 300 FS



Performance			N 300 FS
Heat input (net)	G20 / G25 / G20Y20 ⁽¹⁾	kW	31,0-280,0
	G31	kW	55,0-280,0
Heat output at 80/60 °C	G20 / G25 / G20Y20 ⁽¹⁾	kW	30,0-272,0
	G31	kW	53,3-273,8
Heat output at 50/30 °C	G20 / G25 / G20Y20 ⁽¹⁾	kW	33,2-300,0
	G31	kW	57,9-295,1
Efficiency			N 300 FS
Heating efficiency 80/60 °C	G20	%	96,8-97,2
Heating efficiency 50/30 °C	G20	%	107,2-107,1
Useful efficiency at 30% (return 30 °C)	G20	%	108,1
Seasonal efficiency	G20	%	92,56
General			N 300 FS
Energy consumption	W		410
Supply voltage / frequency	V/Hz		230/50
Protection class	IP		X4D
Capacity	l		75
Min operating pressure	bar		0,8
Max operating pressure	bar		6
Max boiler supply temperature	°C		85
Gas appliance 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 ⁽¹⁾		
Chimney type(s)	B23, B23P, C43, C53, C63, C83		
CO emission (0% O ₂)	mg/kWh		66,59
Gas flow rate	G20 ⁽²⁾	m ³ /h	3,3-29,0
	G25 ⁽²⁾	m ³ /h	3,8-33,1
	G20Y20 ^{(1),(2)}	m ³ /h	3,8-34,0
	G31 ⁽²⁾	m ³ /h	2,3-11,5
NOx class	6		
NOx emission	mg/kWh		24

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

Dimensions

N 300 FS

Width (A)	mm	648
Height (B)	mm	1524
Depth (C)	mm	890
Empty weight	kg	283

Connections

N 300 FS

Air inlet connection (D)	mm	130
Gas connection (E)	inch	G 1 1/2
Outlet - space heating circuit (F)	inch	G 2 1/2
Inlet - space heating circuit (G)	inch	G 2 1/2
Chimney connection (H)	mm	180
Condensate outlet (I)	mm	23

