

NESTA ^{PLUS}

FLOOR-STANDING CONDENSING BOILERS

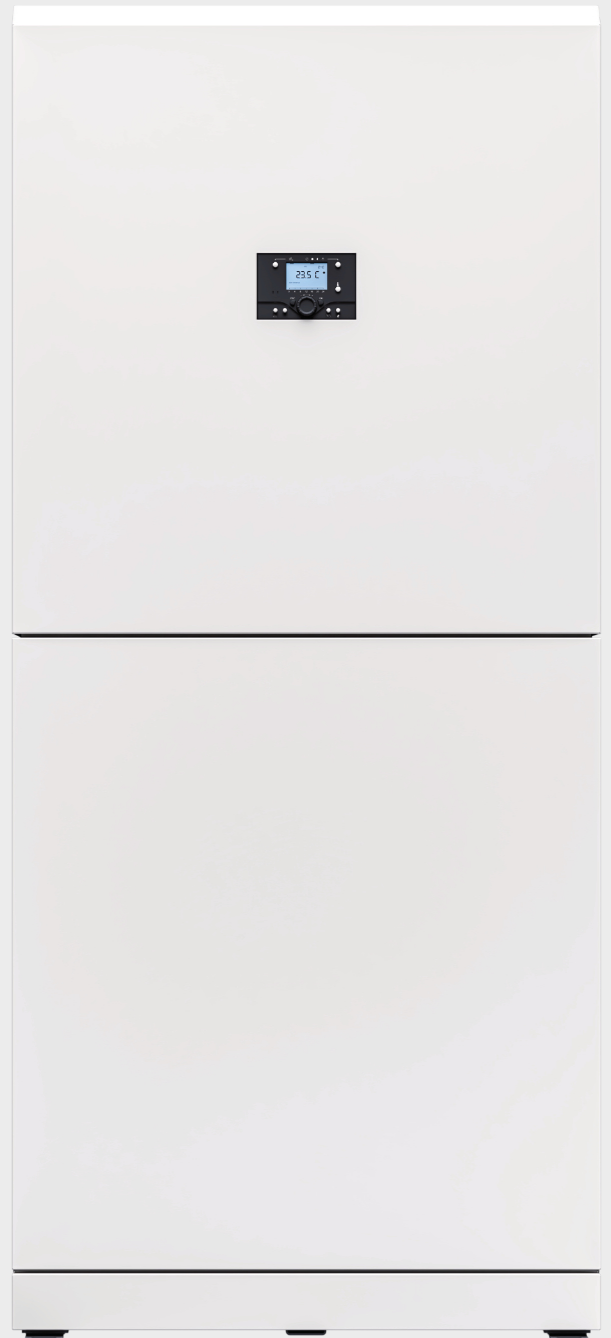
280-420-570-840

NESTA PLUS

HIGH EFFICIENCY CONDENSING BOILERS

Floor-standing models from 280 kW - 840 kW

Condensing boilers from AIC cover a wide range of outputs, the perfect solution for a variety of commercial applications. At the heart of our boilers lie our high quality stainless steel heat exchangers, which are designed, developed and manufactured by our in house engineers at AIC.



5 YEAR WARRANTY*
BOILERS

10 YEAR WARRANTY*
HEAT EXCHANGER

* subject to Terms and Conditions

NESTA PLUS

FLOOR-STANDING CONDENSING BOILERS

AIC unveils an extended range of larger outputs of high efficiency condensing boilers from 280 kW to 840 kW to complement the existing range.

The extended range of NESTA boilers are designed for commercial and industrial applications. Based on the tried and tested Fire Tube design heat exchanger, the range of floor-standing condensing boilers are now up to 840 kW outputs. The NESTA range can also be installed in cascade which increases the options even further.

NESTA comes in four output sizes, with extremely compact dimensions. The heat exchangers powering this range of boilers are made entirely of stainless steel and are characterized by high thermal efficiency, durability and corrosion resistance.



The Fire Tube stainless steel heat exchanger provided maximum heat extraction with minimum size. Corrosion-resistant surface of the heat exchanger ensures uninterrupted condensing efficiency, low maintenance costs and product longevity.

NESTA PLUS is the perfect solution due to the small footprint of the boilers, ideally suited for installations in schools, hospitals, office complexes, hotels, leisure centres as well as care homes or any applications where plant room space is at a premium.

KEY FEATURES & BENEFITS

Stainless steel Fire Tube heat exchanger

Easy installation and serviceability

Compact dimensions

Wide modulation ratio

Small footprint

Low NOx burner

Stainless steel internal pipework

Lightweight casing





Thermal efficiency up to

108%

Modulation ratio up to

10:1

NOx class:

6



01 Gas mixing system with constant air/gas modulation ratio

02 Stainless steel Fire Tube heat exchanger

03 Sealed air duct (air filter optional)

04 Condensate drain dish

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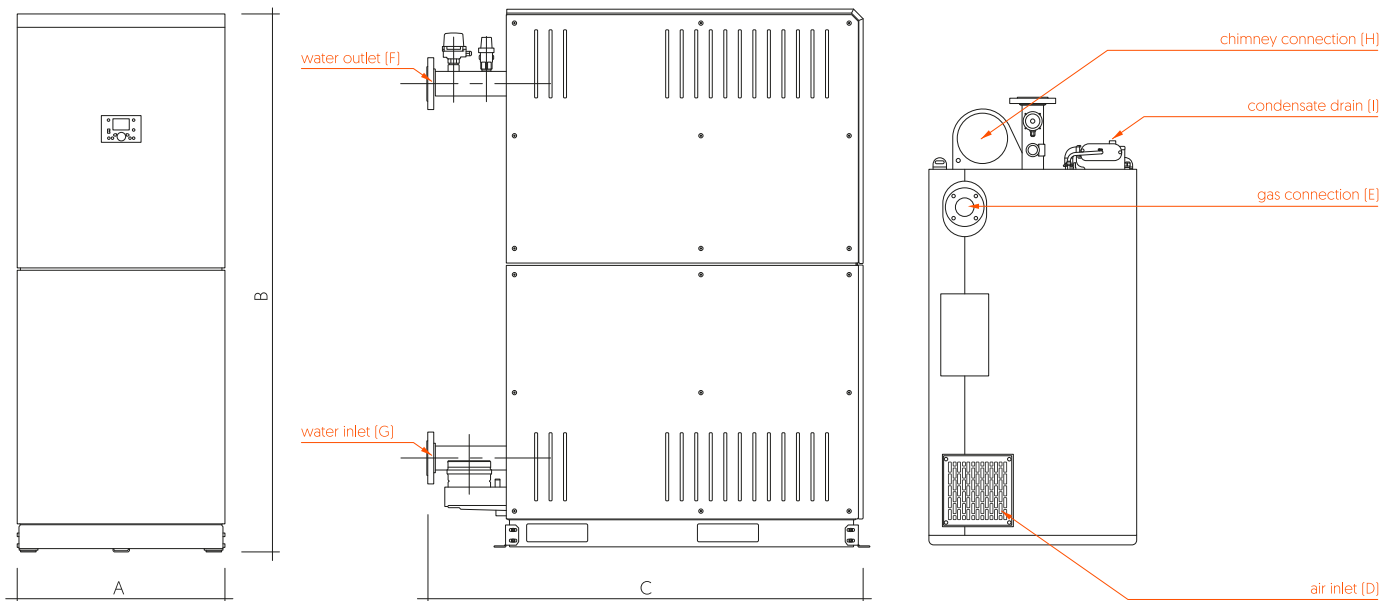
TECHNICAL DATA

			NP 280	NP 420	NP 570	NP 840
PERFORMANCE						
heat input (net)	G20	kW	44 - 265	41.9 - 401.2	77 - 530	90 - 792
	G31		66 - 265	99 - 401.2	124 - 530	197 - 792
heat output at 80/60°C	G20	kW	42.2 - 258	39.8 - 388.1	74.1 - 516	86.6 - 769.8
	G31		64 - 258	96 - 390	120 - 515	190.4 - 769.8
heat output at 50/30°C	G20	kW	47.3 - 281.6	43.1 - 421.3	82.2 - 567	96.7 - 831.5
	G31		70 - 276.8	105 - 419	132 - 556	209.5 - 816.1
EFFICIENCY						
heating efficiency 80/60°C		%	96 - 97.4	96.2 - 97.4	96.3 - 97.4	96.2 - 97.2
heating efficiency 50/30°C		%	107.5 - 106.3	107.4 - 106.9	106.8 - 107	107.5 - 105
useful efficiency at 30% (return 30°C)		%	108.3	108	108	108.3
seasonal efficiency		%	93	93	93	93
GENERAL						
water content		l	291	390	444	563
gas category	2E(S) - I2E - I2H - I2ELL - I2HS - I2N - I2EK - I3P - I2E(R) - II2E3P - II2E(S)3P II2EK3P - II2H3P - II2L3P - II2E+3P - II2E(R)3P - II2Esi3P - II2Er3P					
gas type	G20 - G25 - G25,1 - G25,3 - G31					
chimney type(s)	B23 - B23p - C43 - C53 - C63 - C83					
CO emission		mg/kWh	26.8	24.7	31.1	21.5
gas flow rate (G20)**		m ³ /h	4.5 - 26.2	4.8 - 40.4	7.5 - 52.1	8.6 - 77.8
gas flow rate (G31)**		m ³ /h	2.5 - 10.2	3.7 - 15	5.1 - 20.7	7.6 - 31
NOx class			6	6	6	6

		NP 280	NP 420	NP 570	NP 840
DIMENSIONS					
boiler width (A)	mm	760	760	865	865
boiler height (B)	mm	1970	1970	1970	1970
boiler depth (C)	mm	1310	1310	1555	1555
empty weight	kg	578	658	835	934

CONNECTIONS

air inlet (D)	mm	150	150	250	250
gas connection (E)	in	G 1½	G 1½	Flange DN 65 Class PN 6	Flange DN 65 Class PN 6
water outlet (F)	in	Flange DN 80 Class PN 16	Flange DN 80 Class PN 6	Flange DN 80 Class PN 16	Flange DN 80 Class PN 16
water inlet (G)	in	Flange DN 80 Class PN 16	Flange DN 80 Class PN 16	Flange DN 80 Class PN 16	Flange DN 80 Class PN 6
chimney connection (H)	mm	180	200	200	250
condensate drain (I)	mm	26.7	26.7	26.7	26.7



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AIC Heating UK Ltd. is a subsidiary of AIC Europe B.V., Graafschap Hornelaan 163, NL-6001 AC Weert, The Netherlands. AIC Europe B.V. is a designer and manufacturer of high-efficiency condensing appliances for commercial applications.

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