

**NEW**



**WALL-HUNG CONDENSING BOILERS**  
with DHW tank and stainless steel heat exchanger

# MYNUTE BOILER X

 **Beretta**



**MYNUTE BOILER X 25B** is fuelled by natural gas. The conversion kit is available for propane or propane air and for LPG.



**30L STAINLESS  
STEEL BI-TANK**



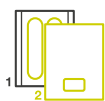
**STAINLESS STEEL  
HEAT EXCHANGER**



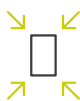
**HOT WATER  
AT STABLE  
TEMPERATURE**



**LOW NOX  
EMISSIONS  
(CLASS 6)**



**EASY  
INSTALLATION  
IN TWO STEPS**



**COMPACT  
DIMENSIONS**



**SIMPLIFIED  
MAINTENANCE WITH  
FRONT ACCESS**

# MYNUTE BOILER X

## LOTS OF HOT WATER, IMMEDIATELY AVAILABLE

BERETTA PRESENTS MYNUTE BOILER X 25B, THE CONDENSING BOILER EQUIPPED WITH 30-LITRE DHW BI-TANK, TO OFFER EFFICIENCY AND ENERGY SAVINGS.

Compared to previous Beretta ranges with DHW tank, MYNUTE BOILER X is **more compact and efficient**. Instead of a single boiler, the boiler features a **30-litre DHW bi-tank** which, in addition to saving space thanks to the new layout, is more efficient in DHW producing.

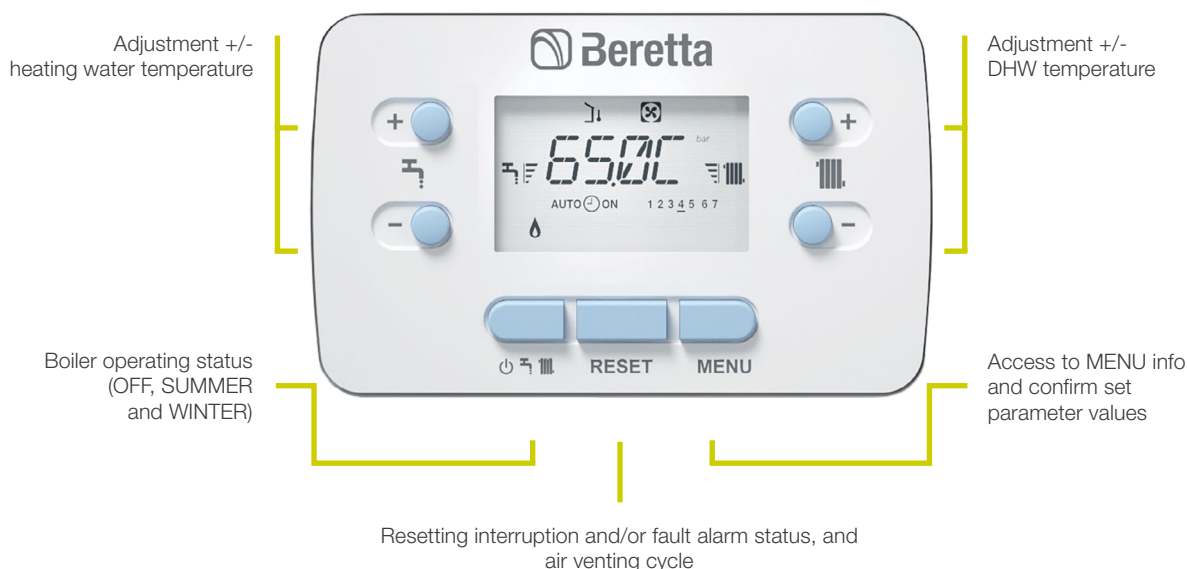
MYNUTE BOILER X offers **uncompromising comfort even in the heating profile**, being equipped with an efficient pneumatic combustion stainless steel exchanger, in addition to the **wide 1:8 modulation**. The boiler, in addition to the very low NOx emissions, which today place it in class 6

according to European standards, was created with an eye to the future, being already **suitable to operate with blends of natural gas and hydrogen up to 20%**, thus contributing to further reducing the environmental impact of condensing boilers in the coming years.

**Ease of use** is combined with **a pleasant and essential aesthetic**, in line with the new generation Beretta boilers, which allows the product to be easily integrated into different residential contexts.



## MODERN DIGITAL AND INTUITIVE INTERFACE



## INNOVATION AND EFFICIENCY

MYNUTE BOILER X consists of a system, composed of the boiler and the DHW BI-TANK, which is distinguished by the **Easy**

installation in **TWO STEPS**: mounting the DHW tank on the wall and mounting the boiler on the DHW tank.

### STEP 1: MOUNTING THE DHW TANK ON THE WALL



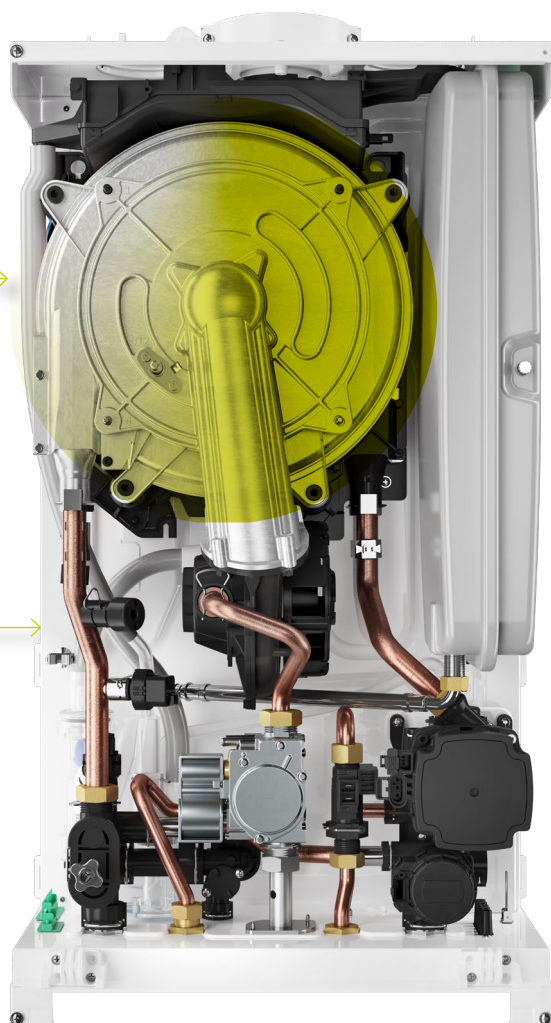
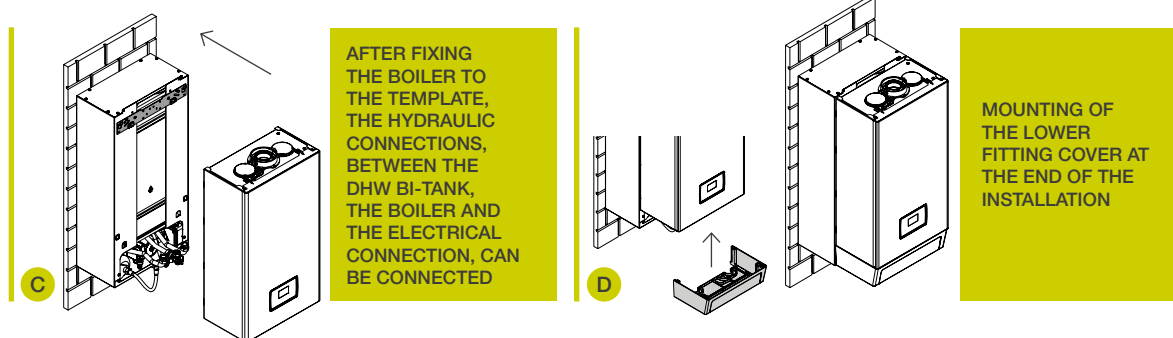
- › **NEW 30 L DHW BI-TANK WITH ADVANCED ELECTRONICS;**
- › THE DHW BI-TANK (ALSO CALLED DOSSERET), REACHES THE **SAME PERFORMANCE AS THE PREVIOUS 45-LITRE BERETTA MYNUTE BOILER GREEN MODEL**, WITH MORE COMPACT DIMENSIONS;
- › **POSSIBILITY TO MANAGE THE BOILER RECHARGE FREQUENCY OF THE DHW TANK THROUGH A PARAMETER IN THE ELECTRONICS:**
  - **COMFORT:** FOR HIGH FREQUENT FILLING CYCLES, IF WITHDRAWALS ARE FREQUENT OR THE WATER VOLUME REQUIREMENT IS HIGH;
  - **ECO:** FOR A REDUCED NUMBER OF BOILER FILLING CYCLES AND CONSEQUENTLY HIGHER ENERGY SAVINGS;
- › **EXPANSION VESSEL OF THE DHW TANK;**
- › **DHW BI-TANK IS SUPPLIED SEPARATELY FROM THE BOILER.**





**+ 25% HEAT INPUT \*** compared to the average of Beretta boilers with instantaneous production of domestic hot water.

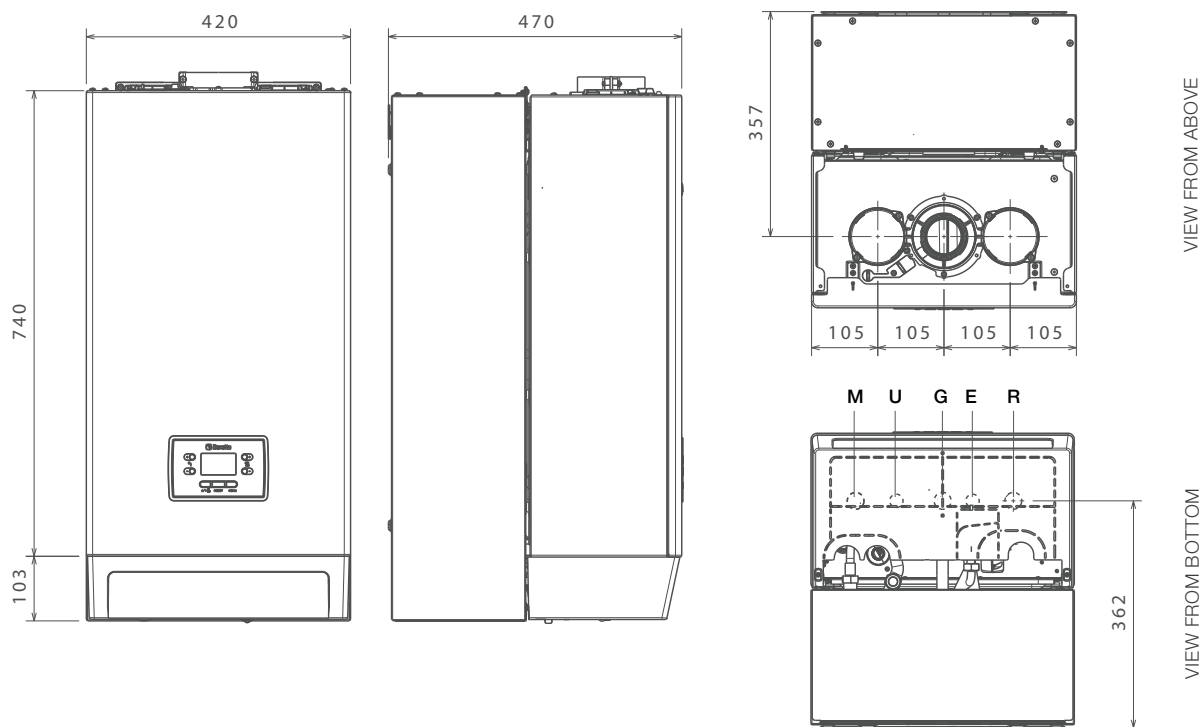
## STEP 2: BOILER MOUNTING



- › **NEW FLUE GAS FLANGE** WITH QUICK-TIGHTENING SAFETY COLLAR
- › **LOW NO<sub>x</sub> EMISSIONS:** CLASS 6 (UNI EN 15502)
- › **ENERGY EFFICIENCY:** 93%
- › **1:8 MODULATION**
- › **8 LITER EXPANSION VESSEL**
- › **LOW CONSUMPTION MODULATING CIRCULATOR** (EEI ≤ 0,20), WITH 6 METERS HEAD
- › **SILENT OPERATION**
- › **IPX5D ELECTRICAL PROTECTION DEGREE**
- › **HYDRAULIC GROUP WITH DIN CONNECTIONS**
- › **CAN BE MATCHED WITH HI, COMFORT T100 FOR REMOTE COMFORT MANAGEMENT**
- › **BOILER IS SUPPLIED SEPARATELY FROM THE DHW TANK**

\* Internal comparison with Beretta instantaneous combi boiler models with the same heat output.

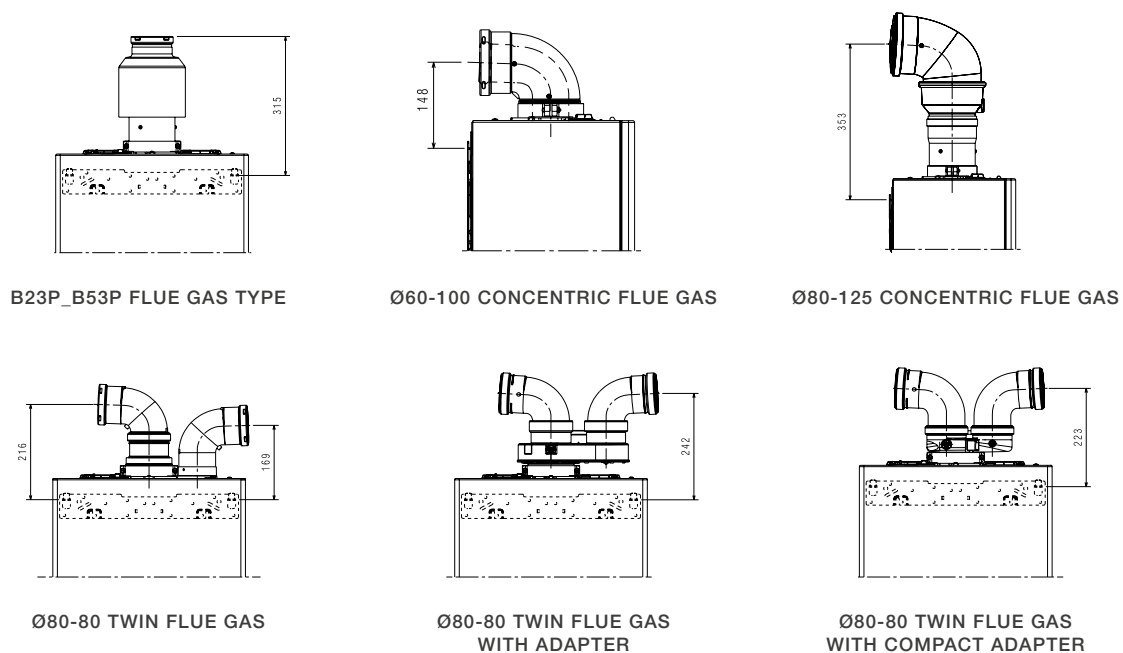
## TECHNICAL DRAWINGS



### DIN HYDRAULIC CONNECTIONS

**M** FLOW **U** DHW OUTLET **G** GAS **E** DCW INLET **R** RETURN

## FLUE GAS SYSTEM TYPES





## ENERGY LABEL SPECIFICATIONS (in accordance with the ErP Directive)

UoM

MYNUTE  
BOILER X 25B

Seasonal heating energy efficiency class		D → A+++ (*)	A
DHW Energy efficiency class		F → A+ (**)	A
Rated heat output according to ErP pnominal	pnominal	kW	19
Seasonal heating energy efficiency	ηs	%	93
<b>USEFUL HEAT OUTPUT</b>			
At nominal heat output and high temperature regime (***)	P4	kW	19,4
At 30% nominal heat output and at low temperature regime (****)	P1	kW	6,5
<b>USEFUL EFFICIENCY</b>			
At nominal heat output and high temperature regime (***)	η4	%	87,3
At 30% nominal heat output and at low temperature regime (****)	η1	%	98,5
<b>AUXILIARY ELECTRICITY CONSUMPTION</b>			
At full load	elmax	W	32
At partial load	elmin	W	12
In stand-by mode	PSB	W	3
<b>OTHER PARAMETERS</b>			
Heat losses in stand-by mode	Pstby	W	30
Annual energy consumption	QHE	GJ	42
Sound power level, indoors	LWA	dB	50
NOx emissions	NOx	mg/kWh	22
<b>FOR COMBI BOILERS - BOILER WITH DOSSERET</b>			
Declared load profile			XL
Energy efficiency of DHW	ηwh	%	80
Daily electricity consumption	Qelec	kWh	0,286
Daily fuel consumption	Qfuel	kWh	24,268
Annual electricity consumption	AEC	kWh	63
Annual fuel consumption	DCW	GJ	18
<b>OTHER TECHNICAL SPECIFICATIONS</b>			
CH heat INPUT (max-min)		kW	20 - 3,10
DHW heat INPUT (max-min)		kW	25 - 3,10
Power supply voltage-Frequency		V-Hz	230-50
Degree of protection		IP	IPX5D
NOx class			6
<b>CH</b>			
Pressure - max temperature		bar - °C	3 - 90
Pump: maximum available head (at a flow rate of 1000 l/h)		mbar	340
Membrane expansion vessel		l	8
<b>DHW</b>			
Max pressure		bar	8
DHW production at ΔT= 25°C / 30°C / 35°C		l/min	14,3/11,9/10,2
Minimum DHW flow rate		l/min	2
<b>GAS, HYDRAULIC CONNECTIONS</b>			
Gas pressure rating (G20-G31)		mbar	20 - 37
Heating inlet-outlet/Gas inlet		Ø	3/4"
Domestic water inlet-outlet/Boiler flow-return		Ø	1/2"
<b>WEIGHT</b>			
Net weight of boiler		kg	31
Net weight of the tank		kg	18,6
<b>FLUE GAS PIPES AND AIR INTAKE</b>			
Max length for concentric flues (Ø60-100 mm)		m	5,85
Max length for twin flues (Ø80-80 mm)		m	52+52 (A) (B)

## VALUES RELATING TO DOMESTIC HOT WATER PERFORMANCE WITH DHW TANK IN CASE OF DOSSERET KIT INSTALLATION

DHW tank type	Ø	Stainless steel
DHW tank layout	Ø	Vertical
Heat exchanger layout	Ø	External plates
Vnom, actual DHW content	l	31
Domestic hot water temperature selection field	°C	37-60
Quantity of water withdrawal in 10' with minimum ΔT 30°C	l	145
Maximum operating pressure of the boiler	bar	10
Vbu, non-solar storage volume	l	31
Specific flow rate according to EN13203-1	l/min	14,5

(\*) The energy efficiency class range of this product category is between D and A+++

(\*\*) The energy efficiency class range of this product category is between F and A+

(\*\*\*) High temperature regime: 60°C in return and 80°C in flow of the boiler.

(\*\*\*\*) Low temperature regime: for condensing boilers 30°C, for low temperature boilers 37°C, for other heating appliances 50°C return temperature.

(A) With standard twin system or with adapter

(B) Up to 33+33 with compact twin system



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