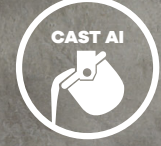


ONGAS
COMPACT
Combi Boiler




rima

www.rima.com.tr



General Features

General Features

Comfortable – With its 24 kW heating capacity and 28 kW domestic water capacities, it provides a comfortable solution for houses with high square meters. Even when two taps are opened in the house, there is no fluctuation in hot water.

Efficient – Class-A heating efficiency according to the ErP regulation. It also has Class-A efficiency in XL flow profile of DHW.

Economical – Thanks to the high heat transfer of the aluminum-silicon exchanger, as well as low natural gas consumption with a modulation rate up to 1/7; Low electricity consumption is ensured by the use of high efficient pumps.

Quiet – It does not cause disturbance in living areas with its sound level down to 52 dB.

Environmentally friendly – Complies with ErP regulation. Low emission and flue gas temperature values are provided.

Design

Design

- ✓ **Compact** – Thanks to the dimensions and light weight of the aluminum-silicon heat exchanger, ONGAS Compact 24-28 kW condensing combi boiler takes up little space and provides convenient installation opportunities with its compact design.
- ✓ **LPG usage option** – provides both natural gas and LPG usage options.
- ✓ **Room thermostat option** – With smart room thermostats, it modulates according to the heat demand of the house and provides more economical use. There are also options to connect an outdoor sensor and a timer.
- ✓ **Solar panel option** – It has the feature of working in compliance with the solar panel application.
- ✓ With the internal **by-pass** feature, the plate heat exchanger for DHW always stays hot during heating, providing fast hot water comfort.
- ✓ **Easy to use** – It has a functional, ergonomic control panel that the user can easily use.
- ✓ **Easy maintenance-service** – Thanks to its compact design, the front cover can be opened and it can be accessed only from the front, providing service even in narrow spaces.

Safety

Safety

- ✓ Automatic venting function – At the first start-up of the boiler or in case of any overheating error, the pump is turned on and off for certain periods and the air in the system is evacuated from the air vent on the pump.
- ✓ Frost protection in both for heating and domestic hot water circuits
- ✓ Pump overtime periods that prevent thermal accumulation in the installation
- ✓ Overheating safety for heating water, domestic hot water and flue gas temperatures
- ✓ Low water pressure safety
- ✓ Domestic hot water flow rate control is available. Maximum 16 l/min flow limiter





Display

- 1 Domestic water temperature increase button
- 2 Domestic water temperature decrease button
- 3 "Stand-by" button, Press the button once to put the device in operation
- 4 Heating circuit temperature increase button
- 5 Heating circuit temperature decrease button
- 6 Operating mode selection button, mode can be changed to winter mode or summer mode by pressing once
- 7 Reset button, in case of permanent error, it is pressed once after the problem is solved and the device is removed from the error state



Chimney Applications

Coaxial chimney types

Ø60/100 maximum distance of L horizontal: 10 meters

Ø60/100 maximum distance of L vertical: 10 meters

Optional Control Accessories

Optional Control Accessories

The comfort of your living spaces is at your fingertips! With the Smart Thermostat, you can adjust the temperature of your home whenever you want and save up to 30% of energy.



Smart Thermostat

At home, at work or on the way, you can easily control the temperature of your home remotely with the application on your mobile phone (Compatible with IOS and Android devices).



Smart Thermostat Modulating (with OpenTherm connection)



Room Thermostat Modulating (Standart one)



Digital Room Thermostat (with time programming)



ON/OFF Room Thermostat



Smart Thermostat (with Modulating option) Compatible with IOS and Android devices

Product Type

Ongas Compact 24 kW

Efficiency and performance		G20	G31
Gas categories		I2H, I2E, I3P, I12H3P	
Heat input (max)	kW	23,4	
Heat input (min)	kW	3,5	
Heat output (max) – (80/60°C)	kW	22,9	
Heat output (min) – (80/60°C)	kW	3,4	
Heat output (max) – (50/30°C)	kW	24,0	22,6
Heat output (min) – (50/30°C)	kW	3,6	
Calorific efficiency – Rated (80/60°C)	%	96,65	96,76
Calorific efficiency – Partial (37/30°C)	%	107,09	105,25
Gas inlet pressure (G20-G31)	mbar	20	37
Gas consumption (max)	m ³ /h	2,44	0,92
Gas consumption (min)	m ³ /h	0,39	0,145
Nox class		6	
Operation temperature range for heating	°C	20-80	
Operation temperature range for DHW	°C	30-65	
Safety limit temperature	°C	95	
Limit temperature for flue thermostat	°C	85	
Volume of expansion vessel	lt	8	
Operating pressure range	bar	0,5-3,0	
Water and gas fittings			
Water inlet (return) & outlet (flow) for heating		3/4"	
Gas inlet		3/4"	
Coaxial flue gas diameter (Ø)	mm	60/100	
Domestic Hot Water			
Heat input max DHW	kW	27,5	
DHW Flow rate ΔT=35 °C	l/min	11,3	
DHW Flow rate ΔT=30 °C (Specific) "D"	l/min	13,1	
DHW Flow rate ΔT=25 °C	l/min	15,8	
Minimum DHW Flow rate	l/min	1,5	
Inlet water rate limiter	l/min	16,0	
Operating DHW pressure range	bar	0,5-10	

Product Type

Ongas Compact 24 kW


Electrical

Power supply		230 VAC-50 Hz
Power consumption	W	68
Protection level	IP	IPX4D

General

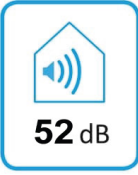


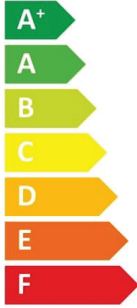



Dimensions (Width x Height x Length)	mm	425 x 740 x 335	
Sound level	dB (A)	52	
Net weight	kg	33,2	
Gross weight	kg	35,1	
Energy efficiency class		A	
Seasonal space heating energy efficiency	%	91,39	90,88






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rima ONGAS Compact 24-28 kW



52 dB

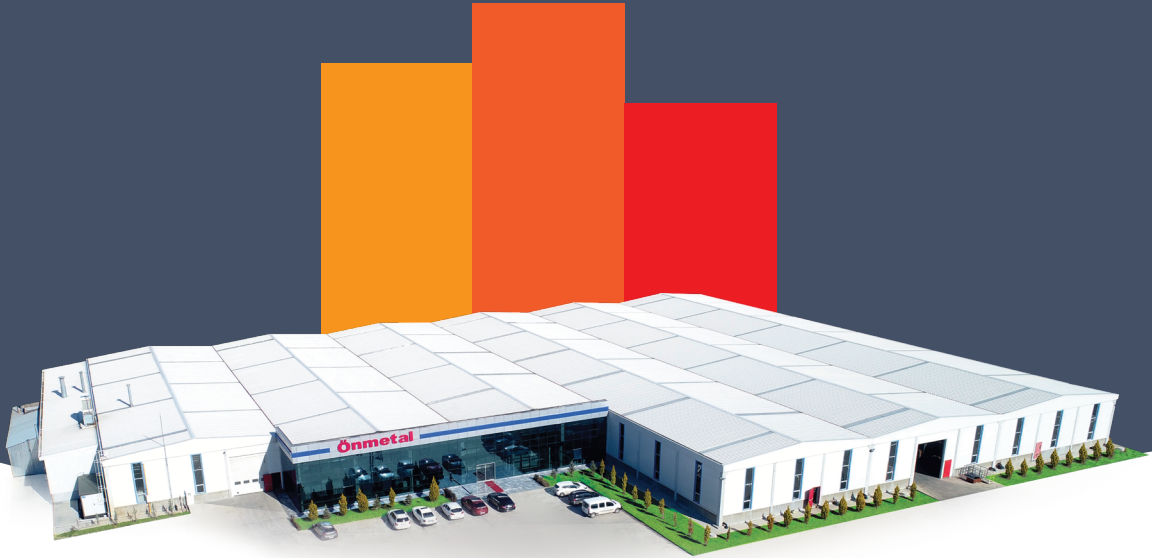


24 kW

2022 811/2013

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.



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