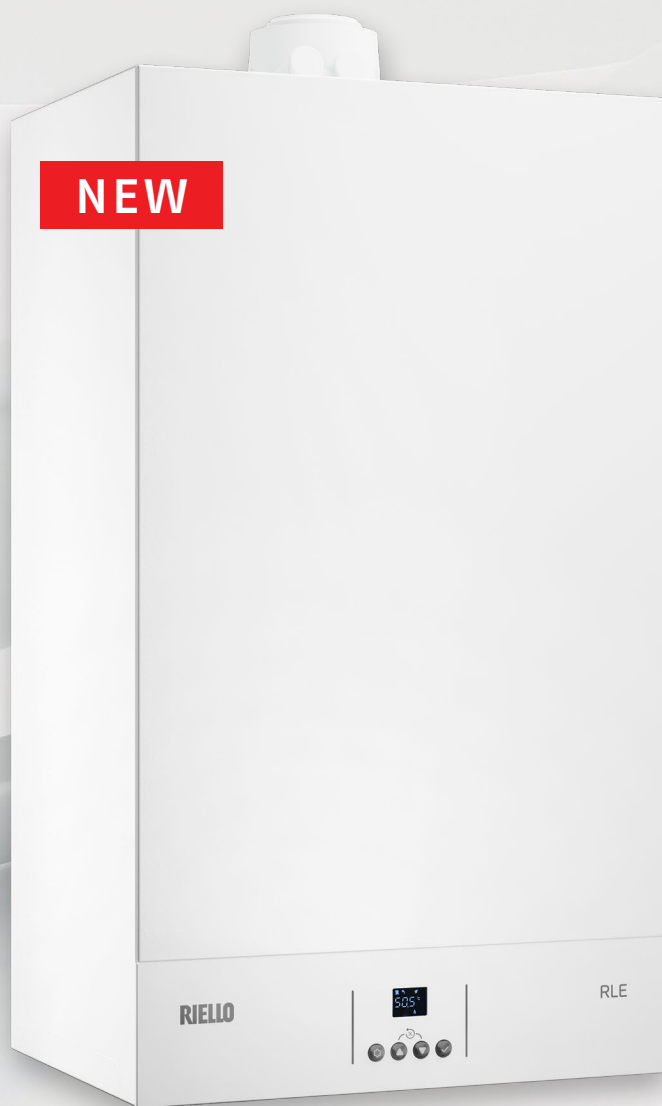


RLE

Wall-hung condensing boilers

NEW



A Carrier Company

RIELLO
Energy For Life

www.riello.com

RLE

Riello's new RLE wall-hung boiler range offers a cost-effective solution for **everyday comfort** while prioritizing **efficiency, innovation, user-friendliness** and **environmental protection**.

RLE features a **robust proprietary** stainless steel heat exchanger that offers **durability, efficiency** and it is made with **high-quality materials**.

It delivers **excellent domestic hot water comfort** with **low running costs** and **operates quietly**, making it a much appreciated choice for homeowners.

Its **modern digital control panel**, equipped with four buttons, allows for **easy setting** of the main functions, and **communicates intuitively** with users through icons on a backlit display.

With its **compact design**, RLE fits seamlessly into **any home décor**, making installation and maintenance straightforward.

Additionally, RLE is **designed for the future**, capable of running on blends of **natural gas** and **hydrogen up to 20%**, contributing to **reduced environmental impact** and emissions of condensing boilers in the years to come.



STAINLESS STEEL HEAT EXCHANGER

High quality materials and robustness



HIGH DHW COMFORT

No temperature fluctuations, for optimal comfort during withdrawals



HIGH EFFICIENCY

Maximum comfort and low consumption thanks to the modulation ratio 5:1 with pre-mix combustion



LOW NOISE OPERATION

Designed to work in very quiet operation conditions



DIGITAL INTERFACE

Easy setting of the main functions and intuitive icons



COMPACT SIZE

It perfectly fits into all kinds of ambiances



RIELLO



THE RANGE

The RLE range consists of two models, covering the main residential home comfort needs for heating and domestic hot water production:

- **RLE 25 KIS** (combi model)
natural gas
- **RLE 28 KIS** (combi model)
natural gas



FOR A
SUSTAINABLE FUTURE










Operation
with blends
of natural gas
and hydrogen
up to 20%

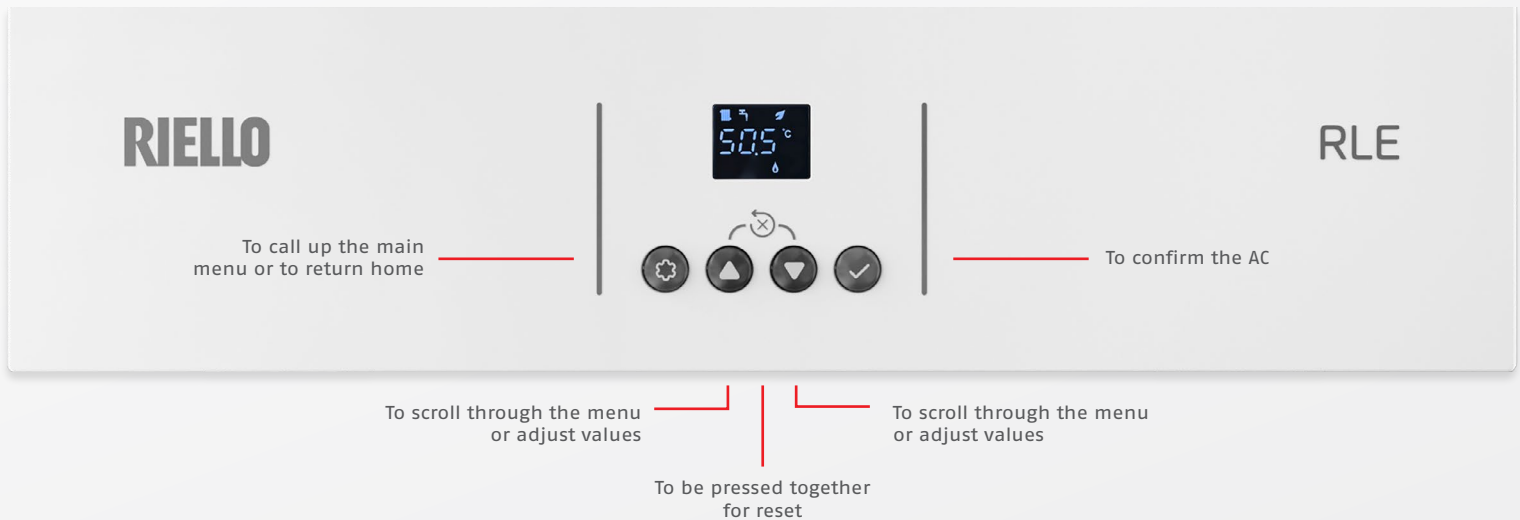
SIMPLE AND INTUITIVE CONTROL PANEL

RLE stands out for its minimalist design, showcased by its new control panel with a white backlit digital display. Using the four buttons on the control panel, you can easily adjust the

heating and DHW temperature, as well as set all the main boiler functions. The intuitive icons on the display ensure immediate understanding of the displayed functions.

COMMUNICATION THROUGH ICONS

	DHW temperature		pump function error		heating circuit
	pre-heating function		fault display active		service menu active
	burner status active		outside temperature status active		connection to remote devices (OT)



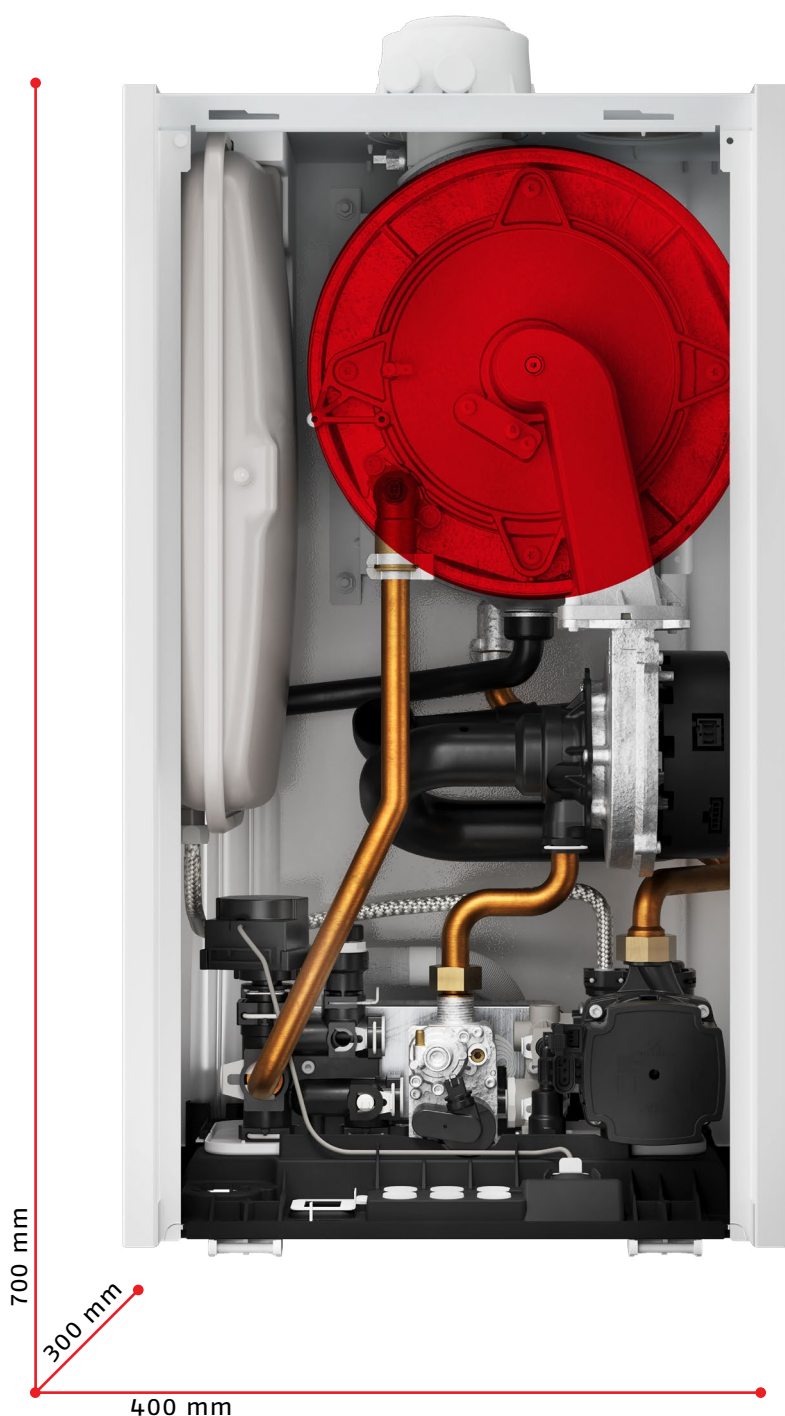
COMPATIBLE WITH Hi, Comfort T100

RLE is compatible with the **Hi, Comfort T100**, which is available as an accessory. The T100 can function as a standard thermostat or operate in smart mode via the **Hi, Comfort App** when connected to the Hi, Comfort G100-W Wi-Fi Box. The app, available for free on both Android and iOS devices, allows users to remotely monitor the system, control hot water temperature, and adjust boiler settings easily and securely. Installing the Hi, Comfort T100 is quick and straightforward, with no need for electrical modifications when replacing an existing thermostat.



QUALITY AND TECHNOLOGY

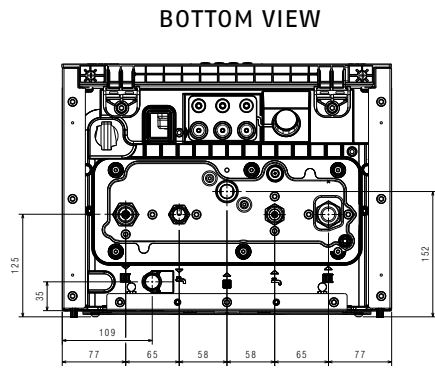
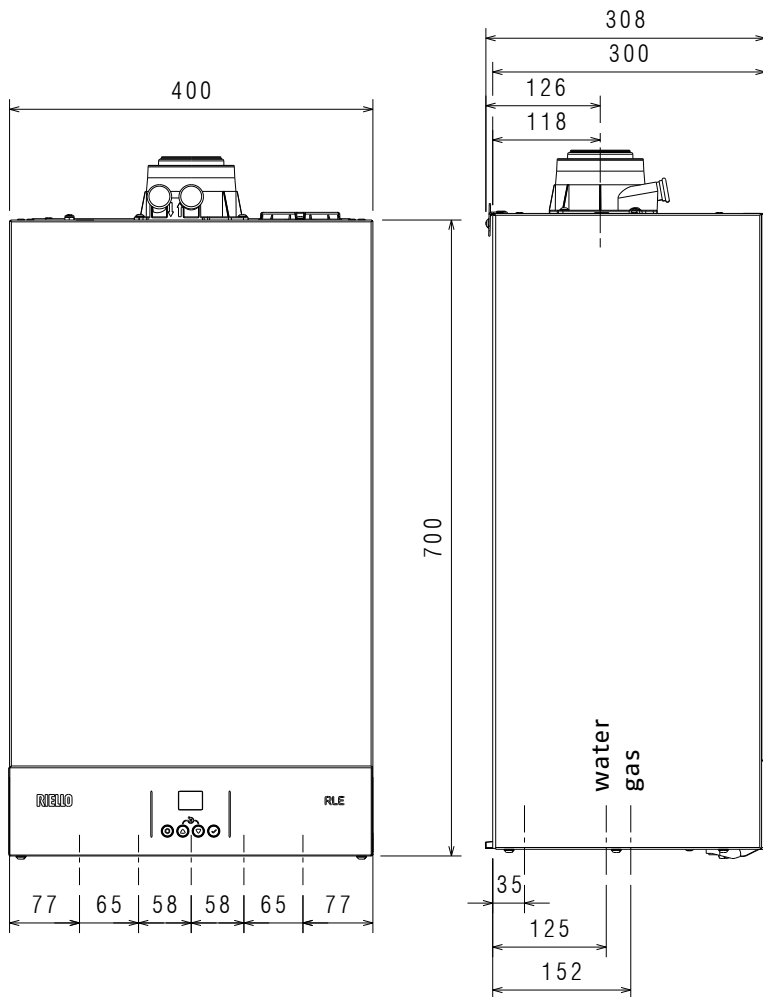
- **Wide modulation ratio 5:1** with premix combustion
- Low NOx class 6 (en 15502)
- Built-in thermoregulation with external probe available as an accessory
- Range rated certification to adapt the power of the boiler to the real thermal requirements of the system
- **High DHW comfort** ★★★
- **8 litres expansion vessel**
- **Low energy circulator** (EEI ≤ 0,20) with 6 m head
- **New hydraulic group with din type connections** sequence for easy replacement
- **Analog manometer** as standard
- **New flue gas flange** with integrated flue gas analysis sockets
- Compatible with the **Hi, Comfort T100** thermostat in ON-OFF or OT-BUS mode and SMART mode (if paired with the Hi, Comfort G100-W Wi-Fi Box).



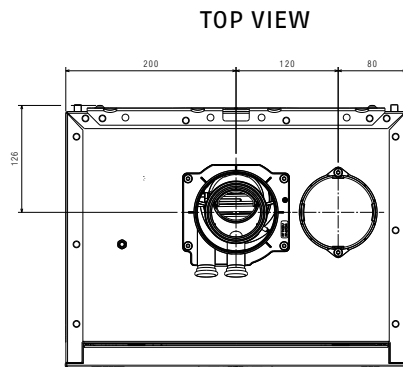
THE NEW PRIMARY HEAT EXCHANGER IN STAINLESS STEEL 441 IS COMPACT AND ROBUST, WITH FRONT ACCESS AND HIGH RESISTANT TO CORROSION. IT IS MADE OF A COILED TUBE WITH WIDE SECTION, ALLOWING CLEANLINESS OVER TIME.



TECHNICAL DRAWINGS

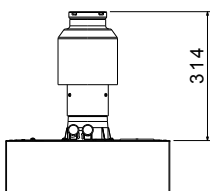


F O G I R
DIN HYDRAULIC CONNECTIONS

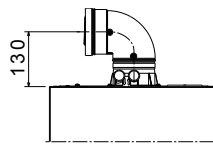


- I DCW INLET
- O DHW OUTLET
- R RETURN
- G GAS
- F FLOW

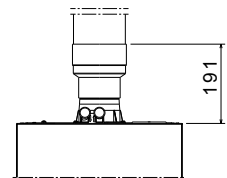
FLUE OPTIONS



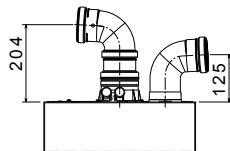
FLUE TYPE
B23P-B53P



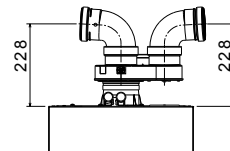
CONCENTRIC FLUE
Ø60-100



VERTICAL CONCENTRIC FLUE
Ø60-100



TWIN FLUE
Ø80+80



TWIN FLUE Ø80+80
WITH ADAPTER

TECHNICAL FEATURES RLE

ENERGY LABELLING SPECIFICATIONS (according to ErP regulations)			25 KIS	28 KIS
Seasonal space heating energy efficiency class	range	D → A+++ ⁽¹⁾	A	A
Water heating energy efficiency class	range	F → A+ ⁽¹⁾	A	A
Rated heat output	pnominal	kW	19	23
Seasonal space heating energy efficiency	ηs	%	92	92
USEFUL HEAT OUTPUT				
At rated heat output, high-temperature regime (*)	P4	kW	19,3	22,8
At 30% of rated heat output and low-temperature regime (**)	P1	kW	6,4	7,6
USEFUL EFFICIENCY				
At rated heat output and high-temperature regime (*)	η4	%	87,1	87,3
At 30% of rated heat output and low-temperature regime (**)	η1	%	93,5	96,7
AUXILIARY ELECTRICITY CONSUMPTION				
At full load	elmax	W	17	18
At part load	elmin	W	11	12
In Stand-by mode	PSB	W	1,56	2,8
OTHER PARAMETERS				
Stand-by heat losses	Pstby	W	56,2	54,7
Annual energy consumption	QHHE	GJ	38	42,7
Sound power level, indoors	LWA	dB	48	51
NOx emissions	NOx	mg/kWh	36,75	45,1
FOR COMBINATION HEATERS				
Declared load profile			XL	XL
Water heating energy efficiency	ηwh	%	85	84
Daily electricity consumption	Qelec	kWh	0,218	0,216
Daily fuel consumption	Qfuel	kWh	22,8	23,1
Annual electricity consumption	AEC	kWh	48	47
Annual fuel consumption	AFC	GJ	17	17
OTHER SPECIFICATIONS				
CH Heat INPUT (max-min)		kW	20,0 - 4,7	23,6 - 4,7
DHW heat nominal INPUT (max-min)		kW	25,0 - 4,7	29,1 - 4,7
Power supply voltage		V-Hz	230-50	230-50
Degree of protection		IP	IPX4D	IPX4D
NOx class			6	6
CH				
Max pressure-temperature		bar-°C	3-91	3-91
Pump: max available head (flow rate 1000 l/h)		mbar	246	246
Membrane expansion tank		l	8	8
DHW				
Pressione max	bar	8	8	-
Produzione ACS a ΔT= 25°C / 30°C / 35°C	l/min	14,3 / 11,9 / 10,2	17,2 / 14,3 / 12,3	-
Portata ACS minima	l/min	2	2	-
GAS CONNECTIONS				
Inlet gas pressure (G20)		mbar	20	20
CH Flow - Return / Gas inlet		∅	3/4"	3/4"
DHW Inlet - Outlet / DHW tank Flow - Return		∅	1/2"	1/2"
DIMENSIONS, WEIGHT				
Boiler dimensions (HxWxD)		mm	700x400x300	700x400x300
Net weight		kg	31	31
FLUE PIPES AND AIR INTAKE				
Max length for concentric flue (∅60-100mm)		m	9	9
Max length for twin flue (∅80+80 mm)		m	25 + 25	25 + 25

⁽¹⁾ The energy efficiency class of these products ranges from D up to A+++ in heating, and from F up to A+ in DHW.

* High-temperature regime means: 60°C Return and 80°C Flow of the boiler.

** Low temperature means for condensing boilers 30°C, for low-temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet).

RIELLO

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RLE



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