

1000-1650kW

NEW



FEATURES

Ongas Nova offers a wide range of heating options from 1000 kW to 1650 kW, while aluminium casting exchanger, fiber coated stainless steel burner and high-tech automation panel provides comfortable operation.

You will continue to use your boilers with the highest quality aluminium cast heat exchanger produced in the Önmetal Casting Production facilities that use their own original designs in all boilers, as well as being capable of producing the highest heating capacity condensing boiler exchanger in Europe.



6
BAR

%109
Efficiency

ERP

Low DB

CAST AI

Frost
Protection

Önmetal

Original Design: The production and boiler assembly of aluminum casting heat exchangers with an original design are completed at Önmetal casting facilities.

High Operating Pressure: Boilers can operate smoothly in high-rise buildings without the need for a plate heat exchanger with a working pressure of 6 bars.

Large Modulation Range: 1:7 ratio modulation ratio works according to the need and provides high gas saving.

Maximum Energy Saving: Thanks to specially designed pins and flue gas channels, it reaches up to 109% efficiency value.

Compliant with ERP Regulation: it has low emission values with its environmentally friendly product design.

Use with Natural Gas: Gas inlet pressure of boilers 21 mbar

CE

Rima Heating System is the commercial organization and registered trademark of Foundry Industry Önmetal. In our product range; Floor and Wall Standing Condensing boilers with heat exchangers produced by our own patent and atmospheric boilers, solid fuel boilers, boilers with gas /fuel burner

The head office is located in İstanbul Organized Industrial Zone and the main factory is located in Edirne. It has a high production capacity in its modern production facilities in a closed area of 10.000 m2 with a continuous investment in new machinery and automation.



rima

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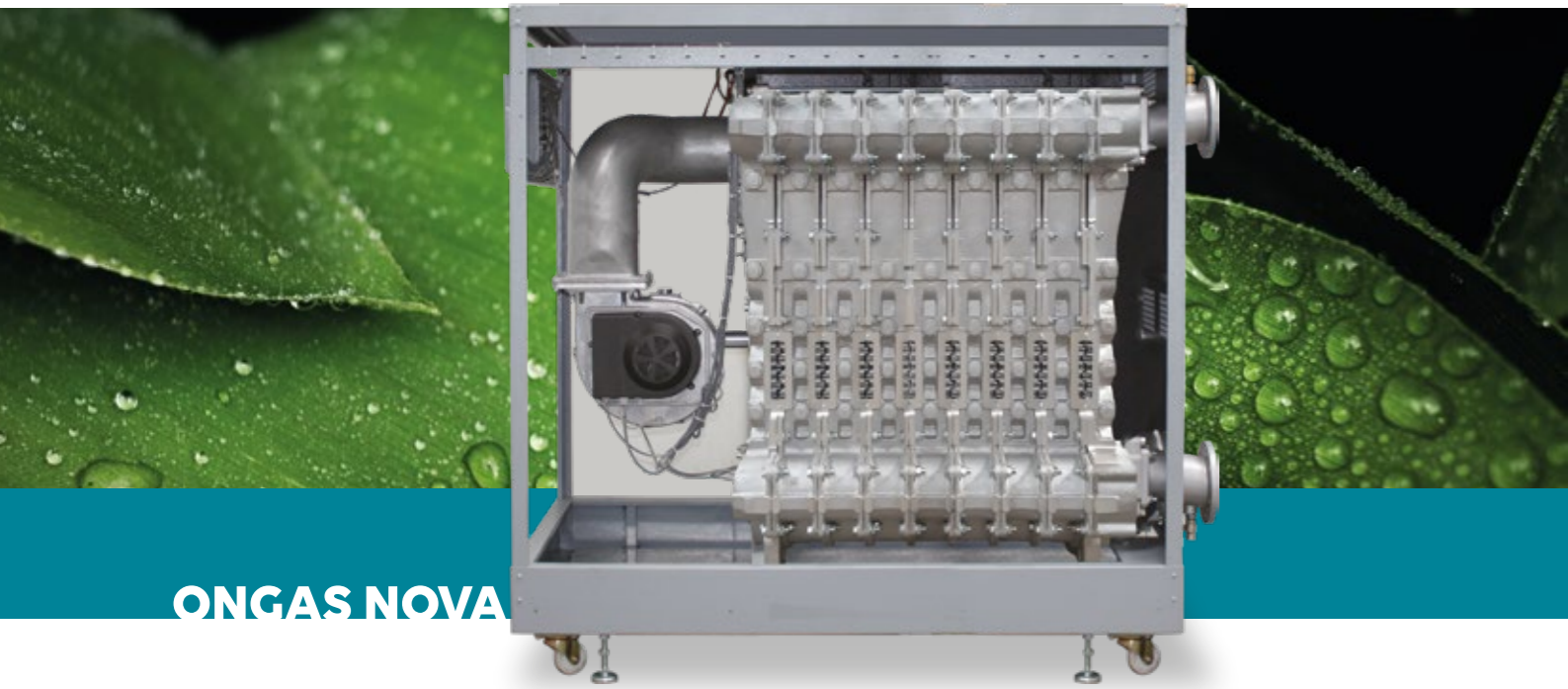
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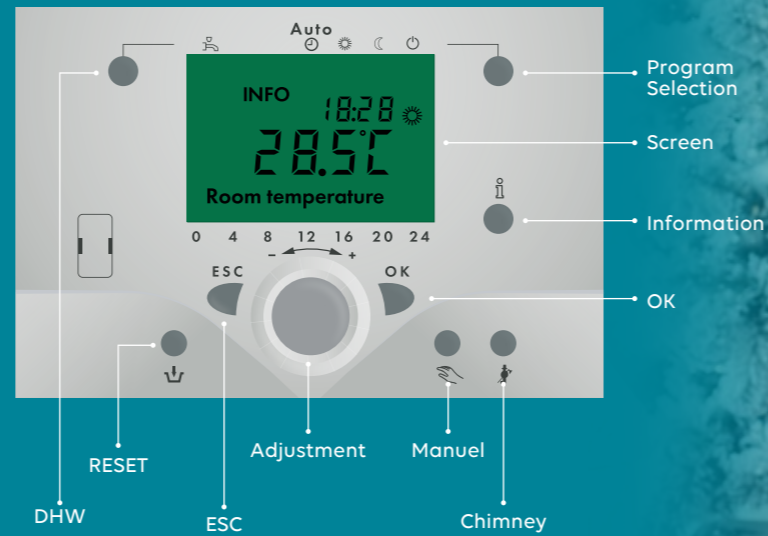
ONGAS NOVA
FLOOR STANDING CONDENSING BOILER

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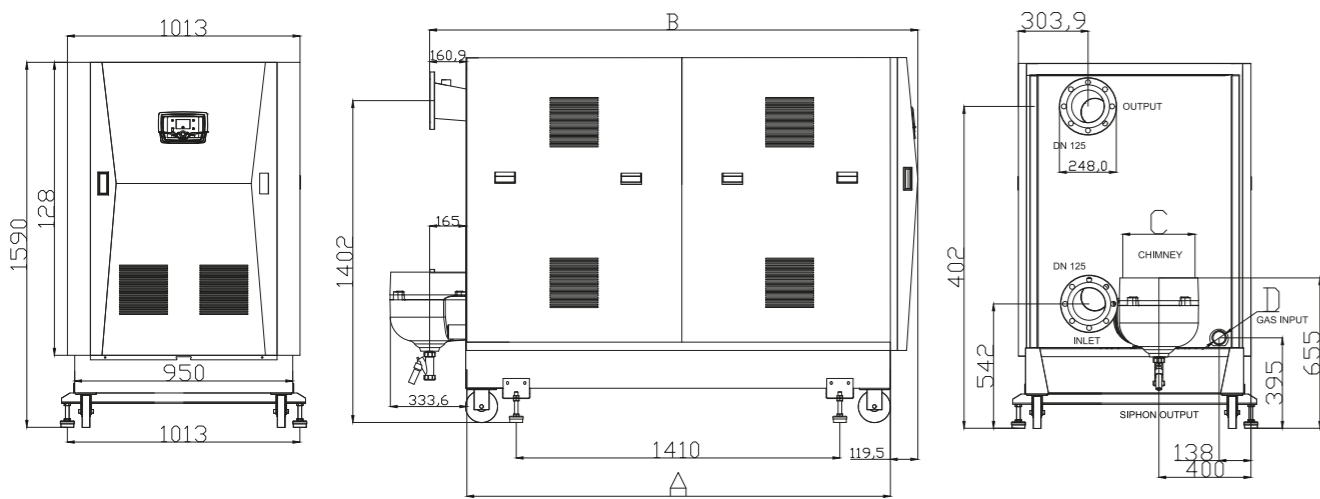


ONGAS NOVA

Control Panel



- On-screen automatic diagnostic system
- Programming the daily and weekly working time
- Remote control opportunity without landing in the boiler room
- Frost protection and legionella protection function
- High comfort provided by room thermostat
- Cascade operation up to 16 devices with integrated bus feature
- Multi-zone heating control and, if desired, the option of suitability to work with the Solar panel.



Dimensions

The Ergonomic dimensions of Ongas Nova floor standing condensing boilers are listed in the table

ONGAS NOVA DIMENSIONS							
	size mm						
	NOVA 09	NOVA 10	NOVA 11	NOVA 12	NOVA 13	NOVA 14	NOVA 15
A	1954	2056	2158	2260	2362	2464	2566
B	2234	2336	2438	2540	2642	2744	2846
C	Ø250	Ø250	Ø250	Ø315	Ø315	Ø315	Ø315
D	G 2"	G 2"	G 2"	G 2"	G 2"	G 2"	G 2"



Outside Sensor

It enables the boiler to operate according to the outside temperature. It is mandatory to use



Heat Sensor

It informs the control panel by measuring the temperature of the place where it is mounted. There are two types depending on the mounting location, either clamp type or immersion type.



Room Thermostat

It is a heat control device used to keep the ambient temperature at the set value and to provide temperature comfort. We recommend its use in small capacity boilers.



Cascade Module

It enables the boilers to communicate with each other and with the control panel. One order must be placed for each boiler in cascade system

Technical Table

Ongas Nova Floor standing Boilers

ONGAS NOVA		NOVA 09	NOVA 10	NOVA 11	NOVA 12	NOVA 13	NOVA 14	NOVA 15
Heat output (max) – Rated (80/60°C)	kW	936	1040	1130	1220	1315	1423	1544
Heat output (min) – (80/60°C)	kW	126	145	160	174	195	208	222
Heat output (max) – Rated (50/30°C)	kW	1000	1110	1205	1305	1400	1520	1650
Heat output (min) – (50/30°C)	kW	140	162	178	194	215	232	248
Calorific efficiency – Rated (80/60°C)	%	96,5	96,2	96,5	96,5	96,8	96,5	96,5
Calorific efficiency – Reduced (80/60°C)	%	96,7	96,6	96,7	96,7	96,8	96,7	96,7
Calorific efficiency – Rated (50/30°C)	%	103,1	103,1	103,1	103,1	103,0	103,1	103,1
Calorific efficiency – Reduced (50/30°C)	%	108,0	108,1	108,0	108,0	107,9	108,0	108,0
Calorific efficiency – Partial (37/30°C)	%	108,6	108,7	108,6	108,6	108,4	108,6	108,6
Nox class		6						
Max. central heating temperature	°C	80						
Operating pressure (min – max)	bar	0,8 - 6,0						
Water inlet (return) & outlet (flow)		DN125						
Gas inlet		2"					2 1/2"	
Flue gas temperature – Rated (80/60°C)	°C	79,5	85,2	79,5	79,5	77,8	79,5	79,5
Flue gas temperature – Reduced (80/60°C)	°C	58,2	58,4	58,2	58,2	58,1	58,2	58,2
Flue gas temperature – Rated (50/30°C)	°C	51,3	48,6	52,4	53,1	56,1	52,3	52,5
Flue gas temperature – Reduced (50/30°C)	°C	30,7	30,7	30,7	30,7	30,7	30,7	30,7
Power supply		~400V / 50Hz						
Power consumption	W	2000	2200	2500	2700	3200	3400	3800
Protection level	IP	IPX4D						



- The pH level of the system water in which condensing boilers will be operated must be in the range of 7-8.5 and the hardness in the range of 4-8 dH.
- Iron, lime, mud, sediment, burr, etc. should be removed from the installation in order not to damage the boilers and the system. All items must be cleaned