

Heat IQ

X



E

T

D

N

Y

M

 Beretta



MYNUTE X

QUALITY NOT COMPROMISE



 beretta

MYNUTE X, CONDENSING BOILER RANGE FULLY LOADED WITH CUTTING EDGE FEATURES AND REAL-WORLD ADVANTAGES

Beretta present MYNUTE X, a range of condensing boilers incorporating distinguishing innovations, including the new advanced condensing heat-exchanger in stainless steel, the ACC gas adaptive combustion system and intuitive all new electronic interface.

The design detail of MYNUTE X highlights Beretta's tradition of excellence and expertise, proven by over 40 years of experience in the heating industry. MYNUTE X blends easily into any setting, with compact dimensions and flexibility of installation.

The range covers all comfort needs for residential application with models, available in different outputs from 20 to 40 kW, as both "combination" and "heating only" versions. With unsurpassed domestic hot water production. **up to 24.1L per minute @ 25 Deg Rise** (Mynute X40C)

High efficiency, flexibility of installation, low consumption and user-friendly control make Mynute X the winning choice, both for new installations and replacement.



**INNOVATIVE
STAINLESS STEEL
HEAT EXCHANGER**



**UNIVERSAL
APPLICATION**

Indoor, outdoor
(EXTERNAL BOX)
application



**NEW DIGITAL
INTERFACE**

User-friendly interface with
LCD backlit display and
7 push buttons



**QUICK & SIMPLE
INSTALLATION**

Casing removal is no longer required to make the electrical connections and calibrations



**SELF-
CALIBRATING**

Auto-adaptability of the boiler to different types and compositions of gas - NO mechanical calibrations



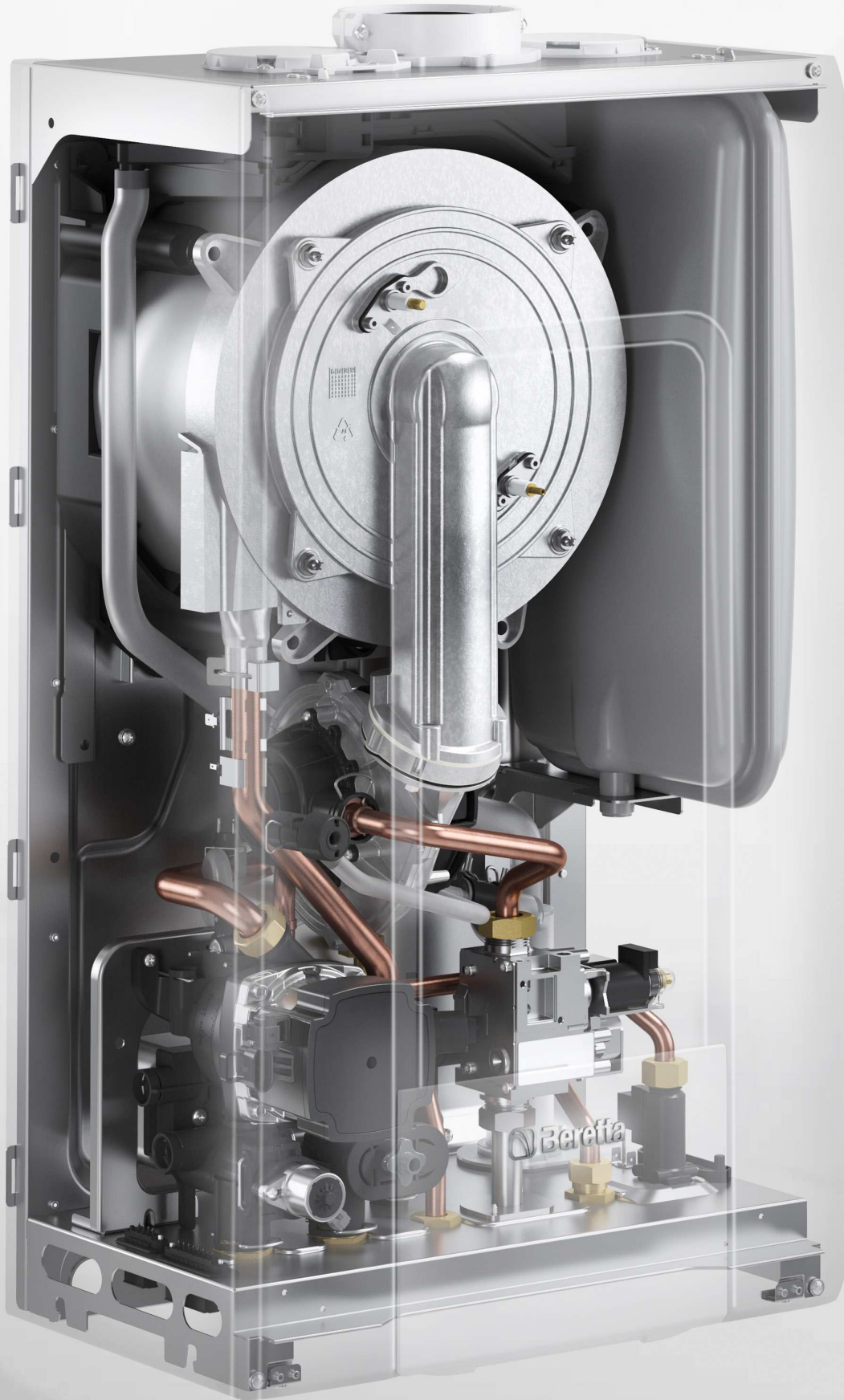
**HIGH
EFFICIENCY**

Ultra low consumption, thanks to the new primary heat exchanger, the modulating circulator and the ACC combustion



**CO
MONITOR**

CO boiler level constantly monitored and calibrated for maximum safety



30R

20R

HEATING ONLY MODELS

40C

35C

30C

COMBI MODELS

Class leading European Technology

- › NEW CONDENSING **HEAT-EXCHANGER IN STAINLESS STEEL** WITH FRONTAL ACCESS
- › **ACTIVE COMBUSTION CONTROL** VIA ACC SYSTEM
- › CLASS LEADING MODULATION (UP TO 1:8)
- › **LOW ENERGY MODULATING CIRCULATOR** ($EEI \leq 0,20$) ELECTRONICALLY ADJUSTABLE WITH FOUR MANAGEMENT MODES:
 - VARIABLE SPEED WITH PROPORTIONAL MODE (VELOCITY PROPORTIONAL TO BOILER OUTPUT)
 - VARIABLE SPEED WITH ΔT MODE (TO KEEP CONSTANT FLOW-RETURN DIFFERENTIAL TEMPERATURE)
 - FIXED SPEED MODE AT MAXIMUM LEVEL
 - EXCEPTIONAL USE OF A STANDARD CIRCULATOR WHOSE SPEED CANNOT BE REGULATED
- › **BUILT-IN NON RETURN VALVE ON FLUES** ALLOWING MYNUTE X(*) CERTIFICATION AS C₍₁₀₎ APPLIANCE(**) FOR SHARING CHIMNEYS UNDER PRESSURE
- › **LOW NOX**: CLASS 6 (EN 15502)
- › **HYBRID READY** BOILER, THAT CAN BE INTEGRATED IN BERETTA MULTI-ENERGY SYSTEMS VIA REC 10H, AVAILABLE AS AN ACCESSORY
- › **FLEXIBILITY OF INSTALLATION**: INDOOR, OUTDOOR (IN PARTIALLY PROTECTED PLACES) OUTDOOR IN CASE
- › **CLICK-FIT FLUE CONNECTION: FAST AND SAFETY**
- › **HYDRAULIC CONNECTIONS AND OUTDOOR PROBE** AVAILABLE AS OPTIONAL
- › **FROST PROTECTION** AS STANDARD
- › **IPX5D** ELECTRICAL PROTECTION
- › LPG OPERATION SELECTABLE THROUGH DISPLAY PARAMETER. **LPG TRANSFORMATION KIT NOT NECESSARY**. THANKS TO THE ACC SYSTEM, THE GAS COMMUTATION IS VIA ELECTRONIC SETTING
- › **DUAL OUTPUT SYSTEM BOILERS INCLUDE INDEPENDENT DHW FLOW & RETURN CONNECTIONS** FOR DHW AN IN BUILT DIVERTER VALVE ALLOWS LOW TEMP UFH - AND HIGH TEMP DHW

(*) All models except for 40C and 40R.

(**) A C₍₁₀₎ appliance means that it is designed to become connected to a common duct system, that is designed to operate under the conditions where the static pressure in the common flue duct might exceed the static pressure in the common air duct.



MYNUTE X features the new “hybrid ready” technology by Beretta, conceived to integrate and manage different energy sources (gas/electricity/renewables). Provided with the new communication BUS, MYNUTE X can manage a hybrid system with the heat pump HYDRONIC UNIT LE B through the REC 10H, the “brain” of the system, available as an accessory (while disabling the boiler interface).

NEW DIGITAL CONTROL PANEL

The control panel is one of the distinguishing and innovative elements of MYNUTE X product line. MYNUTE X functions can be accessed through a modern backlit LCD display, which communicates

with the user through intuitive icons. Thanks to seven push buttons with clear silkscreen, it is possible to easily access and set all MYNUTE X parameters.



MYNUTE X "GREEN LED": A small LED light bar shows the boiler's operation status, reflecting on the casing a green light, if the boiler is operating regularly.



increase the DHW temperature value.



decrease DHW temperature



select boiler status: Winter - Summer - Stand-by - OFF

RESET

restore functioning after a fault code/ access boiler parameters

MENU

access to INFO MENU and preheating function/enter-confirm a choice



increase CH temperature



decrease CH temperature

MYNUTE X FUNCTIONS

- › **MANAGEMENT UP TO 2 HYDRAULIC CIRCUITS**
HIGH TEMPERATURE AND/OR LOW TEMPERATURE, VIA OPTIONAL ACCESSORIES
- › **INTEGRATION WITH SOLAR THERMAL SYSTEMS** FOR DHW PRODUCTION (INSTANTANEOUS OR WITH INDIRECT TANK)
- › **PRE-HEATING**
PRE-HEATING FUNCTION FOR DOMESTIC HOT WATER

- › **TOUCH & GO COMFORT FUNCTION**
DHW PRE-HEATING ACTIVATED JUST WITH SHORT ON/OFF ON HOT WATER TAP. YOUR SHOWER IS READY!
- › **EMBEDDED TIME-CLOCK** (7-DAY)
- › **CONNECTION WITH DHW TANKS** (R MODELS) WITH LEGIONELLA PROTECTION FUNCTION

MYNUTE X EVERYWHERE

L 420 mm

H 740 mm

Beretta



BêSMART 

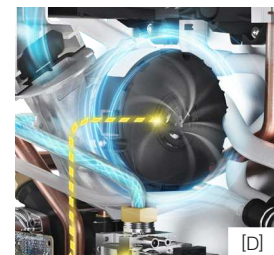
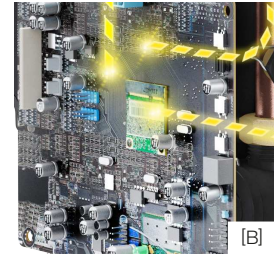
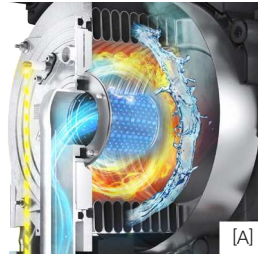
Mynute X is fully compatible with the Beretta Be Smart and Heat IQ Wifi control options - Please talk to the team at Heat IQ to find the ideal wifi solution for your Mynute X

ACTIVE COMBUSTION CONTROL

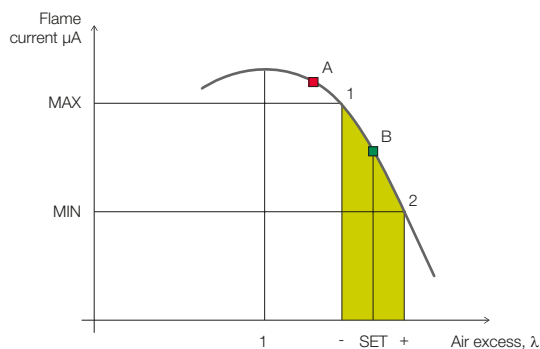


The ACC system, was designed and developed by Beretta, allowing us to offer best-in-class functionality, efficiency and low emissions in all circumstances. Using a flame ionisation current detection sensor, allows the electronics to continuously modulate the quantity of injected fuel, the system keeps the air/gas mix constant at the optimal values in the whole power output modulation field (constantly optimising CO₂ value).

Thanks to the sophisticated ACC system, combustion self-adjusts, eliminating the need of any calibration and allowing the boiler to operate with multiple gas compositions. Special attention is paid to CO emissions, through self-diagnosis that operates on the burner before the threshold of emission permitted by the regulations is exceeded.



[A] BURNER WITH IONISATION SENSOR
 [B] TRADITIONAL GAS VALVE WITH MODULATOR
 [C] BURNER WITH IONISATION SENSOR
 [D] MODULATING FAN WITH HALL EFFECT



Combustion control is designed to keep combustion values within the air excess optimal value required by combustion in the whole boiler modulation range (operating point B). The optimum operation limit is defined within the tract delimited by points 1 and 2.

If during the operation of MYNUTE X, in the course of periodic checks carried out by the combustion control, a value exceeding the preset firing rate is identified (e.g. point A), the control system immediately activates the air/gas ratio correction to bring combustion back within the set values.

BENEFITS OF ACC SYSTEM

- › **SYSTEM SELF-ADAPTATION TO GAS TYPE AND COMPOSITION (ALSO INSTANTANEOUS).** GAS CONVERSION KITS NO LONGER REQUIRED
- › **NO MECHANICAL CALIBRATION OR MANUAL OPERATIONS ON COMBUSTION TO BE CARRIED OUT ON THE BOILER**
- › **STOICHIOMETRIC RATIO CONSERVATION.** CONSTANT AIR/GAS RATIO IN ANY CIRCUMSTANCE
- › **CONTINUOUS EMISSION CONTROL** IN COMPLIANCE WITH REGULATORY CONSTRAINTS
- › **MAXIMISED GAS SAVING** WITH RESPECT TO TRADITIONAL SYSTEMS THANKS TO THE CONSTANT PRESERVATION OF POWER MODULAR EFFICIENCY
- › **SELF-LEARNING.** OPTIMISED EFFICIENCY AND RELIABILITY OVER TIME THANKS TO SELF-LEARNING WITH COMPENSATION BY ACC SYSTEM

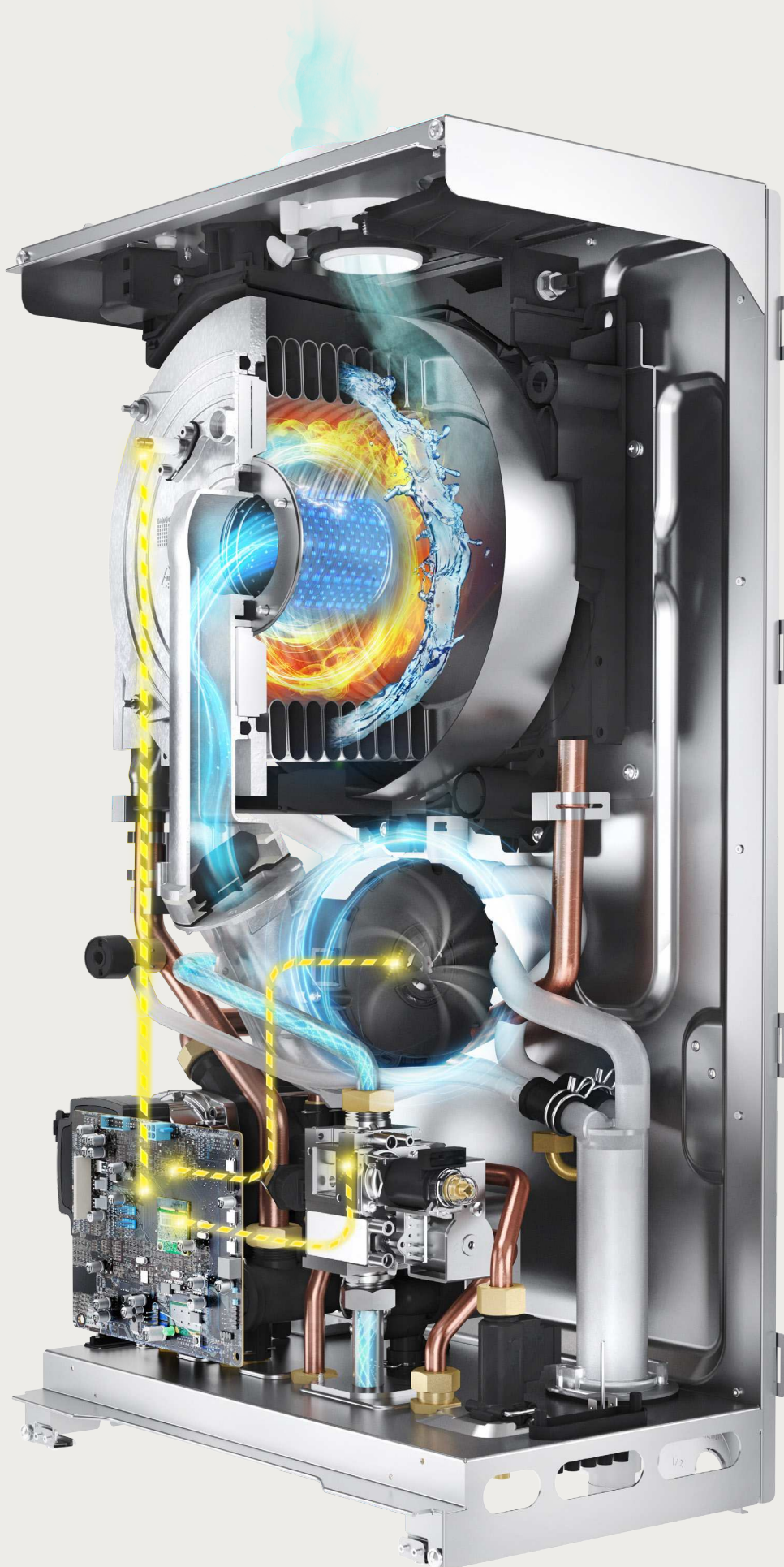
NEW STAINLESS STEEL HEAT EXCHANGER



The innovative primary heat exchanger in stainless steel, made of a **coiled smooth tube with a large section**, ensures optimized efficiency of the combustion and **cleanness over time**.

The stainless steel quality AISI 304 L provides **high resistance to corrosion** deriving from acidic condensate. The large section of the tube and its **geometry as a unique coil** ensure a constant flow and prevent intrinsically from clogging.

The frontal access to heat exchanger enables ease of maintenance and cleaning of the combustion chamber.



Mynute X is distributed in New Zealand by Tradepoint Ltd (Heat IQ) your regional Beretta distributor.

Technical support you can rely on

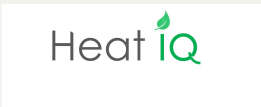
Heat IQ technical support and a comprehensive spares stock are available for Mynute X as well as other products in our Beretta range including the Power X Commercial cascade boilers and Tivano Fan coil radiators.

Beretta Mynute X is covered by a five year warranty provisional upon annual servicing and maintenance as prescribed. This warranty is extended to seven years Parts five years labour when installed and serviced by a Heat IQ accredited engineer. Labour under warranty is covered to the maximum amounts as set out in our published schedule of allowances. This is part of our formal warranty statement which can be found in the information library on our website

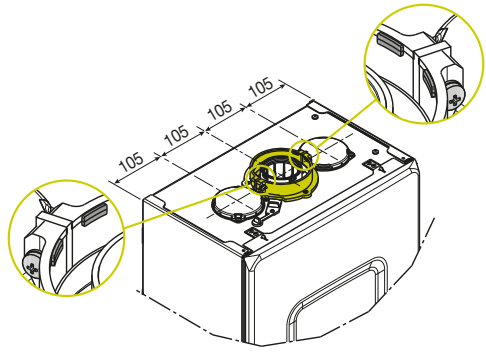
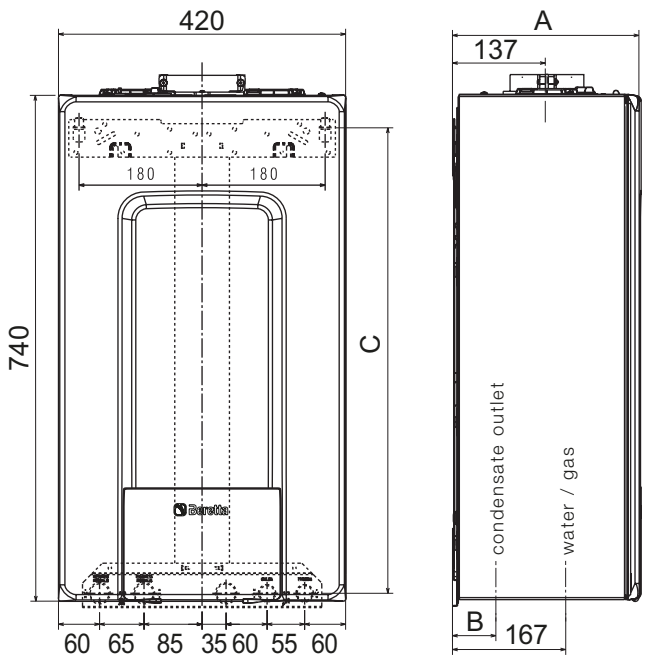
Time to move to the next generation, Install Beretta, install Mynute X

www.heatiq.co.nz : sales@heatiq.co.nz : 06 3447392

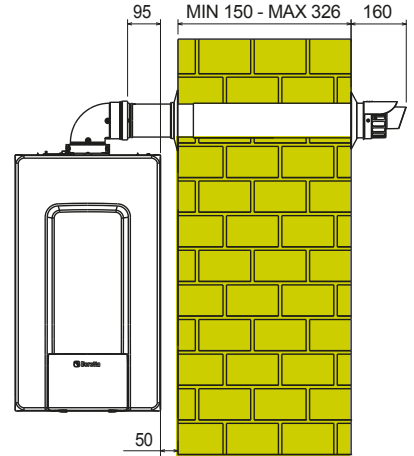
Tradepoint Ltd (Heat IQ) 11 Rakau Road Whanganui New Zealand PO Box 530 Whanganui



TECHNICAL DRAWINGS



- - Flange installed as standard
- Quick installation without the need of external collar
- Special accessories must be connected to the flange (green detail in the drawing)



	25C	30C	35C	40C	20R	30R	40R
A	275	350	350	350	275	350	350
B	64	64	64	64	58	58	58
C	681	681	681	681	692	692	692