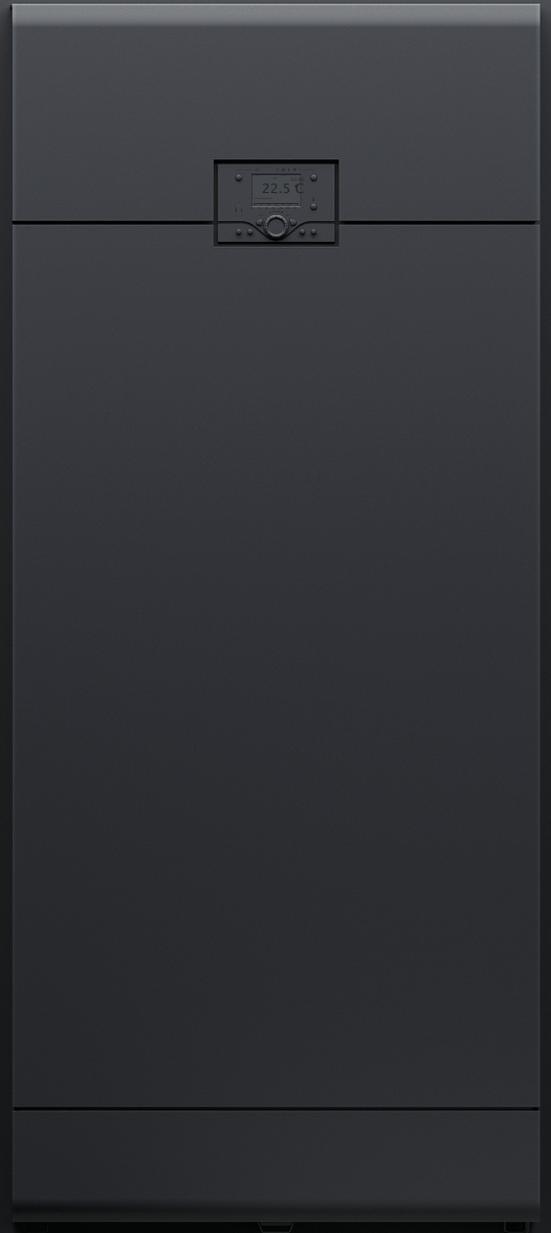




# NESTA

FLOOR - STANDING CONDENSING BOILERS

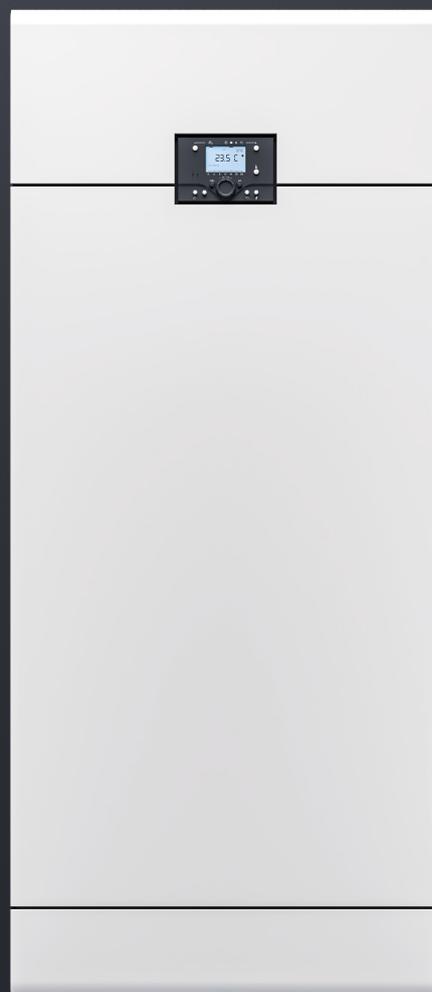
120-160-200-250



# HIGH EFFICIENCY CONDENSING BOILERS

Floor-standing models from 120 kW up to 250 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

# FLOOR-STANDING CONDENSING BOILERS

NESTA - range of floor-standing condensing boilers from AIC

High-efficiency and enhanced performance with intelligent control system. Built with a stainless steel heat exchanger of proven Fire Tube design, AIC boilers are suitable for demanding commercial applications.



NESTA boilers are available in four output models, all within a single enclosure size. With such a small footprint they can be easily installed in areas with space constraints. All NESTA boilers are powered by the state-of-the-art heat exchanger and ultra-low NOx Premix burners.



POWER OUTPUTS



**All NESTA boilers feature the unique Fire Tube heat exchanger, built from high grade stainless steel which ensures higher resistance to oxidation and corrosion.**

The Fire Tube design means unique geometry of tubes that increases the heat transfer by creating a turbulent flow of flue gases. These high quality stainless steel components maximise the boilers efficiency and reliability. All these features contribute to longevity and dependability of the boiler.

#### KEY FEATURES & BENEFITS

**Stainless steel Fire Tube heat exchanger**

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**Easy installation and serviceability**

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**Compact dimensions**

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**Wide modulation ratio**

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**Small footprint**

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**Low NOx burner**

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**Stainless steel internal pipework**

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**Lightweight aluminium casing**





thermal efficiency up to:

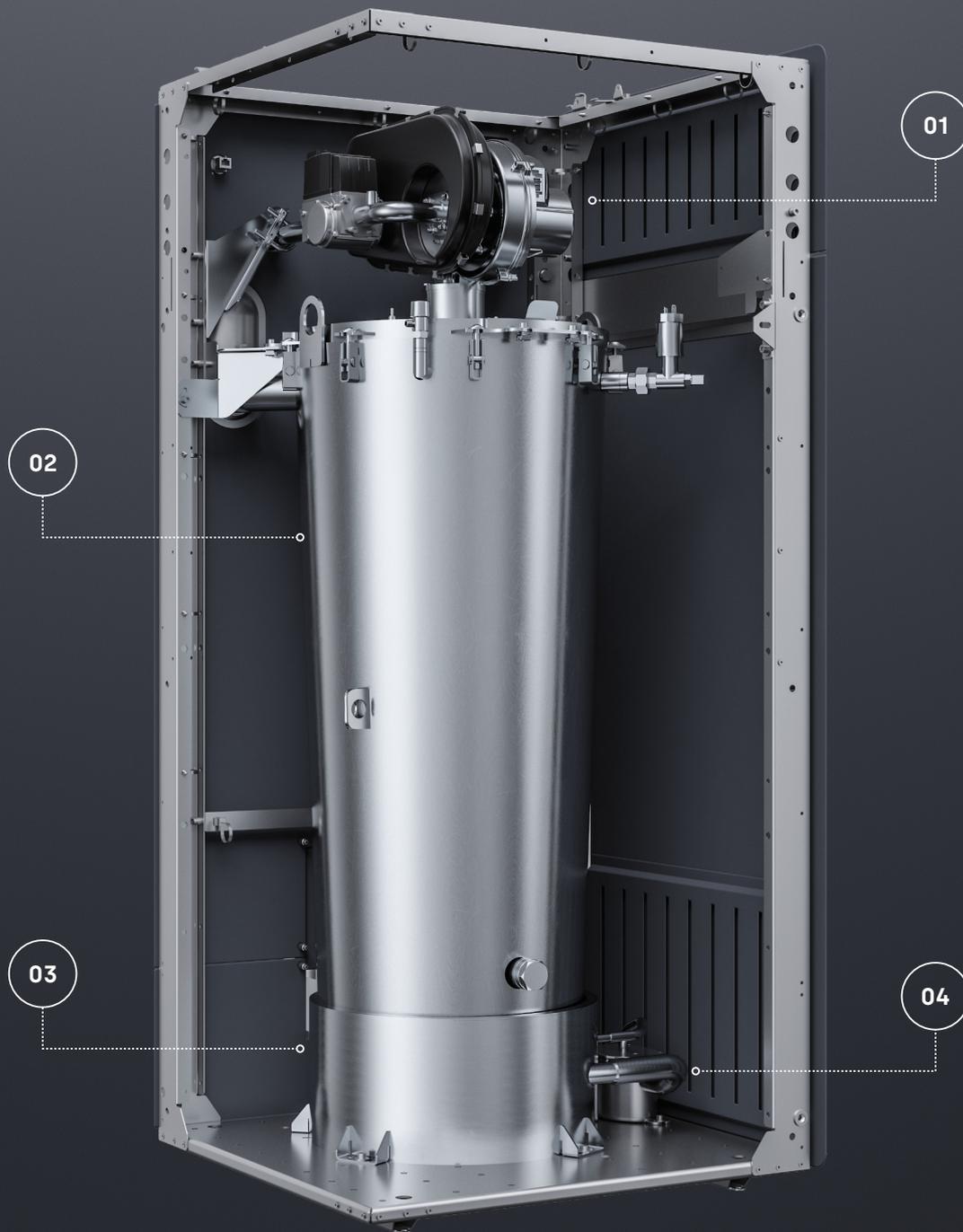
108%

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** condensate drain dish

**04** condensate trap

# NESTA

## TECHNICAL SPECIFICATIONS

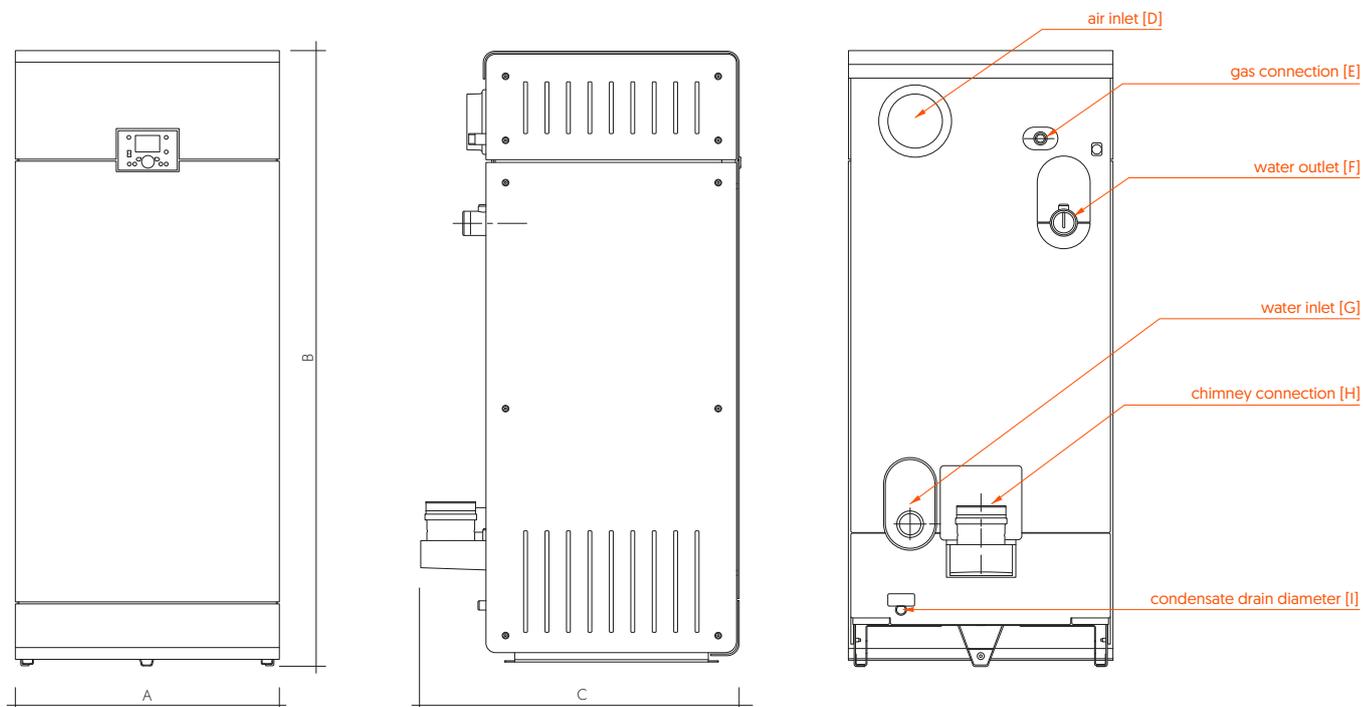
		N 120	N 160	N 200	N 250
PERFORMANCE					
heat input (net)	kW	11.2 - 115.5	19 - 150	25 - 190	25.5 - 232
heat output at 80/60°C	kW	10.8 - 112.8	18.3 - 146.6	24.2 - 185.6	24.6 - 226.7
heat output at 50/30°C	kW	12 - 124	20.4 - 161.2	26.8 - 204.2	27.4 - 249.7
EFFICIENCY					
heating efficiency 80/60°C	%	96.5 - 97.8	96.5 - 97.8	96.8 - 97.7	96.5 - 97.7
heating efficiency 50/30°C	%	107.4 - 107.5	107.4 - 107.5	107.2 - 107.5	107.6 - 107.7
useful efficiency at 30% (return 30°C)	%	108.7	108.3	108	108
seasonal efficiency	%	93	93	93	93
GENERAL					
empty weight	kg	185	199	224	236
gas category		I2H, I2E, I2E(S), I2E(R), I2ELL, I2HS, I2N, I2EK, I3P, I12E3P, I12E(S)3P, I12E(R)3P, I12EK3P, I12H3P, I12L3P, I12E+3P, I1Esi3P, I12Er3P			
gas type		G20 - G25 - G25.1 - G25.3 - G31			
chimney type		B23 - B23P - C43 - C53 - C63 - C83			
chimney connection	mm	130	130	180	180
air inlet	mm	125	125	125	125
maximum chimney length	m	30	30	30	30
casing material		polypropylene / stainless steel			
CO emission	mg/kWh	64.5	64.5	64.5	64.5
gas consumption at nominal heat load	m <sup>3</sup> /h	1.1 - 10.7	1.6 - 14.3	2 - 18.2	1.7 - 21.9
NOx class		6	6	6	6
water content	l	51	47	66	62

## DIMENSIONS

		<b>N 120</b>	<b>N 160</b>	<b>N 200</b>	<b>N 250</b>
<b>boiler width [A]</b>	mm	648	648	648	648
<b>boiler height [B]</b>	mm	1524	1524	1524	1524
<b>boiler depth [C]</b>	mm	631	631	631	631

## CONNECTIONS

<b>air inlet [D]</b>	mm	125	125	125	125
<b>gas connection [E]</b>	inch	$\frac{3}{4}$	$\frac{3}{4}$	1	1
<b>water outlet [F]</b>	inch	2	2	2½	2½
<b>water inlet [G]</b>	inch	2	2	2½	2½
<b>chimney connection [H]</b>	mm	130	130	180	180
<b>condensate drain diameter [I]</b>	mm	25	25	25	25



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