

NEW



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

MYNUTE BOILER X

A Carrier Company



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**



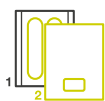
**STAINLESS STEEL
HEAT EXCHANGER**



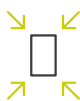
**HOT WATER
AT STABLE
TEMPERATURE**



**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.

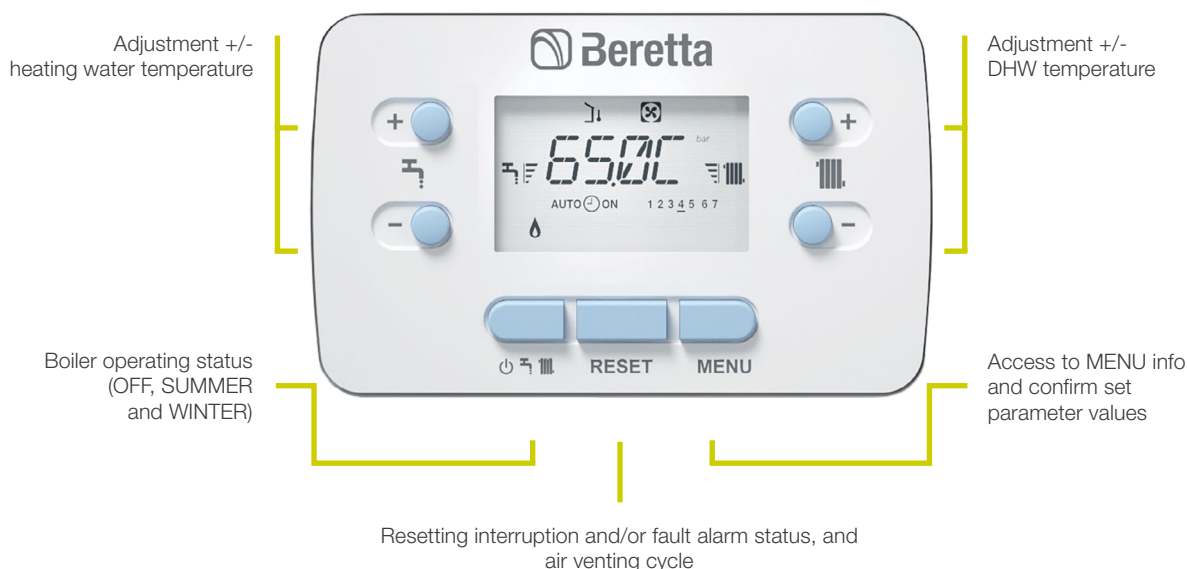
MYNUTE BOILER X offers **uncompromising comfort even in the heating profile**, being equipped with an efficient pneumatic combustion stainless steel exchanger, in addition to the **wide 1:8 modulation**. The boiler, in addition to the very low NOx emissions, which today place it in class 6

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

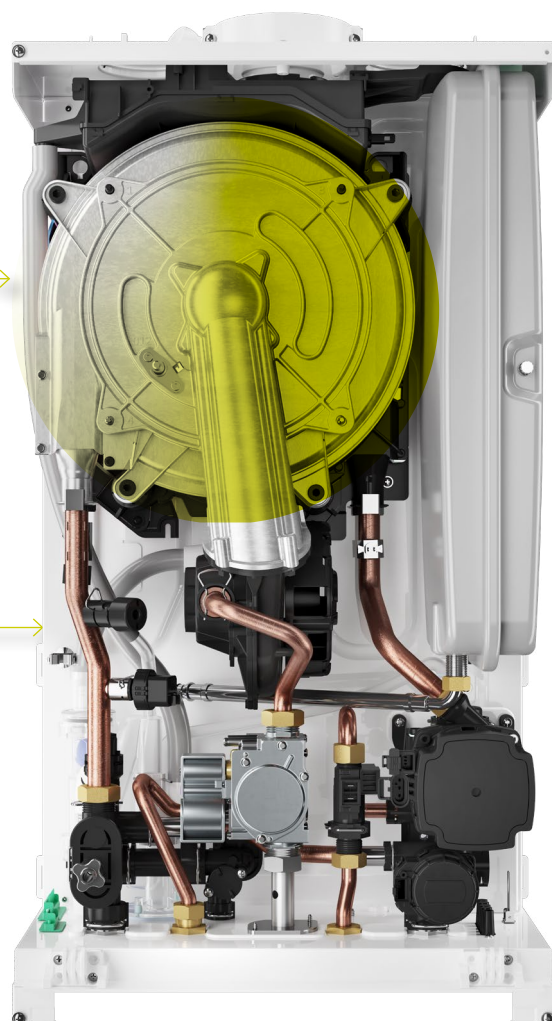
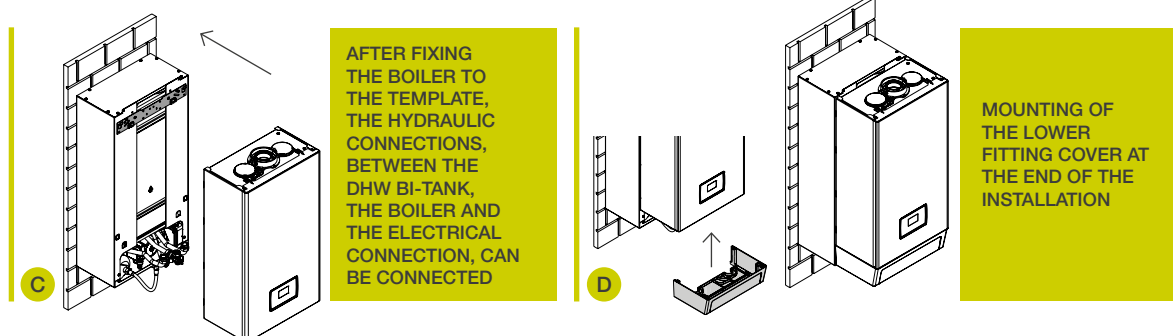


- › **NEW 30 L DHW BI-TANK WITH ADVANCED ELECTRONICS;**
- › THE DHW BI-TANK (ALSO CALLED DOSSERET), REACHES THE **SAME PERFORMANCE AS THE PREVIOUS 45-LITRE BERETTA MYNUTE BOILER GREEN MODEL**, WITH MORE COMPACT DIMENSIONS;
- › **POSSIBILITY TO MANAGE THE BOILER RECHARGE FREQUENCY OF THE DHW TANK THROUGH 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.

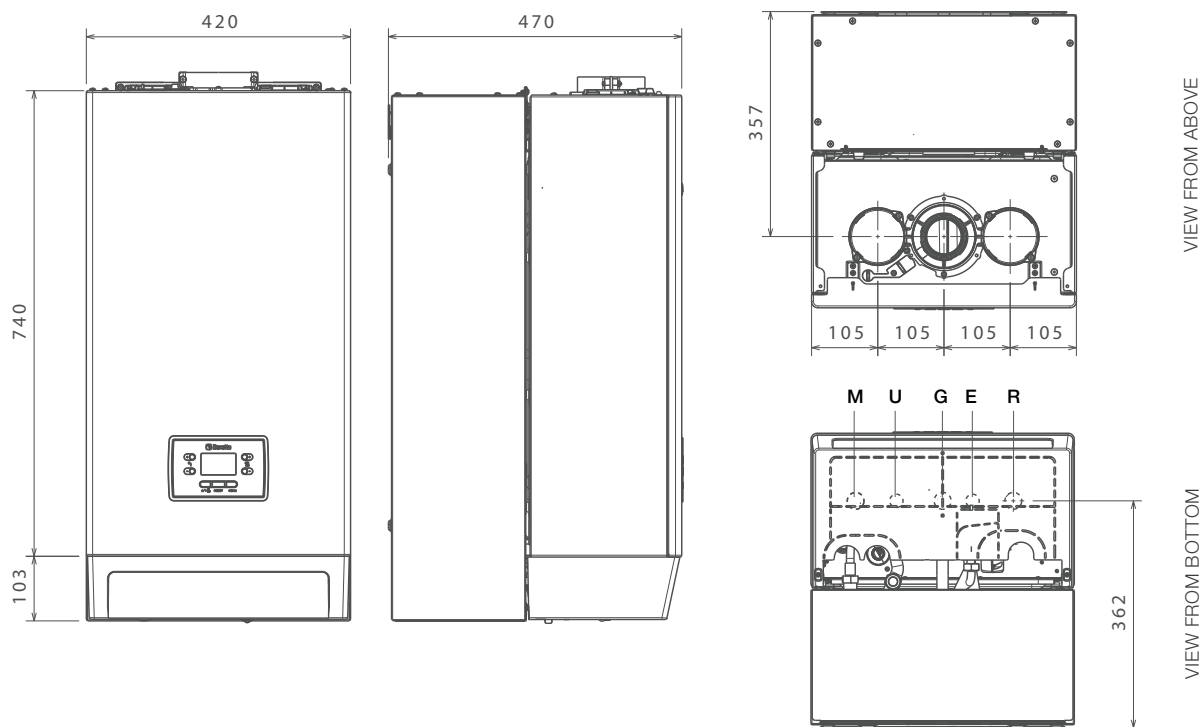
STEP 2: BOILER MOUNTING



- › **NEW FLUE GAS FLANGE** WITH QUICK-TIGHTENING SAFETY COLLAR
- › **LOW NO_x 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.

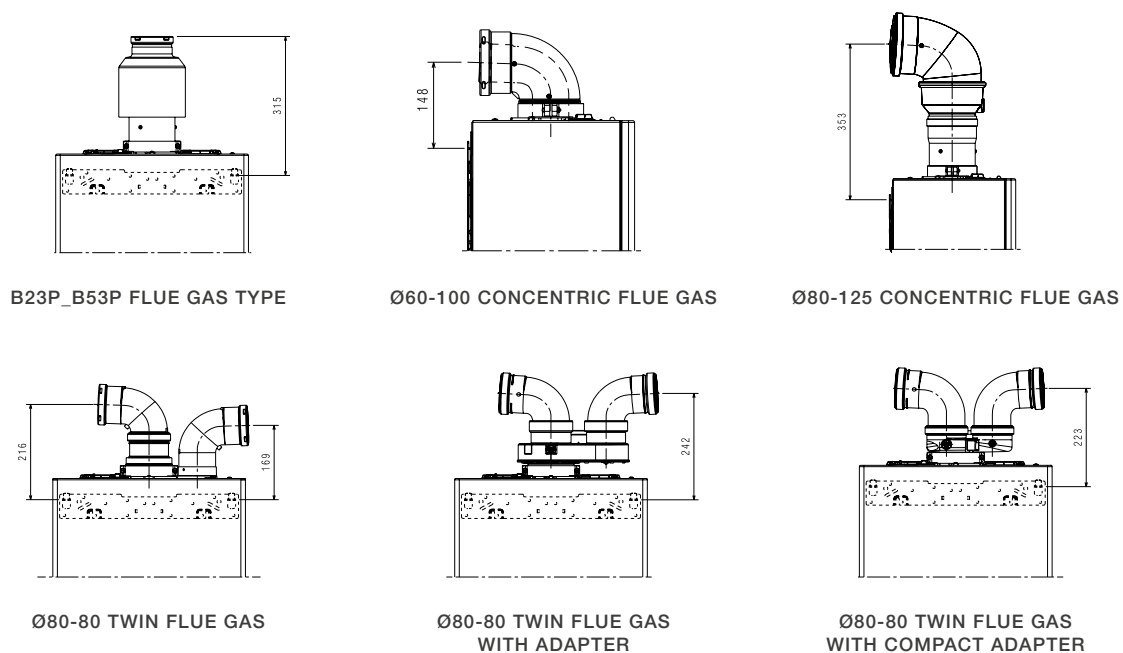
TECHNICAL DRAWINGS



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	%	94
USEFUL HEAT OUTPUT			
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
USEFUL EFFICIENCY			
At nominal heat output and high temperature regime (***)	η4	%	87,3
At 30% nominal heat output and at low temperature regime (****)	η1	%	98,5
AUXILIARY ELECTRICITY CONSUMPTION			
At full load	elmax	W	32
At partial load	elmin	W	12
In stand-by mode	PSB	W	3
OTHER PARAMETERS			
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
FOR COMBI BOILERS - BOILER WITH DOSSERET			
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
OTHER TECHNICAL SPECIFICATIONS			
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
CH			
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
DHW			
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
GAS, HYDRAULIC CONNECTIONS			
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"
WEIGHT			
Net weight of boiler		kg	31
Net weight of the tank		kg	18,6
FLUE GAS PIPES AND AIR INTAKE			
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 range of energy efficiency class range of this product category is between D and A+++.

(**) The range of 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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