

Product Guide



The future of technologically
advanced, highly-efficient
heating systems is here

COMBI BOILERS | SYSTEM BOILERS | OPEN VENT BOILERS | AIR SOURCE HEAT PUMPS

WATER HEATERS | COMMERCIAL | TRAINING & SUPPORT

Vokèra by Riello

Product range at a glance

Combi Boilers

Unica MAX C



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Vision Plus C



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Vibe MAX C



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System Boilers

Unica MAX S



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Vision Plus S



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Vibe MAX S



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Mynute 20 VHE



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Smart Controls

Hi, Comfort



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Water Heaters

AquaNova LE



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Air Source Heat Pumps

NXHM



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Commercial Products



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Domestic heating solutions

About Us

Established 40 years ago, Vokèra operates across the UK and Ireland and through its parent brand Riello, is part of Carrier Global Comfort Solutions. Carrier is the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions.

100 Years of Innovation

In 2022, Riello celebrated 100 years of innovation and engineering excellence in residential and commercial heating solutions. Riello's expertise is now firmly focused on the future with the decarbonisation of heating. Innovation and sustainability guide Riello in the way it operates and in the creation of cutting-edge systems. The objective is the continuous improvement of the quality of life, making the planet a better place to live today and for future generations.

Looking to the Future...

Carrier is investing \$16 million to build an R&D Center of Excellence focused on residential and light commercial heating, air conditioning and domestic water systems located in Villasanta (MB), Italy. The goal is to expand the offering and strengthen the development of environmentally sustainable and innovative solutions, primarily heat pumps, hydrogen-ready boilers and IoT (Internet of Things) systems.

RIELLO

Energy For Life



Vokèra by Riello technology

Radial stainless steel heat exchanger

Starting from the raw materials, this key component is designed and built to ensure the highest quality, no compromise. This provides maximum control over the manufacturing process, ensuring excellent flexibility and reliability of the thermal and corrosion resistant properties of the heat exchanger.

The heat exchanger, found across our boiler range, is a single piece component manufactured from superior quality stainless steel. It is a 'two pass' exchanger incorporating a retarder to maximise heat transfer. The radial single coil design and large cross-sectional area eliminate the risk of scaling or superheated areas and also allows for front servicing.



Active Combustion Control (ACC) and Carbon Monoxide (CO) monitor



The **Unica MAX** range features ACC (Active Combustion Control), which uses the burner electrode ionisation current to monitor the air/gas mixture of the boiler. The quality of the gas affects the ionisation signal and by adjusting the air/gas mix in order to maintain a specific ionisation value; the **Unica MAX** will use less gas when the quality is good. Thus optimising gas consumption and reducing emissions without sacrificing performance.

Safety is the most important consideration with any gas appliance, so the **Unica MAX** takes this a step further and features an excess CO monitor. In the unlikely event of excess CO being detected the **Unica MAX** will shut down and not run until the issue has been resolved.

Intelligent controls

Vokèra boilers boast some of the best use of technology, including OpenTherm, that help maximise efficiency. We are committed to making our controls as straight forward as possible, ensuring our controls are extremely simple to install with our boilers. Hi, Comfort offers Internet connected control and multi-zone efficiency.



Hi, Comfort T100

Support

Technical training

Vokèra technical training delivers real value to Gas Safe Registered engineers. Our training focuses on an engineer's need to become familiar with the product and to enable quick and simple installation or repair. Our training is structured to ensure you cover: the appliance range, installation, operation, wiring, flueing, benchmark, fault finding and commissioning. To attend you must be Gas Safe Registered.*

For more information or to book a course call **01727 744002** or email **training@vokera.co.uk**

Vokèra product courses

BOILER INSTALLATION AND COMMISSIONING COURSE	1 DAY
FAULT FINDING PRODUCT COURSE	1 DAY
CONTROLS COURSE (INC 'BOILER PLUS' OVERVIEW)	1 DAY
HEAT PUMP OVERVIEW PRODUCT COURSE	1 DAY
INDIVIDUAL OR TAILORED WORKSHOPS	1 DAY
COMMERCIAL HEATING PRODUCT COURSE	1 DAY

**excluding the Controls course.*



Join our FREE webinars

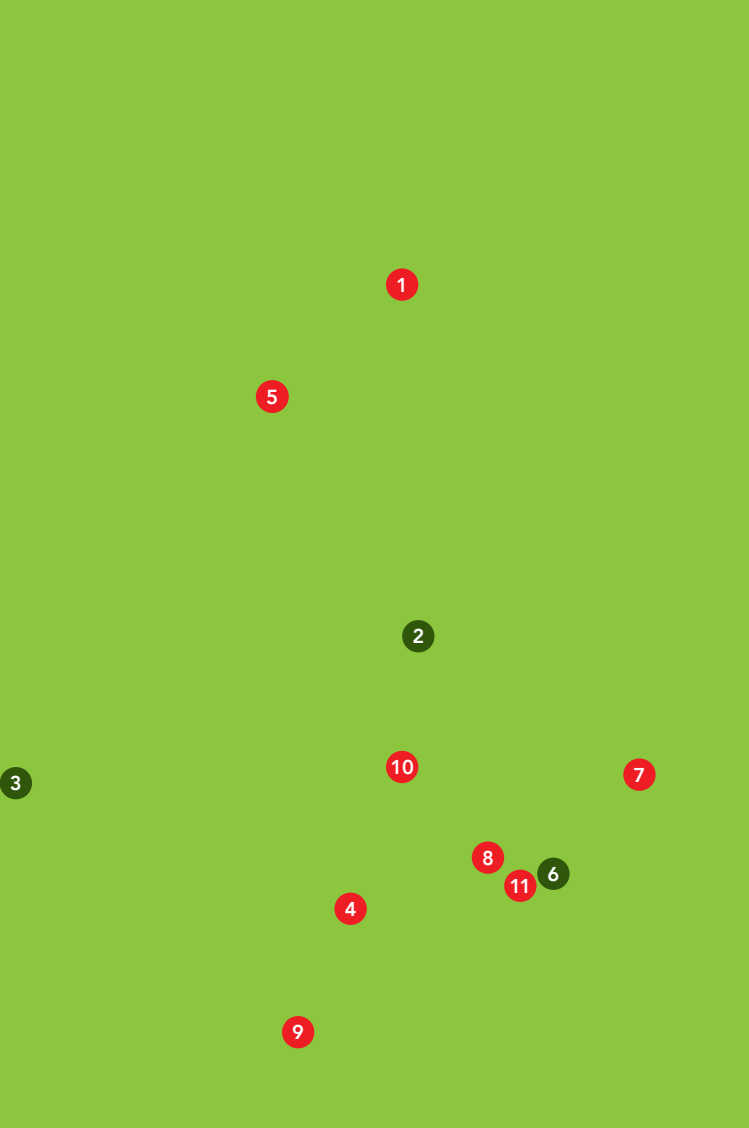
Our webinar programme covers topics similar to our face-to-face training. Held either at 4pm or 7pm, these are live and fully interactive, with multiple cameras so you can get up close to the products. There are regular Q&A breaks throughout the sessions where, using the Q&A function, you can type your questions in, and our technical trainer will answer them live. No webcam and microphone required.

For further details visit:

www.vokera.co.uk/webinars

Vokèra offers training across the UK & Ireland:

- 1 Aberdeen
- 2 Bradford
- 3 Callan Co Kilkenny
- 4 Cardiff (Treforest)
- 5 Kirkintilloch
- 6 London Colney
- 7 Norwich
- 8 Oxford
- 9 Plymouth
- 10 Telford
- 11 Uxbridge



Support

After sales support / spares



Customer care team – 01274 866100

We pride ourselves on providing a first class after sales service with a dedicated customer care centre in the UK and Ireland, supported with 41 factory trained Vokèra field engineers along with 85 service agents, who support every Vokèra installation.

- Every engineer carries a full complement of spare parts to help ensure a high first time fix rate
- Real time data field reports for service contracts
- Full monthly reports can be provided to monitor call outs
- One point of contact to report and discuss service issues
- Full audit trail to track service call

Technical support – 01727 744028

Our fully trained technical team provides post sales technical help to support the installer.

Spare parts – 01727 744000

Vokèra
GENUINE PARTS
BY **RIELLO**



Product warranty

As with all domestic gas boilers, an annual service is recommended to maintain optimum performance, efficiency and safety. In addition to a parts and labour warranty* we also make a promise to all our customers:-

Our dedicated customer service team and Gas Safe Registered engineers are available 6 days a week to support the needs of every single Vokèra boiler installation. They aim to respond to every call within 48 hours or less, or at a time agreed with the homeowner. They will make every effort to solve any technical problem over the phone, answering quickly, politely and at all times acting in the best interest of our customers.

**All warranties are subject to registration and annual servicing.*

Accreditations and quality assurances

Vokèra is recognised for the quality and reliability of its products.

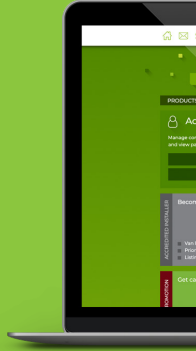
At every stage from research and development, through to production and after sales support, we build quality in as standard.

- BS EN ISO9001:2000 Approved
- Members of the Heating and Hotwater Industry Council (HHIC)
- Support the 'Benchmark' initiative
- Gas Safe Registered trainers
- Every product is pre-tested at the factory ensuring the highest quality and reliability



VokèraAffinity

If you are a gas installer registered with either Gas Safe Register (UK) or RGII (ROI) then you really should become a member of Vokèra Affinity.



Now, with just one simple online registration you can register your product installation with Vokèra to receive **FREE Gas Safe notification (UK only*)**, **extended warranty activation** and much more.

Not yet a member? Sign up today!

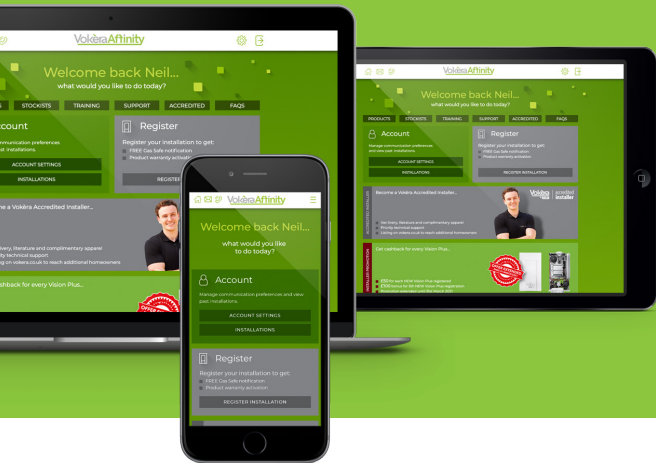


In the UK scan or visit
www.vokeraaffinity.co.uk



In Ireland scan or visit
www.vokeraaffinity.ie

* In ROI, boiler installation registration with RGII must be carried out in the usual way.



Thousands of installers have been benefiting from Affinity since its launch in 2006.

If you are a UK gas installer registered with the Gas Safe Register and install Vokèra products then you really should become a member of Vokèra Affinity and take advantage of the many installer benefits.

FREE Gas Safe Notification – just one form and we'll notify your Vokèra boiler installation with Gas Safe Register and pay the notification ⁽¹⁾. Your customers product warranty will be registered ⁽²⁾.

Priority support – you'll get priority technical advice and access to a support team who are ready to help you.

Seasonal promotions – you'll be the first to know important information on our special seasonal promotional offers.

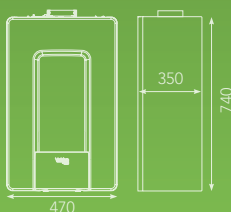
(1) You will have the opportunity to tell us if you will be carrying out your own servicing work so will not actively target your customers for servicing.

(2) Excluding social housing contracts.

High efficiency combi boiler



Dimensions (mm)



Specifications	30C	35C	40C
PRODUCT ORDER CODE	20197307	20188336	20188337
CENTRAL HEATING			
HEAT INPUT (kW)	25	32	32
HEAT OUTPUT 80/60°C (kW) (MAX/MIN)	24.43 / 4.7	31.23 / 4.7	31.23 / 4.7
HEAT OUTPUT 50/30°C (kW) (MAX/MIN)	26.88 / 5.06	34.37 / 5.06	34.37 / 5.06
DOMESTIC HOT WATER			
HEAT INPUT (kW)	30	34.6	40
FLOW RATE - 35°C RISE (L/MIN)	12.9	14.2	16.4
WEIGHT			
DRY WEIGHT (KG)	40	40	40
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/94	A/94	A/94
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/85	A/85	A/85
SAP 2009/2012 EFFICIENCY (%)		89.1	89.3
NO _x CLASS	6	6	6

Accessories	
DESCRIPTION	CODE
HI,COMFORT T100 WI-FI KIT	20193357
REC10H RELOCATION KIT	20150823
CONNECT HYBRID HD1(1-ZONE)	20130801
CONNECT HYBRID HD2 (2-ZONE)	20130802
CONNECT HYBRID AT/BT (HIGH T & LOW T ZONES)	20130803
METAL ENCLOSURE FOR CONNECT HYBRID	20130808
VALVE KIT FOR CONNECT HYBRID	20131752
SPACING FRAME	20139516
AUTOSTOP KEY	515
AUXILIARY ZONE CONTROL BE16	20132795
BE16 EXPANSION MODULE	20132796

NB: For every 45° and 90° bend deduct 1m from flue length

Flue Lengths	30C	35C	40C
FLUE DETAILS (CONCENTRIC)			
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	6M	6M	5M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	7M	7M	6M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	15M	15M	12M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	15M	15M	12M

Horizontal and Vertical Flue Options (60/100)		
COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽⁴⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32.



10 Year Warranty⁽¹⁾



Reduced Emissions
ACC Inside



OpenTherm
Inside



Text Driven Menu



Built-in Filling
Loop

⁽¹⁾Subject to registration and annual service.



High DHW
Performance



Click Fit Flue



Stainless Steel
Heat Exchanger



Compatible Out
Of The Box



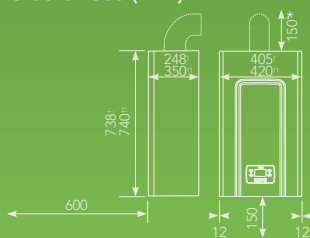
Compatible with
Hi, Comfort

Vision Plus C

High efficiency combi boiler



Dimensions (mm) and Clearances (mm)



*From casing or 25mm above flue elbow (whichever is applicable)

†Models 25C & 30C

††Models 35C & 40C

Specifications	25C	30C	35C	40C
PRODUCT ORDER CODE	20173520	20173521	20174724	20174725
CENTRAL HEATING				
HEAT INPUT (kW)	20	25	30	35
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.5 / 4.9	24.4 / 5.9	29.2 / 4.7	29.2/4.7
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	20.8 / 4.9	26.2 / 6.4	32.3 / 5.1	32.3/5.1
DOMESTIC HOT WATER				
HEAT INPUT (kW)	25	31.6	34.6	40
FLOW RATE – 35°C RISE (L/MIN)	10.2	12.9	14.2	16.4
WEIGHT				
DRY WEIGHT (KG)	27	29	37	37
EFFICIENCY				
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/93	A/93	A/92	A/92
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/85	A/84	A/88	A/86

Accessories			
DESCRIPTION	CODE		
HI,COMFORT T100 WI-FI KIT	20193357		
7 DAY RF ROOM THERMOSTAT CONTROL	20101743		
SPACING FRAME	20030704	20139516	
MAGNETIC FILTER	29450199		
PRE FIXING JIG	20177531		
CONDENSATE PUMP	404		
LPG CONVERSION KITS	20082917	20113110	20080711

Vision Plus 25C & 30C



Lightweight & Compact



Cupboard Fit



Rear Flue

Vision Plus 35C & 40C



1:8 modulation



High DHW Flow Rates










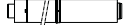



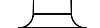


Radial Heat Exchanger

NB: For every 45° and 90° bend deduct 1m from flue length

Flue lengths	25C	30C	35C	40C
FLUE DETAILS (CONCENTRIC)				
MAX HORIZONTAL FLUE LENGTH (60/100MM)	5.85M	4.85M	6M	6M
MAX VERTICAL FLUE LENGTH (60/100MM)	6.85M	5.85M	7M	7M
MAX HORIZONTAL FLUE LENGTH (80/125MM)	15M	12M	15M	15M
MAX VERTICAL FLUE LENGTH (80/125MM)	15M	12M	15M	15M
FLUE DETAILS (TWIN PIPES)				
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)	30M/30M	25M/25M	25M/25M	25M/25M
MAX VERTICAL FLUE LENGTH (80MM/80MM)	30M/30M	25M/25M	25M/25M	25M/25M

Horizontal and vertical flue options (60/100)

COMPONENT	DESCRIPTION	CODE
	TELESCOPIC REAR FLUE 320MM - 825MM ⁽²⁾	20132064
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽³⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32..



7 Year Warranty⁽¹⁾



ErP Compliant



OpenTherm
Inside



7 Day Time Clock

(1) Subject to registration and annual service, terms and conditions apply.

(2) Models 25C & 30 C only.



Built-in Filling
Loop



Universal Pipe
Layout



Click Fit
Flue



Converts
to LPG

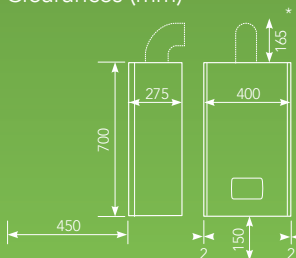


Compatible with
Hi, Comfort

Vibe MAX C



Dimensions and Clearances (mm)



*From casing or 25mm above flue elbow (whichever is applicable)

Specifications	26C	30C
PRODUCT ORDER CODE	20188719	20188721
CENTRAL HEATING		
HEAT INPUT (kW)	20	25
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.4 / 2.9	24.4 / 3.8
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	20.9 / 3.0	26.8 / 4.0
DOMESTIC HOT WATER		
HEAT INPUT (kW)	25	30
FLOW RATE - 35°C RISE (L/MIN)	10.2	12.3
WEIGHT		
DRY WEIGHT (KG)	28.5	30
EFFICIENCY		
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/93	A/93
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/84	A/84
SAP 2009/2012 EFFICIENCY (%)	89.1	89.1
NO _x CLASS	6	6

Accessories	
DESCRIPTION	CODE
HI, COMFORT T100 WI-FI KIT	20193357
HI, COMFORT K100 SMART KEY	20168501
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
LPG CONVERSION KIT	20038060 20007958

NB: For every 45° deduct 1m and 90° bend deduct 1.5m from flue length

Flue lengths	26C	30C
FLUE DETAILS (CONCENTRIC)		
MAX HORIZONTAL FLUE LENGTH (60/100MM)	5.85M	4.85M
MAX VERTICAL FLUE LENGTH (60/100MM)	6.85M	5.85M
MAX HORIZONTAL FLUE LENGTH (80/125MM)	14M	12M
MAX VERTICAL FLUE LENGTH (80/125MM)	14M	12M
FLUE DETAILS (TWIN PIPES)		
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)	25M/25M	20M/20M
MAX VERTICAL FLUE LENGTH (80MM/80MM)	25M/25M	20M/20M

Horizontal and vertical flue options (60/100)		
COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽³⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

(1) Subject to registration and annual service, terms and conditions apply.

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32..

5 Year Warranty ⁽¹⁾	OpenTherm Inside	Universal Pipe Layout Version	Built-in Filling Loop ⁽⁴⁾
Click Fit Flue	Converts to LPG	Stainless Steel Heat Exchanger	Bluetooth Easi-Connect

Scan the QR code to watch the video



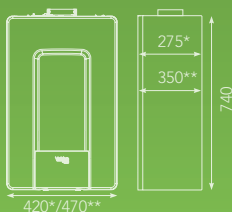
Compatible with Hi, Comfort



Compatible with Easi-Connect

Unica MAX S

High efficiency system boiler





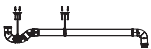



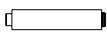
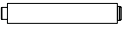


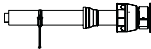


* 20S
**30S

Specifications	20S	30S
PRODUCT ORDER CODE	20188338	20188339
CENTRAL HEATING		
HEAT INPUT (kW)	20	32
HEAT OUTPUT 80/60°C (kW) (MAX/MIN)	19.5 / 3.46	31.23 / 4.69
HEAT OUTPUT 50/30°C (kW) (MAX/MIN)	21.32 / 3.85	34.37 / 5.06
WEIGHT		
DRY WEIGHT (KG)	32	37.5
EFFICIENCY		
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/93	A/94
SAP 2009/2012 EFFICIENCY (%)	89.0	89.1
NO _x CLASS	6	6

Accessories	
DESCRIPTION	CODE
REC10H RELOCATION KIT	20150823
CONNECT HYBRID HD1(1-ZONE)	20130801
CONNECT HYBRID HD2 (2-ZONE)	20130802
CONNECT HYBRID AT/BT (HIGH T & LOW T ZONES)	20130803
METAL ENCLOSURE FOR CONNECT HYBRID	20130808
VALVE KIT FOR CONNECT HYBRID	20131752
SPACING FRAME	20139516
AUTOSTOP KEY	515
AUXILIARY ZONE CONTROL BE16	20132795
BE16 EXPANSION MODULE	20132796

NB: For every 45° and 90° bend deduct 1m from flue length

Flue Lengths	20S	30S
FLUE DETAILS (CONCENTRIC)		
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	10M	6M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	11M	7M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	25M	15M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	25M	15M

Horizontal and vertical flue options (60/100)		
COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽⁴⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32.



10 Year
Warranty⁽¹⁾



Reduced Emissions
ACC Inside



OpenTherm
Inside



Text Driven Menu

⁽¹⁾Subject to registration and annual service.



Click Fit Flue



Stainless Steel
Heat Exchanger



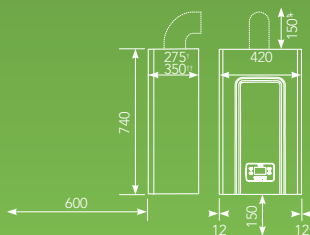
Compatible Out
Of The Box

Vision Plus S

High efficiency system boiler



Dimensions (mm) and Clearances (mm)



*From casing or 25mm above flue elbow (whichever is applicable)

†Model 20S

††Models 25S & 30S

Specifications	20S	25S	30S
PRODUCT ORDER CODE	20174726	20174728	20174729
CENTRAL HEATING			
HEAT INPUT (kW)	20	25	30
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.4 / 3.4	24.4 / 4.7	29.2 / 4.7
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	21.3 / 3.7	27.0 / 5.1	32.3 / 5.1
WEIGHT			
DRY WEIGHT (KG)	34	36	36
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/92	A/92	A/92
SAP 2009/2012 EFFICIENCY (%)	88.6	88.6	88.6
NO _x CLASS	6	6	6

Accessories	
DESCRIPTION	CODE
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
ZONE MANAGEMENT KIT	20132795
ADDITIONAL ZONE MODULE	20132796
RELAY (BE09)	20062614
RELAY (ITFR05)	20000783
SPACING FRAME	20139516
MAGNETIC FILTER	29450199
PRE FIXING JIG	20177531
CONDENSATE PUMP	404
LPG CONVERSION KITS	20007958 20080711

NB: For every 45° and 90° bend deduct 1m from flue length

Flue lengths	20S	25S	30S
FLUE DETAILS (CONCENTRIC)			
MAX HORIZONTAL FLUE LENGTH (60/100MM)	10M	6M	6M
MAX VERTICAL FLUE LENGTH (60/100MM)	11M	7M	7M
MAX HORIZONTAL FLUE LENGTH (80/125MM)	25M	15M	15M
MAX VERTICAL FLUE LENGTH (80/125MM)	25M	15M	15M
FLUE DETAILS (TWIN PIPES)			
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)	50M/50M	25M/25M	25M/25M
MAX VERTICAL FLUE LENGTH (80MM/80MM)	50M/50M	25M/25M	25M/25M

Horizontal and vertical flue options (60/100)

COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽³⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32.

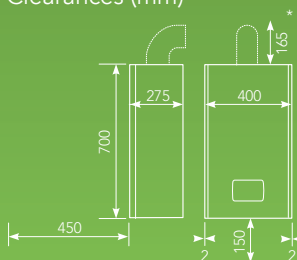
(1) Subject to registration and annual service, terms and conditions apply.

ErP Compliant	7 Year Warranty ⁽¹⁾	OpenTherm Inside	7 Day Time Clock ⁽²⁾
Radial Heat Exchanger	BUILT-IN ON-BOARD RELAY	Click Fit Flue	Converts to LPG

Vibe MAX S



Dimensions and Clearances (mm)



*From casing or 25mm above flue elbow (whichever is applicable)

Specifications	20S	25C
PRODUCT ORDER CODE	20188722	20188724
CENTRAL HEATING		
HEAT INPUT (kW)	20	25
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.4 / 2.9	24.4 / 3.8
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	20.9 / 3.0	26.8 / 4.0
WEIGHT		
DRY WEIGHT (KG)	27.5	29
EFFICIENCY		
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/93	A/93
SAP 2009/2012 EFFICIENCY (%)	89.1	89.1
NO _x CLASS	6	6

Accessories	
DESCRIPTION	CODE
HI, COMFORT K100 SMART KEY	20168501
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
LPG CONVERSION KIT	20038060 20007958

NB: For every 45° deduct 1m and 90° bend deduct 1.5m from flue length

Flue lengths	20S	25S
FLUE DETAILS (CONCENTRIC)		
MAX HORIZONTAL FLUE LENGTH (60/100MM)	5.85M	4.85M
MAX VERTICAL FLUE LENGTH (60/100MM)	6.85M	5.85M
MAX HORIZONTAL FLUE LENGTH (80/125MM)	14M	12M
MAX VERTICAL FLUE LENGTH (80/125MM)	14M	12M
FLUE DETAILS (TWIN PIPES)		
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)	25M/25M	20M/20M
MAX VERTICAL FLUE LENGTH (80MM/80MM)	25M/25M	20M/20M

Horizontal and vertical flue options (60/100)

COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽³⁾	20122761
	HORIZONTAL FLUE TERMINAL (XF)	20122759
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL (XV)	20122763
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

(1) Subject to registration and annual service, terms and conditions apply.

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32..



5 Year
Warranty⁽¹⁾



OpenTherm
Inside



Universal Pipe
Layout Version



Click Fit Flue



Converts to LPG



Stainless Steel
Heat Exchanger

Scan the
QR code
to watch
the video

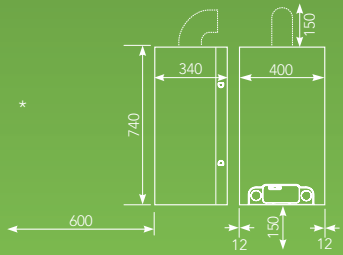


Mynute 20 VHE

High efficiency open vent boiler



Dimensions and Clearances (mm)



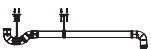



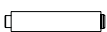



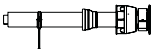




Specifications	MYNUTE 20 VHE
PRODUCT ORDER CODE	20144035
CENTRAL HEATING	
HEAT INPUT (kW)	20
HEAT OUTPUT @ 80/60°C (kW)	19.7 / 5.0
HEAT OUTPUT @ 50/30°C (kW)	21.2 / 5.3
WEIGHT	
DRY WEIGHT (KG)	28
EFFICIENCY	
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/92

Options	
DESCRIPTION	CODE
SPACING FRAME	2359689
MAGNETIC FILTER	29450199
CONDENSATE PUMP	404
WHITE PIPE COVER 400MM	518
MYNUTE VHE LPG CONVERSION KIT	20028555

NB: For every 45° and 90° bend deduct 1m from flue length

Flue lengths		MYNUTE 20 VHE
FLUE DETAILS (CONCENTRIC)		
MAX HORIZONTAL FLUE LENGTH (60/100MM)		7.8M
MAX VERTICAL FLUE LENGTH (60/100MM)		8.8M
MAX HORIZONTAL FLUE LENGTH (80/125MM)		20M
MAX VERTICAL FLUE LENGTH (80/125MM)		25M
FLUE DETAILS (TWIN PIPES)		
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)		40M/40M
MAX VERTICAL FLUE LENGTH (80MM/80MM)		40M/40M

Horizontal and vertical flue options (60/100)		
COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL 400MM - 575MM ⁽²⁾	20131981
	HORIZONTAL FLUE TERMINAL	20132063
	PLUME MANAGEMENT KIT	20142842
	90° BEND	20132059
	45° BEND (PAIR)	20132058
	500MM EXTENSION	20132060
	1000MM EXTENSION	20132061
	2000MM EXTENSION	20132062
	TELESCOPIC EXTENSION 372MM - 519MM	20131979
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL	20131983
	PITCHED ROOF FLASHING PLATE	20132050
	FLAT ROOF FLASHING PLATE	20135582

For a complete list of flues and accessories, including 80/125 concentric flues and twin flues see page 32.

(1) Subject to registration and annual service, terms and conditions apply.



ErP Compliant



5 Year Warranty⁽¹⁾



Radial Heat Exchanger



Versatile Flueing Options

Domestic boiler feature chart

Product features

10 YEAR WARRANTY

7 YEAR WARRANTY

5 YEAR WARRANTY

ACC (ACTIVE COMBUSTION CONTROL)

EMBEDDED CLOCK

TEXT-DRIVEN MENU

PRESSURE TRANSDUCER

DHW FLOW METER

MODBUS INTERFACE

EXCESS CARBON MONOXIDE (CO) MONITOR

EFFICIENCY INDICATOR

MODBUS COMPATIBLE

FRONT-SERVICING

CONCEALED SERVICE VALVES

LPG/NG (NO KIT REQUIRED)

LPG MODEL / CONVERSION KIT AVAILABLE

COMBUSTION ANALYSIS FUNCTION

BACK LIT LCD DISPLAY

HISTORY RECALL INFORMATION FUNCTION

DHW PREHEAT ON/OFF FUNCTION

AUTOSTOP FUNCTION - 1 MODE OPERATION

OPENTHERM EMBEDDED

HI COMFORT T100 COMPATIBLE

BUILT-IN FILLING LOOP

PRE-HEATED HOT WATER

PRE-FIXING JIG

AUTOMATIC BY-PASS

DIGITAL DIAGNOSTIC CODE DISPLAY

WEATHER COMPENSATION CONTROL OPTION

COMPARTMENT VENTILATION NOT REQUIRED

BUILT-IN FROST PROTECTION

ANTI SEIZE FUNCTION

NO_x CLASS 6

FAULT DIAGNOSTIC DISPLAY

CLICK FIT FLUE SYSTEM

TELESCOPIC FLUE SYSTEM

TWIN FLUE SYSTEM

VERTICAL FLUE OPTION

REAR FLUE OPTION

Use this product feature reference chart to quickly identify what Vokèra product provides the ideal solution for your heating and domestic hot water requirements.

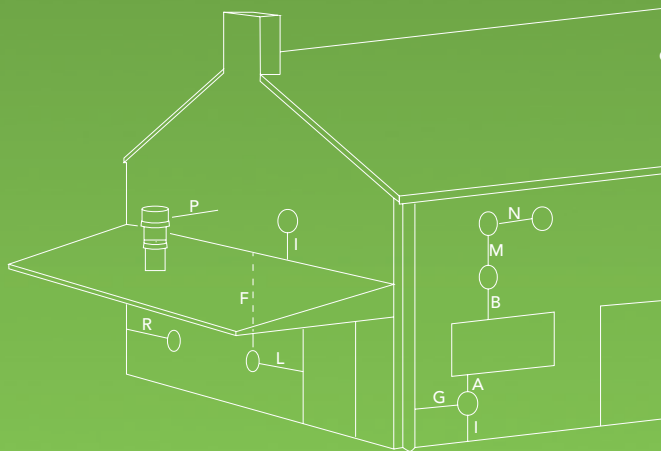
UNICA MAX C	VISION PLUS C	VIBE MAX C	UNICA MAX S	VISION PLUS S	VIBE MAX S	MYNUTE 20 VHE
✓	✗	✗	✓	✗	✗	✗
✗	✓	✗	✗	✓	✗	✗
✗	✗	✓	✗	✗	✓	✓
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✓	✓	✓	✓	✓	✓	✓
✗	✓ ⁽³⁾	✗	✗	✗	✗	✗

(1) Models 35C & 40C only. (2) Contact Vokèra Technical Support for advice.

(3) Models 25C & 30C only.

Flue options

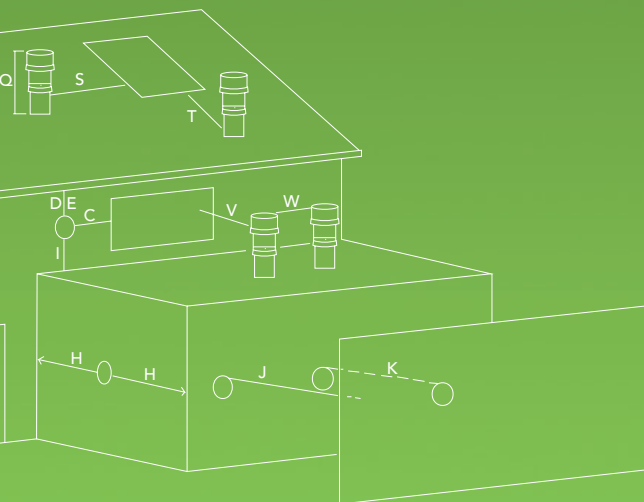
Terminal positions



Flue exit clearances

FLUE EXITS	
A	BELOW AN OPENING*
B	ABOVE AN OPENING*
C	TO THE SIDE OF AN OPENING*
D	BELOW GUTTERS, DRAIN PIPE ETC
E	BELOW EAVES
F	BELOW THE LOWEST POINT OF CARPORT ROOF
G	TO SIDE OF A VERTICAL SOIL/DRAIN PIPE ETC
H	FROM INTERNAL OR EXTERNAL CORNER OR BOUNDARY
I	ABOVE GROUND, ROOF OR BALCONY LEVEL
J	FROM A SURFACE OR BOUNDARY FACING A TERMINAL
K	FROM A TERMINAL FACING A TERMINAL
L	FROM AN OPENING IN THE CARPORT INTO THE BUILDING
M	VERTICALLY FROM A TERMINAL ON THE SAME WALL
N	HORIZONTALLY FROM A TERMINAL ON THE SAME WALL
P	FROM A STRUCTURE TO THE SIDE OF A VERTICAL TERMINAL
Q	FROM THE TOP OF A VERTICAL TERMINAL TO THE ROOF FLASHING
R	TO THE SIDE OF A BOUNDARY
S	TO THE SIDE OF AN OPENING* / WINDOW ON A PITCHED ROOF
T	BELOW AN OPENING* / WINDOW ON A PITCHED ROOF
V	FROM A VERTICAL TERMINAL TO AN ADJACENT OPENING*
W	FROM A VERTICAL TERMINAL TO AN ADJACENT VERTICAL TERMINAL

* Term 'opening' includes window, air brick etc
 ** Minimum clearance ensures the boiler works safely, however consideration should be made for nuisance factor.



MINIMUM DISTANCE	
	300MM
	300MM
	300MM
	25MM
	25MM
	25MM
	25MM (60MM FOR 80/125 FLUE)
	25MM (60MM FOR 80/125 FLUE)
	300MM
	600MM**
	1200MM
	1200MM
	1500MM
	300MM
	300MM
	AS DETERMINED BY FIXED COLLAR OF VERTICAL TERMINAL
	300MM
	600MM
	2000MM
	CALL VOKÉRA TECHNICAL SUPPORT FOR ADVICE
	300MM (ONLY IF BOTH TERMINALS ARE SAME HEIGHT)

Flue systems and terminal locations should be located and installed in accordance with current Building Regulations (UK) or I.S. 813 (ROI).

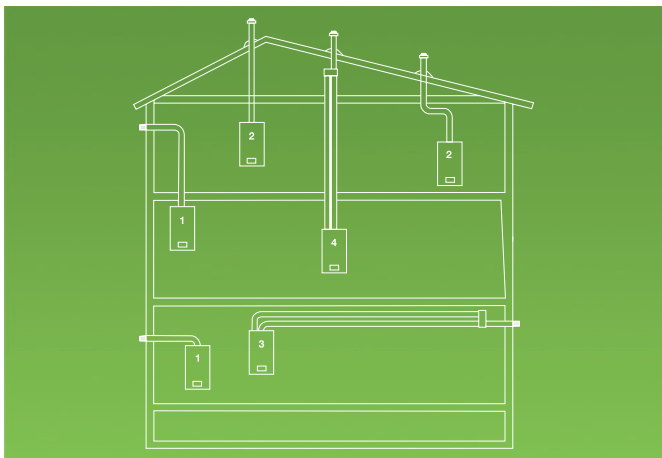
The terminal should be located where the dispersal of combustion products is not impeded and with due regard for the damage and/or discolouration that may occur to building products located nearby.

The terminal must not be located in a place where it is likely to cause a nuisance. Water vapour may condense on leaving the terminal. The effect of such plumeing must be considered.

Flue options

Installation options

The flue system installation options as detailed below are not generic for all concentric flues. Please see the boiler and flue compatibility tables for information on specific appliances suitability with the different concentric flue systems.



Flue system options

CONFIGURATION	DESCRIPTION	COMPATIBLE WITH
1	HORIZONTAL CONCENTRIC	ALL APPLIANCES
2	VERTICAL CONCENTRIC	ALL APPLIANCES
3	HORIZONTAL PARALLEL SYSTEM	ALL APPLIANCES
4	VERTICAL PARALLEL SYSTEM	ALL APPLIANCES

N.B. A boiler top adaptor/kit is required when using the 80/125mm concentric and 80mm parallel systems.

The 80mm + 80mm parallel (twin) system enables greater flue lengths to be achieved and can be used in either a horizontal or vertical configuration. However the parallel system must be converted back to a concentric system at the point of termination. Dedicated flue kits are available for this purpose.

An adaptor kit is required to convert the appliance flue outlet from a concentric configuration into a parallel configuration.

The exhaust pipe can reach very high temperatures and so must be adequately protected to avoid contact with persons and / or materials that could be damaged as a result.

The air inlet pipe should be insulated to reduce the possibility of condense forming on the outside of the pipe.

Vokèra can advise that the Gas Safe Technical Bulletin, TB 008, gives specific advice on the requirements for new installations with a flue routed within a void, where appropriate means for the gas engineer to visually check the flue must be incorporated (this is normally achieved by inspection hatches located in the ceiling).

The horizontal flue terminal packs (20122759 and 20122761) include a 'click-fit' 90 degree flue bend (2012901) that can only be used on the appliance, not elsewhere in the flue system. The vertical flue terminal box (20122763) contains a straight click-fit connector (code 20121902).

A 90 degree click fit bend (2012901) should be ordered separately if the flue is to be connected horizontally before terminating with a vertical terminal. A straight appliance connector (code 20121902) must be ordered as a separate item if the flue is to be connected vertically before terminated with a horizontal terminal length.

80mm parallel (Twin) flue systems

CODE	
20134830	ADAPTOR KIT FOR 'CLICK FIT' BOILERS
430	ADAPTOR KIT FOR ALL OTHER CONDENSING BOILERS
225805	HORIZONTAL TERMINAL & CONVERTER BOX
225810	VERTICAL TERMINAL & CONVERTER BOX
225820	250MM EXTENSION (PAIR)
225825	500MM EXTENSION (PAIR)
225830	1000MM EXTENSION (PAIR)
225835	2000MM EXTENSION (PAIR)
225840	45° BEND (PAIR)
225845	90° BEND (PAIR)
225850	DOUBLE PIPE BRACKET 80MM X 80MM (5 OFF)
225855	SINGLE PIPE BRACKET 80MM (5 OFF)
225765	FLAT ROOF FLASHING PLATE (390MM DIAMETER)
310	ADAPTOR KIT FOR AQUANOVA
29450178*	CONDENSATE TRAP KIT FOR AQUANOVA
29450176	VERTICAL COLLECTOR FOR AQUANOVA
29450177	HORIZONTAL COLLECTOR FOR AQUANOVA

**When ordering this product you will need to also order either the 29450176 or 29450177, depending on your installation requirements.*

For further information and advice please contact
Vokèra Technical Support on **01727 744000 (option 4)**.

Boiler and flue compatibility

60/100 concentric flue range

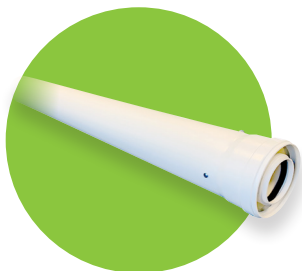
The 60/100 condensing range is suitable for all current Vokèra high efficiency (condensing) appliances.

60/100mm concentric flue systems

CODE	FEATURE
20122761	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT)
20131981	TELESCOPIC HORIZONTAL FLUE TERMINAL
20122759	STANDARD HORIZONTAL FLUE TERMINAL (XF)
20132063	STANDARD HORIZONTAL FLUE TERMINAL
20142842	PLUME MANAGEMENT KIT
29450131	PLUME MANAGEMENT KIT EXTENSION
20132059	90° BEND
20132058	45° BEND (PAIR)
20132060	500MM EXTENSION
20132061	1000MM EXTENSION
20132062	2000MM EXTENSION
20131979	TELESCOPIC EXTENSION
20135587	WALL BRACKETS (5 X 100MM)
20122763	VERTICAL FLUE TERMINAL (XV)
20131983	VERTICAL FLUE TERMINAL
20132050	PITCHED ROOF FLASHING PLATE
20135582	FLAT ROOF FLASHING PLATE
20132064	REAR FLUE TERMINAL
29450130	WHITE NOSE CONE
20142841	45° PLUME DIVERTER
20121903	VERTICAL ADAPTOR (CLICK FIT)
20121901	90° APPLIANCE BEND (CLICK FIT)



Horizontal flue terminal (XF)
60/100mm concentric flue
Code: 20122759



1000mm extension
60/100mm concentric flue
Code: 20132061

When used in the horizontal plane, the flue system (excluding horizontal terminal) should be installed so that it has a 3° fall-back to the boiler (51mm per metre). This will enable any condensate fluid that may form, to drain via the condensate connection/trap.

It can also be used as a replacement flue system on older / obsolete Vokèra HE appliances, however you should contact the Vokèra Technical Support for specific advice.

UNICA MAX C	VISION PLUS C	VIBE MAX C	UNICA MAX S	VISION PLUS S	VIBE MAX S	MYNUTE 20 VHE
✓	✓	✓	✓	✓	✓	✗
✗	✗	✗	✗	✗	✗	✓
✓	✓	✓	✓	✓	✓	✗
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✓	✓	✓	✓	✓	✓	✗
✓	✓	✓	✓	✓	✓	✗

(1) Models 25C & 30C only.



45° plume diverter
60/100mm concentric flue
Code: 20142841



Plume management kit
60/100mm concentric flue
Code: 20142842

Boiler and flue compatibility

80/125 concentric flue range

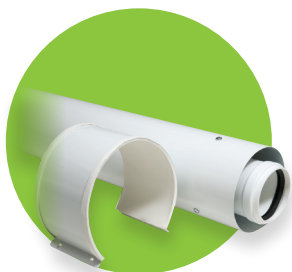
An adaptor is also required for other appliances to convert the flue outlet from 100mm to 125mm.

80/125mm concentric flue systems

CODE	FEATURE
413	HORIZONTAL TERMINAL
414	VERTICAL TERMINAL
415	90° BEND
416	45° BEND (SINGLE)
417 ⁽¹⁾	250MM EXTENSION
418	500MM EXTENSION
419	1000MM EXTENSION
420	2000MM EXTENSION
422 ⁽¹⁾	TELESCOPIC EXTENSION
423	WALL BRACKETS (5 X 125MM)
424	BOILER TOP ADAPTOR FOR HE APPLIANCES
425 ⁽¹⁾	FIXED OFFSET
426	SILICON LUBRICANT
20135582	FLAT ROOF FLASHING PLATE
20132050	PITCHED ROOF FLASHING PLATE



90° bend / 45° bend
80/125mm concentric flue
Code: 415 / 416



500 / 1000 / 2000mm extension
80/125mm concentric flue
Code: 418 / 419 / 420

Choosing the right control

Intelligent controls

Maximise energy and fuel savings

With the introduction of condensing technology, boilers have continued to increase in efficiency with most current appliances able to reach over 90% efficiency. However, the technology within boilers is now so advanced that, even with future developments, there is little chance of boiler efficiency percentages increasing much further.

The one area that can still help maximise the efficiency and overall performance of the boiler is the correct use of a control. Even with average efficiencies now reaching over 90%, this can be increased by a further 2%, with the simple addition of an outside weather compensation sensor for example.

Choosing the right control

There are a number of different controls available so establishing the most suitable one for your heating requirements may be confusing. Vokèra provide a range of controls that can be used with combi and system boilers, including: room thermostats, programmable room thermostats and the Hi, Comfort range that incorporates the most advanced technology available, such as weather compensation and OpenTherm.

Controls Compatibility

CODE	FEATURE
20193357	HI, COMFORT T100 WI-FI KIT ⁽¹⁾
1220559	OUTSIDE WEATHER COMPENSATION SENSOR & CONTROL INTERFACE
20101743	7 DAY RF PROGRAMMABLE ROOM THERMOSTAT
20063874	7 DAY RF PROGRAMMABLE ROOM THERMOSTAT (HARD-WIRED)
20059642	RF ROOM THERMOSTAT CONTROL

(1) Weather compensation – via physical sensor or Internet look up via Hi, Comfort App.

(2) Can be used on heating only applications – contact Vokèra Technical Support for advice.

The Vokèra Unica MAX, Vision Plus and Vibe MAX (via Bluetooth) combi boilers come with a built-in 7 day digital clock which enables different settings for each day of the week. Additional controls can be added to a combi if it needs to be sited in a difficult to access location or for energy saving purposes.

Controls course

This course can help you understand the principles of combustion and the fundamentals of how control technology can work in conjunction with boiler operation. The course covers the range of Vokèra intelligent and basic controls as well as the new Hi, Comfort T100 Internet enabled thermostat. The course explains how to connect and install the Hi, Comfort T100 as well as the possibilities of remote room temperature, zoning and boiler control and operation.

Course Covers:

- Principles of combustion, modulation and boiler operation
- System and radiator design considerations
- Appraisal of existing systems
- Customer considerations
- Hands on training on how to connect Vokèra controls (including Hi, Comfort T100 OpenTherm and weather compensation) to Vokèra boilers
- 'Boiler Plus' scheme.

To book your place on the controls course please call our training co-ordinator on **01727 744002** or email **training@vokera.co.uk**

UNICA MAX C	VISION PLUS C	VIBE MAX C	UNICA MAX S	VISION PLUS S	VIBE MAX S	MYNUTE 20 VHE
✓	✓	✓	✓ ⁽²⁾	✓ ⁽²⁾	✓ ⁽²⁾	✗
✓	✓	✓	✓	✓	✓	✗
✓	✓	✓	✓ ⁽²⁾	✓ ⁽²⁾	✓	✓ ⁽²⁾
✓	✓	✓	✓ ⁽²⁾	✓ ⁽²⁾	✓	✓ ⁽²⁾
✓	✓	✓	✓	✓	✓	✓

Choosing the right control

Providing energy saving solutions

How can controls improve the ErP efficiency

Differing types of controls are classified according to the 'uplift' in efficiency it brings to the appliance.

There are eight classes of control system, each adds an efficiency percentage to the boiler seasonal space heating ErP efficiency rating. That is how the package efficiency is calculated. Additional heaters such as a second boiler, heat pump or solar input will also adjust the package efficiency.

Class I – On/off room thermostat: A room thermostat that controls the on/off operation of a heater. Performance parameters, including switching differential and room temperature control accuracy are determined by the thermostat's mechanical construction.

Class II – Weather compensator control, for use with modulating heaters: A heater flow temperature control that varies the set point of the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. Control is achieved by modulating the output of the heater.

Class III – Weather compensator control, for use with on/off output heaters: A heater flow temperature control that varies the set point of the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. Heater flow temperature is varied by controlling the on/off operation of the heater.

All Unica MAX combis plus class VI controls (Hi, Comfort T100 with OpenTherm and weather compensation – via physical sensor or Internet look up) achieves an ErP A+ (98%) space heating package rating.

Controls and ErP classifications

CODE	DESCRIPTION
20059642	RF ROOM THERMOSTAT CONTROL
20193357	HI, COMFORT T100 WI-FI KIT
20101743	7 DAY RF PROGRAMMABLE ROOM THERMOSTAT
20063874	7 DAY RF PROGRAMMABLE ROOM THERMOSTAT (HARD-WIRED)
1220559	OUTSIDE WEATHER COMPENSATION SENSOR & CONTROL INTERFACE
PACKAGE/SYSTEM EFFICIENCY LABEL – UPLIFT	

(1) Weather compensation – via physical sensor or Internet look up via Hi, Comfort App. (2) When three or more zones in OpenTherm configuration. (3) When in OpenTherm configuration. (4) When used with modulating room thermostat.

Class IV – TPI room thermostat, for use with on/off output heaters: An electronic room thermostat that controls both thermostat cycle rate and in-cycle on/off ratio of the heater proportional to room temperature. TPI control strategy reduces mean water temperature, improves room temperature control accuracy and enhances system efficiency.

Class V – Modulating room thermostat, for use with modulating heaters: An electronic room thermostat that varies the flow temperature of the water leaving the heater dependent upon measured room temperature deviation from room thermostat set point. Control is achieved by modulating the output of the heater.

Class VI – Weather compensator and room sensor, for use with modulating heaters: A heater flow temperature control that varies the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. A room temperature sensor monitors room temperature and adjusts the compensation curve parallel displacement to improve room comfort. Control is achieved by modulating the output of the heater.

Class VII – Weather compensator and room sensor, for use with on/off output heaters: A heater flow temperature control that varies the flow temperature of water leaving the heater dependent upon prevailing outside temperature and selected weather compensation curve. A room temperature sensor monitors room temperature and adjusts the compensation curve parallel displacement to improve room comfort. Heater flow temperature is varied by controlling the on/off operation of the heater.

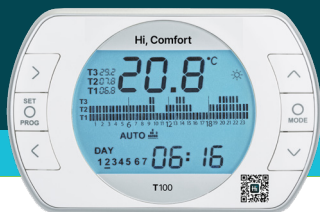
Class VIII – Multi-sensor room temperature control, for use with modulating heaters: An electronic control, equipped with three or more room sensors that varies the flow temperature of the water leaving the heater dependent upon the aggregated measured room temperature deviation from room sensor set points. Control is achieved by modulating the output of the heater.

CLASS I	CLASS II	CLASS III	CLASS IV	CLASS V	CLASS VI	CLASS VII	CLASS VIII
✓	✗	✗	✗	✗	✗	✗	✗
✗	✗	✗	✗	✓	✓ ⁽¹⁾	✗	✓ ⁽²⁾
✓	✗	✗	✗	✓ ⁽³⁾	✗	✗	✗
✓	✗	✗	✗	✓ ⁽³⁾	✗	✗	✗
✗	✓	✗	✗	✗	✓ ⁽⁴⁾	✗	✗
1%	2%	1.5%	2%	3%	4%	3.5%	5%



HI, COMFORT is the new connected digital infrastructure designed to deliver a brand new home comfort experience.

Hi, Comfort



Not just an App or a family of smart devices, but a new way to manage comfort inside the home, putting people at the heart of the system.

With HI, COMFORT connected solutions you can fully exploit the features of your heating system, saving money and live in a “smart” environment.

HI, COMFORT family is in continuous evolution and new solutions and services are frequently added to make you experience even “smarter” and more unique.



Control home heating from anywhere, via smartphone or tablet



Compatible with the majority of boiler brands, not just Vokèra (T100 only)



Manage up to 8 different heating zones from anywhere in the world (T100 only)



Weather compensation adjusts boiler output to reflect ambient climate



Programme up to 3 comfort levels, suiting mood or pocket (T100 only)



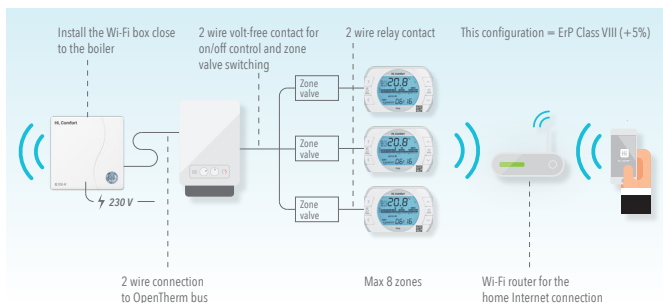
Hi, Comfort alerts the customer if something goes wrong, minimising disruption

Learn more about Hi, Comfort at www.hi-comfort.com/en/

Typical OpenTherm multi-zone configuration

Programmable Wi-Fi Thermostat for Zone

Valve Control and Boiler OpenTherm Connection



Scan the QR code
to watch the video



Hi, Comfort Accesories:

CODE		DESCRIPTION
20193357		HI, COMFORT T100 WI-FI COMPLETE KIT FOR WI-FI INSTALLATION, CONTAINING THE T100 THERMOSTAT AND G100-W GATEWAY. PACKAGE INCLUDES BATTERIES, CABLES, POWER ADAPTOR, SCREWS, FIXINGS, DOUBLE-SIDED TAPE, MAGNETIC TAPE AND TECHNICAL INSTRUCTIONS.
20193352		HI, COMFORT T100 ROOM THERMOSTAT T100 IDEAL FOR REPLACEMENT AND NEW BUILDINGS, BOTH FOR SINGLE ZONE AND FOR MULTI-ZONES APPLICATION. THE T100 CAN BE CONNECTED TO THE INTERNET COUPLED WITH HI, COMFORT G100-W (OPTIONAL). PACKAGE INCLUDES BATTERIES, SCREWS, FIXINGS, DOUBLE-SIDED TAPE AND TECHNICAL INSTRUCTIONS.
20168501		HI, COMFORT K100 SMART KEY⁽¹⁾ THE K100 IS A GATEWAY THAT CONNECTS TO HOME WI-FI. ONCE PAIRED WITH THE HI, COMFORT APP AND THE BOILER, THE USER CAN: SET THE DOMESTIC HOT WATER TEMPERATURE, SET THE TEMPERATURE OF THE HEATING SYSTEM, TURN OFF THE HEATING SYSTEM, MONITOR THE OPERATING HOURS OF THE BOILER.
20193355		HI, COMFORT G100-W THE G100-W GATEWAY IS THE DEVICE PERMITTING INTERNET CONNECTION THROUGH THE HOME WI-FI NETWORK. IT ALSO ALLOWS AN OPENTHERM CONNECTION WITH THE BOILER FOR ADVANCED REMOTE CONTROL. PACKAGE INCLUDES CABLES, POWER ADAPTOR AND, DOUBLE-SIDED TAPE.
20193356		HI, COMFORT G100-R RADIO-FREQUENCY (RF) BASED DEVICE ALLOWING WIRELESS CONNECTION OF THE T100 TO THE BOILER (BOTH FOR ON/OFF OR THROUGH THE OPENTHERM BUS). IT CAN BE USED AS WELL WHEN A POOR WI-FI SIGNAL PREVENTS THE INSTALLATION OF THE G100-W GATEWAY CLOSE TO THE BOILER.

(1) Compatible with Vibe MAX C

For more information and technical details please contact Vokèra Technical Support or visit: www.hi-comfort.com/en/

Choosing the right control

Intelligent energy saving controls



Outside weather compensation sensor

The outside weather compensation sensor manages the central heating temperature by regulating the boiler flow temperature depending on the external weather conditions, providing a consistent and comfortable room temperature.

All current Vokèra combination boiler models can have dual temperature weather compensation, meaning that by simply purchasing the external sensor, the homeowner can benefit from even further energy savings.

The weather compensation sensor can also be installed in conjunction with the Vokèra OpenTherm programmable room thermostat which will further enhance energy savings.



7 day RF programmable room thermostat

This on / economy / off programmable room thermostat allows easy control over boiler heating timings and temperatures over a 7 day period. It has been developed to work with our current range of appliances⁽¹⁾ and is also compatible with several discontinued products.

RF (wireless) and hard-wired versions are available to ensure a simple installation to both new boilers and as a replacement for existing wired controls. This room thermostat can be configured as a 7 day programmer, a 5+2 day programmer with up to 24 temperature changes a day or as an untimed room thermostat.

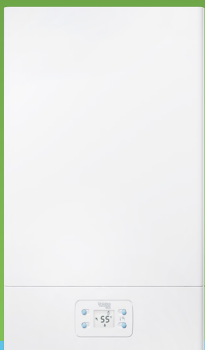


OpenTherm Inside

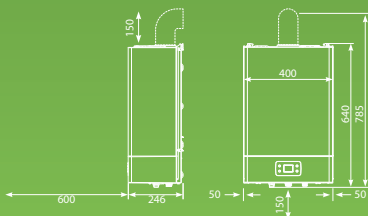
(1) See 'Controls Compatibility' table on p28. For discontinued product compatibility please contact Vokèra Technical Support. (2) Contact Vokèra Technical Support for advice.

AquaNova LE

Instantaneous multipoint water heater



Dimensions and Clearances (mm)





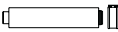





*From casing or 25mm above flue elbow (whichever is applicable)

Specifications	AQUANOVA LE
PRODUCT ORDER CODE (NATURAL GAS)	20143490
PRODUCT ORDER CODE (LPG)	20143493
DOMESTIC HOT WATER	
MAXIMUM HEAT INPUT (kW)	30.0
FLOW RATE - 35°C RISE (L/MIN)	13.2
WEIGHT	
DRY WEIGHT (KG)	21
EFFICIENCY	
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/82.0

NB: For every 60/100mm concentric flue 45° and 90° bend deduct 1.5m from flue length.
For every twin flue 45° and 90° bend deduct 1m from the flue length.

Flue lengths		AQUANOVA LE
FLUE DETAILS (CONCENTRIC)		
MAX HORIZONTAL FLUE LENGTH (60/100MM)		2.6M
MAX VERTICAL FLUE LENGTH (60/100MM)		3.6M
FLUE DETAILS (TWIN PIPES)		
MAX HORIZONTAL FLUE LENGTH (80MM/80MM)		6M/6M + TERMINAL
MAX VERTICAL FLUE LENGTH (80MM/80MM)		6M/6M + TERMINAL

Horizontal and vertical flue options (60/100)		
COMPONENT	DESCRIPTION	CODE
	HORIZONTAL FLUE TERMINAL	20163408
	90° BEND	20163333
	45° BEND (PAIR)	20163332
	750MM EXTENSION	20163392
	1500MM EXTENSION	20163394
	WALL BRACKETS (5 X 100MM)	20135587
	VERTICAL FLUE TERMINAL	20163423
	PITCHED ROOF FLASHING PLATE	20132050
	STANDARD JOINT CLIPS (100MM X 45MM)	20163425
	LONG JOINT CLIPS (100MM X 80MM)	2359169

(1) Subject to registration and annual service, terms and conditions apply.

(2) Consider depth of boiler model.



ErP Compliant



2 Year Warranty⁽¹⁾



Instant Hot Water



High Flow Rate

Air Source Heat Pumps and indirect unvented cylinders

NXHM



Outputs (kW): 4 - 6 - 8 - 10 - 12 - 14 - 16

The Riello NXHM air source heat pumps are ideal for new build and retrofit applications, and with their minimal installation preparation they are an increasingly popular renewable technology. Utilising ambient air and upgrading it to a more useful temperature between 35°C and 65°C ⁽¹⁾ makes NXHM a perfect solution for underfloor heating systems, oversize radiators, domestic hot water and heating swimming pools.

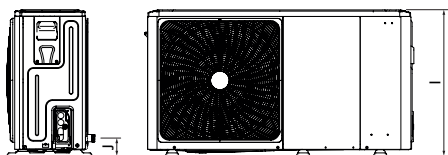
NXHM heat pumps have a coefficient of performance of up to 5.1 (1kW of electricity used to generate 5.1kW of heat). It is supplied with built-in external sensor, supplementary external sensor and remote control to maximise efficiency.

The new NXHM supplied with R32 refrigerant helps the unit operate more sustainably and effectively. Thanks to lower Global Warming Potential (GWP) and reduced charge volume, R32 provides the perfect solution being not only more environmentally friendly having lower CO₂ emissions but also higher energy efficiency in comparison with standard refrigerant e.g. R410A. Three-phase versions for 12, 14 and 16kW units.

- MCS Certified
- ErP Class A++ (55°C) / A+++ (35°C)
- Coefficient of performance (CoP) up to 5.1
- Ideal for new build and retrofit applications
- Simple installation with minimum installation preparation
- Ideal for underfloor heating, oversize radiators, DHW and heating swimming pools
- High performance, achieving temperatures up to 65°C ⁽¹⁾
- Design service available

(1) Max heating flow temp is 60°C and max hot water flow temp is 65°C

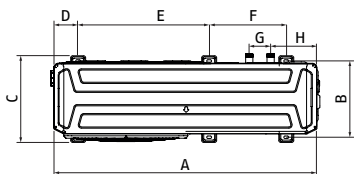
NXHM 004-006



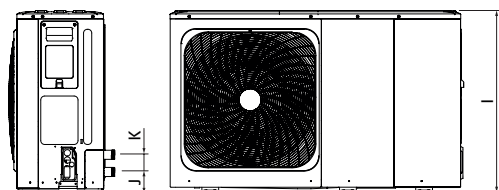
Width: 1295mm

Depth: 426mm

Height: 718mm



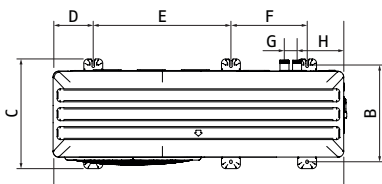
NXHM 008-016



Width: 1385mm

Depth: 523mm

Height: 865mm



Dimensions

	uom	4	6	8	10	12
PRODUCT CODE		20191936	20191940	20191942	20191943	20191944
W - WIDTH	MM	1295	1295	1385	1385	1385
D - DEPTH	MM	426	426	523	523	523
H - HEIGHT	MM	718	718	865	865	865
NET WEIGHT	KG	86	86	105	105	129

Dimensions

	uom	14	16	12T	14T	16T
PRODUCT CODE		20191945	20191946	20191947	20191948	20191949
W - WIDTH	MM	1385	1385	1385	1385	1385
D - DEPTH	MM	523	523	523	523	523
H - HEIGHT	MM	865	865	865	865	865
NET WEIGHT	KG	129	129	144	144	144

Condensing commercial boiler








Outputs (kW): 57 – 131 (cascades up to 1.1MW)

The Condexa Pro is Vokèra by Riello's range of condensing light commercial boilers. These fully modulating condensing boilers are available in 6 models (57 P, 70 P, 90, 100, 115 & 135). The Condexa Pro is extremely versatile and is suitable for a wide range of commercial applications, including churches, schools, offices, hotels and many more. The flexible nature of the Condexa Pro means it can easily integrate with renewable solutions to maximise energy savings.

- New condensing heat exchanger in stainless steel
- Complete pre-mix combustion and low NOx emissions: Class 6 (EN 15502)
- It is possible to cascade up to 1120kW (using the embedded 'Managing/Dependant' control logic)
- Thanks to our embedded 'Managing/Dependant' control logic, any boiler can be configured either as the 'Managing' or as a 'Dependant' boiler within the cascade (same product code)
- All boilers have built-in thermoregulation with external probe supplied as standard
- It is possible to combine Condexa Pro boilers in linear or back-to-back cascade applications
- It is possible to use either low energy pumps (also Δt logic) or 2-way valves on the primary circuit
- Modulating and modular power regulation
- Automatic burner ignition sequence reversal (at adjustable steps)
- Simultaneous control of two different circuits: DHW tank and high temperature

- Management of up to 16 zones through an optional kit
- Automatic summer/winter switch-over
- 'Anti-legionella' function as standard
- Suitable for remote control management (0-10V input or Modbus) via optional kit
- Availability of a wide range of accessories and flue options for complete configurations
- Can be converted to LPG through LPG kit supplied as standard

Our Condexa Pro models 90, 100, 115 and 135 are listed on the ECA Energy Technology List (ETL), allowing end client businesses to claim tax relief on the boiler. To discuss your project with Vokèra by Riello's dedicated commercial team, email: commercial@vokera.co.uk

NG code	Model	Dimensions H x W x D (mm)	Flue gas (Ømm)	Input min-max ncv* (gcv)**(kw)	Class 
20115223	CONDEXA PRO 57 P	1000 X 600 X 435	80	14.0 - 57.0 (63.0)	A 
20115224	CONDEXA PRO 70 P	1000 X 600 X 435	80	14.0 - 68.0 (76.0)	A 
20115225	CONDEXA PRO 90	1000 X 600 X 435	110	19.4 - 90.0 (100.0)	A 
20115226	CONDEXA PRO 100	1000 X 600 X 435	110	19.4 - 97.0 (108.0)	A 
20115228	CONDEXA PRO 115	1170 X 600 X 435	110	22.4 - 112 (124.0)	
20115229	CONDEXA PRO 135	1170 X 600 X 435	110	26.2 - 131 (146.0)	

(*) NCV = Net Calorific Value or Lower Calorific Value (NCV)

(**) GCV = Gross Calorific Value or Higher Calorific Value (HCV)



5 Year Warranty



Cascade Up To 1.1MW



Gas or LPG

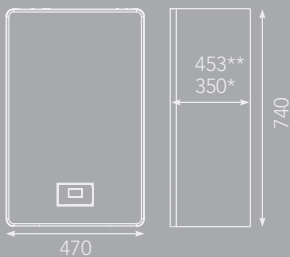


NO_x Class 6

Condensing light commercial boiler



Dimensions (mm)



*Models 35 & 45
**Models 55 & 70

Outputs (kW): 35 – 70 (cascades up to 280kW)

Thanks to both to the compact design and the reduced weight, Condexa HPR is the ideal answer in all those situations where space is a critical factor for the choice of heat generator.

The range consists of 4 condensing models, from 35 up to 70 kW, that can be configured as both stand alone or as a cascade installation of up to 4 thermal modules with either LINEAR or BACK-TO-BACK configurations, reaching up to 280kW. There are 28 possible configurations in total.

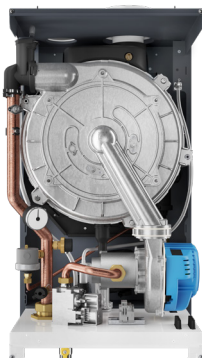
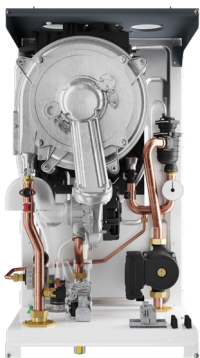
Range suitable both for indoor and partially covered external environments (IPX5D) as well as being equipped with low consumption modulating pumps as standard.

To support the designer in identifying the best solution, Riello has developed a configuration software to support the selection process of accessories specifically developed for this system.

- New stainless steel heat exchanger with low water content
- It is possible to combine Condexa HPR boilers in linear or back-to-back cascade applications
- Sealed chamber configuration as standard
- Premixed burner with low emissions
- Compact and lightweight structure
- Complete front accessibility for maintenance operations

35 & 45 kW

55 & 70 kW



NG code	Model	Dimensions H x W x D (mm)	Nominal heat output 80/60°C (50/30°C)	Class
20199400	CONDEXA HPR 35	740 X 470 X 350	4.98 - 33.99 (37.31)	A
20199401	CONDEXA HPR 45	740 X 470 X 350	4.98 - 43.88 (47.30)	A
20190067	CONDEXA HPR 55	740 X 470 X 453	7.87 - 53.60 (58.25)	A
20190068	CONDEXA HPR 70	740 X 470 X 453	7.87 - 68.20 (74.19)	A



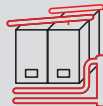
STAND ALONE
CONFIGURATION

4



LINEAR CASCADE
CONFIGURATION

12



BACK-TO-BACK CASCADE
CONFIGURATION

12



5 Year Warranty



Cascade Up
To 280kW



Gas or LPG



NO_x Class 6

Modular floor standing gas condensing system



Steel Pro Power is a modular floor standing gas condensing system, conceived and developed with the aim of maximising flexibility and simplicity of installation, ensuring the continuity of service typical of modular systems. With a wide range of accessories, Steel Pro Power can be installed either in single configuration (from 114 up to 540kW) or in cascade (from 655 up to 1310kW). The cabinets consist of an anodised aluminium frame assembly and painted panels containing 2,3 or 4 heat engines (depending on the model). All models are internally equipped with hydraulic, gas, condensate and flue exhaust manifolds. The power supplied by the individual modules is managed with the new electronics control, compatible with the Modbus protocol.

- In conformity with Directive 2009/125/EC
- Condensing modular thermal units for indoor applications (outdoor with optional kit) consisting of painted technical cabinet, heat engines from 57kW up to 131kW and system accessories
- Low emissions, NOx Class 6 (EN 15502)
- Linear or curved climatic adjustment, in combination with the external sensor
- Management of cascade modules inside the cabinet
- Management of boiler cascades with Managing / Dependant logic
- Power control for operation a Δt constant
- ACS production management and direct circuit
- It is possible to expand the system through accessory control with additional heating zones (direct / mixed)

- Modulating pumps control (PWM / 0-10 V)
- Remote management via Modbus
- External power control via 0-10 V input
- Control panel features a multilingual, multi-level tree menu
- Management of user profiles protected by a password
- Large backlit screen, 255×80 pixels
- Management of weekly time schedules
- Boiler error history

Description	Power [kW]			Efficiency %			Code
	USEFUL 80°/60° MAX	USEFUL 50°/30° MAX	MIN-MAX	NET AT NOMINAL OUTPUT (80/60°C)	USEFUL PN (50/30°C)	USEFUL 30% PN (50/30°C)	
SPP 114-2 P	111.4	123.8	13.7-114	97.7	108.6	109.4	20138572
SPP 140-2 P	134.0	147.8	13.7-136	98.5	108.1	109.3	20138573
SPP 180-2 P	176.6	194.8	19.4-180	98.1	108.3	108.9	20138574
SPP 230-2 P	219.6	242.2	22.4-223.2	98.4	108.6	108.9	20138575
SPP 270-2 P	258.0	284.2	26.3-262	98.5	108.3	109.4	20138576
SPP 300-3 P	285.9	315.3	19.4-291	98.2	108.2	108.9	20138577
SPP 345-3 P	329.4	363.6	22.4-334.8	98.4	108.6	108.9	20138578
SPP 405-3 P	387.0	426.3	26.3-393	98.5	108.3	109.4	20138579
SPP 460-4 P	439.2	484.4	22.4-446.4	98.4	108.6	108.9	20138580
SPP 540-4 P	516.0	568.4	26.3-524	98.5	108.3	109.4	20138581





5 Year Warranty



Up To 1.3MW



Pre-Built Unit



NO_x Class 6

How to **contact us**



Technical

technical@vokera.co.uk
01727 744028



Training

training@vokera.co.uk
01727 744002



Spares

spares@vokera.co.uk
01727 744000



Customer Care

custservice@carrier.com
01274 866100



Sales

sales@vokera.co.uk
01727 744000



Marketing Support

marketing@vokera.co.uk



Pre Sales

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Vokera Affinity

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Heating and Hotwater Industry Council

Tel: 01926 513777

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