ONGAS MEGA

FLOOR STANDING CONDENSING BOILER

rima

www.rima.com.tr

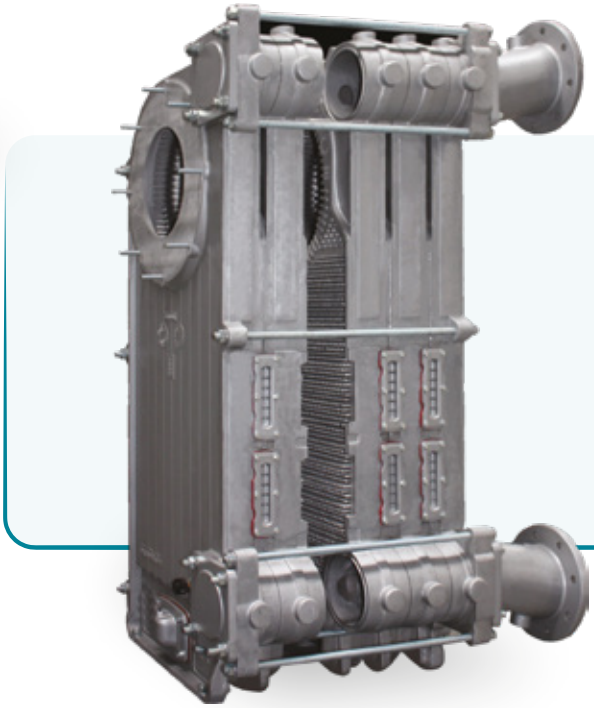
830-3250kW

REDUCE YOUR CARBON FOOTPRINT

FEATURES

Ongas Mega offers a wide range of heating options from 830 kW to 3250 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 Al

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.

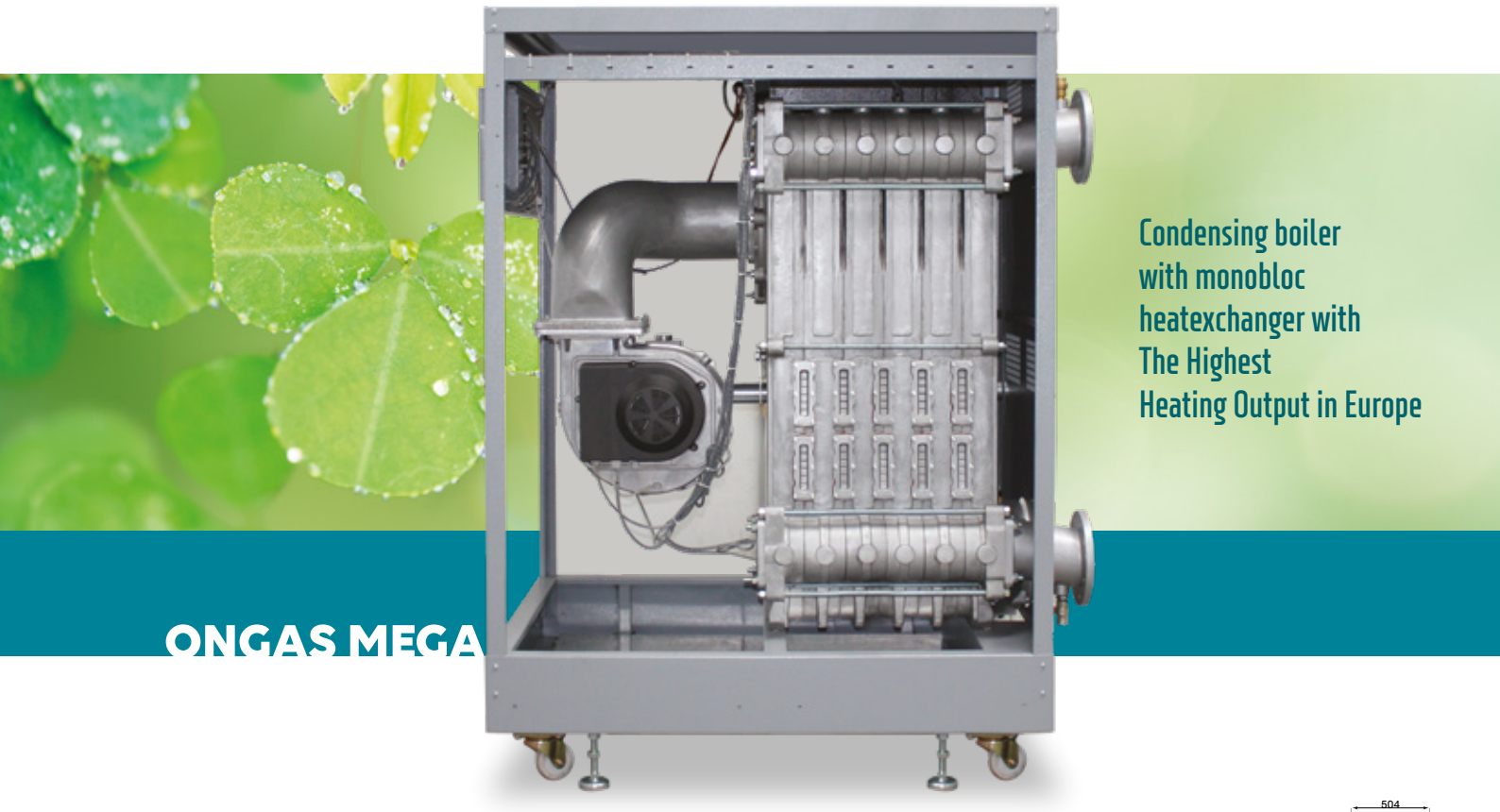
Large Modulation Range: 1: 7 ratio modulation ratio works according to the need and provides high gas saving.

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.

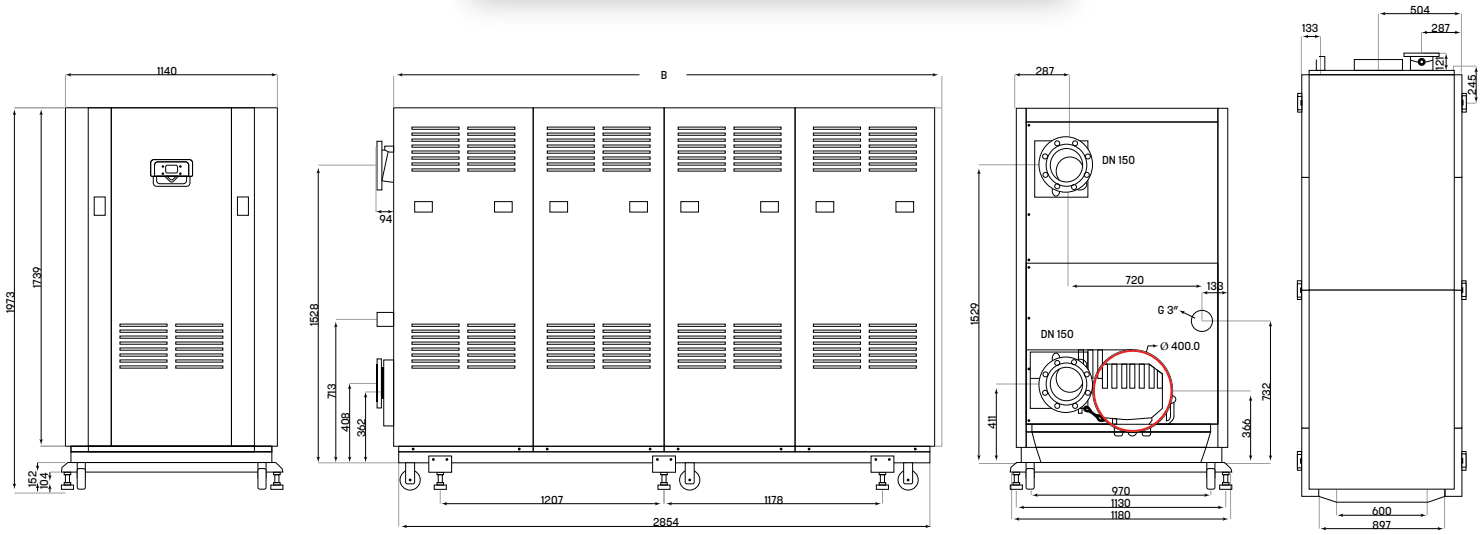
Use with Natural Gas: Gas inlet pressure of boilers 21 mbar

CE



ONGAS MEGA

Condensing boiler
with monobloc
heatexchanger with
The Highest
Heating Output in Europe



Dimensions

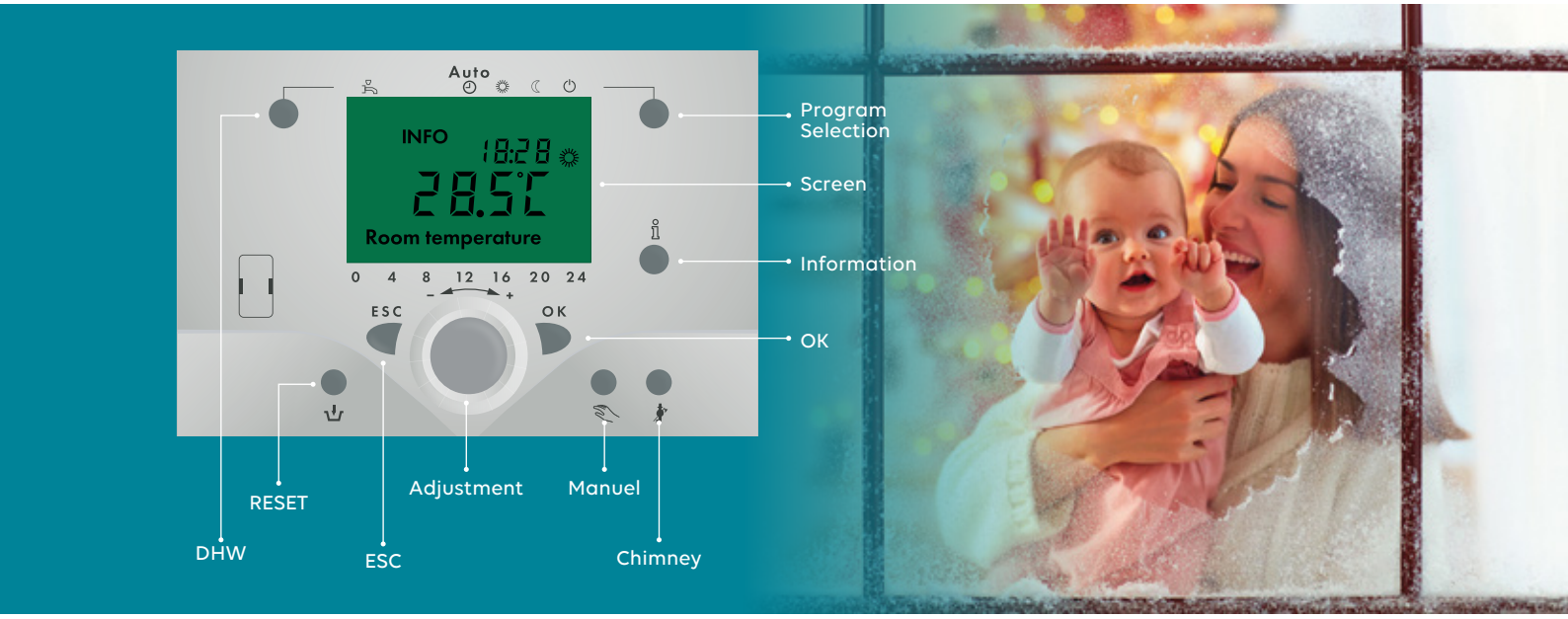
The Ergonomic dimensions of Ongas Mega floor standing condensing boilers are listed in the table

ONGAS MEGA DIMENSIONS — size mm

	MEGA 05	MEGA 06	MEGA 07	MEGA 08	MEGA 09	MEGA 10	MEGA 11
B	1425	1553	1656	1760	2329	2433	2537
	MEGA 12	MEGA 13	MEGA 14	MEGA 15	MEGA 16	MEGA 17	
B	2641	2745	2849	2954	2964	3068	

- 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

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.

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 Mega Floor standing Boilers

ONGAS MEGA		MEGA 05	MEGA 06	MEGA 07	MEGA 08	MEGA 09	MEGA 10	MEGA 11	MEGA 12	MEGA 13	MEGA 14	MEGA 15	MEGA 16	MEGA 17
Max. heat output (80/60°C)	kW	778	970	1170	1360	1560	1700	1850	1990	2140	2380	2620	2800	2995
Max. heat output (50/30°C)	kW	830	1050	1260	1460	1680	1830	1990	2150	2340	2565	2820	3040	3230
Efficiency at max. load (80/60°C)	%	97,3	97,2	97,2	97,2	97,2	97,2	97,2	97,2	97,7	97,2	97,2	97,2	96,6
Efficiency at min. load (80/60°C)	%	96,2	96,9	96,9	96,8	96,9	96,9	96,9	96,4	97	96,3	96,3	96,3	96,1
Efficiency at max. load (50/30°C)	%	96	96,3	96,3	96,2	96,3	96,3	96,3	104,7	106,3	104,7	104,7	104,7	104,1
Efficiency at min. load (50/30°C)	%	107,4	107,4	107,4	107	107,4	107,4	107,4	107,4	108,2	107,4	107,4	107,4	107,1
NOx Class		6												
Maximum heating mode setting temperature	°C	80												
Maximum domestic water setting temperature	°C	65												
Water pressure (min – max)	bar	1-6												
Water inlet-outlet diameters		DN 125										DN 150		
Gas inlet		2"									2,5"		3"	
Flue gas outlet (Ø)		200	200	250	250	250	315	315	315	315	315	400	400	400
Flue application		B23												
Flue gas temperature max (80/60°C)		68,3	68,7	68,7	69,9	68,7	68,7	68,7	68,7	67,9	68,7	68,7	68,7	68,7
Flue gas temperature min (80/60°C)		59	57,7	57,7	56,4	57,7	57,7	57,7	57,7	57,8	57,6	57,7	57,7	57,7
Flue gas temperature max (50/30°C)		45,2	44,1	44,1	44,2	44,1	44,1	44,1	44,1	42,9	44,1	44,1	44,1	44,1
Flue gas temperature min (50/30°C)		30,6	30,2	30,2	30	30,2	30,2	30,2	30,2	30	30,2	30,2	30,2	30,2

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

Rima Isı Sistemleri San. A.Ş.
İkitelli OSB Mah. 25. Cad. No:10
Başakşehir 34306, İstanbul

Tel: +90 212 485 48 74
www.**rima**.com.tr
www.**onmetal**.com.tr
/rimaisisistemleri

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