

Product Guide



Discover our comprehensive range of **residential** and **light commercial** heating solutions—designed to deliver comfort, efficiency and reliability for every space.

COMBI BOILERS | SYSTEM BOILERS | AIR SOURCE HEAT PUMPS

WATER HEATERS | COMMERCIAL | TRAINING & SUPPORT

Vokèra by Riello

Product range at a glance

Combi Boilers



System Boilers



Water Heaters



Air Source Heat Pumps



Commercial Products



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Domestic heating solutions

About Us

For over 40 years, Vokèra has been a trusted name in home heating across the UK and Ireland. With every boiler rigorously tested before leaving the factory, Vokèra delivers complete peace of mind and long-term reliability.

As part of the Riello, Vokèra benefits from world-class expertise and innovation in heating technology. Dedicated to the needs of UK and Irish households, Vokèra is the brand of choice for homeowners, installers, merchants, and specifiers alike.

Driven by continuous innovation, Vokèra leads the way in energy-efficient heating solutions. With a commitment to quality, reliability, and sustainability, Vokèra offers the complete home heating package - today and for the future.



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 exchangers, found across our boiler range, is a single piece component manufactured from superior quality stainless steel. It is a 'two pass' exchangers 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 access servicing.



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



The **Pinnacle** and **Synergy** range features ACC (Active Combustion Control). The Pinnacle and Synergy range features ACC (Active Combustion Control), which uses the burner electrode ionisation current to monitor combustion within the boiler. The calorific properties of the gas affects the ionisation signal and adjusts the air/gas mix in order to maintain a specific ionisation value; the **Pinnacle** and **Synergy** will use less gas when the quality is high. This optimises gas consumption and reduces emissions without sacrificing performance.

Safety is the most important consideration with any gas appliance, so the **Pinnacle** and **Synergy** take this a step further by continually monitoring CO production. If elevated CO levels are ever detected, the system will automatically shut down and remain off until the issue has been fully resolved.

New sustainable and recyclable packaging

Vokèra's commitment to creating environmentally friendly heating solutions now extends to packaging. All new-generation Vokèra boilers, comes in FSC-certified, plastic-free, and fully recyclable cardboard, further reducing the environmental impact of our products.

All our boiler cardboard packaging is made from a mix of materials sourced from FSC-certified forests, recycled content, and/or FSC-controlled wood.



Support

After sales support / spares



Customer care team – 0344 391 0999 (option 2)

We pride ourselves on providing a first class after sales service with a dedicated customer care centre, 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
- One point of contact to report and discuss service issues
- Full audit trail to track service call

Technical support – 0344 391 0999 (option 4)

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

Sales Enquiries – 0344 391 0999 (option 1)

Spare parts – 0344 391 0999 (option 3)

Vokèra
GENUINE PARTS
BY **RIELLO**



Product warranty

As with all domestic gas boilers, an annual service is required 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.*



WIN A BRAND NEW FORD E-TRANSIT CUSTOM VAN... WITH VokèraAffinity

Affinity
20TH
ANNIVERSARY



If you are a gas installer registered with Gas Safe Register then why not become a member of **Vokèra Affinity**.

With just one simple online registration you can register your product installation with **Vokèra** to receive **FREE Gas Safe notification**, annual service reminder, as well as other installer rewards and benefits.

Not yet a member? Sign up today!



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

Any questions?

Email: installers@vokeraaffinity.co.uk

Thousands of installers have been benefiting from Affinity since its launch in 2006 and to celebrate Affinity's **20 year anniversary**, 2026 has even **BIGGER** rewards, so become a member of **Vokèra Affinity** today and take advantage of the many installer rewards and 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⁾.

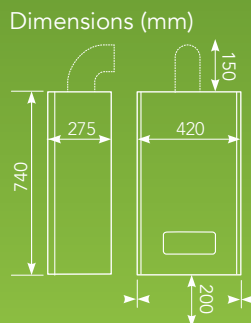
Annual Service Reminder – We'll let you know when your installations are due for their annual service.

Turn Your Points Into Vouchers – Giving you even more rewards for the work you already do.

(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



Specifications	25C	30C	35C
PRODUCT ORDER CODE	20207903	20207904	20207905
CENTRAL HEATING			
HEAT INPUT (kW)	20.0	25.0	30.0
MAX HEAT OUTPUT 80/60°C (kW)	19.5	24.4	29.3
MIN HEAT OUTPUT 80/60°C (kW)	1.77	2.57	2.57
MAX HEAT OUTPUT 50/30°C (kW)	21.3	26.5	31.8
MIN HEAT OUTPUT 50/30°C (kW)	1.96	2.84	2.84
DOMESTIC HOT WATER			
HEAT INPUT (kW)	25.0	30.0	34.9
MIN HEAT INPUT (kW)	1.9	2.7	2.7
FLOW RATE - 35°C RISE (L/MIN)	10.2	12.3	14.3
MINIMUM FLOW RATE (L/MIN)	2.0	2.0	2.0
MAXIMUM PRESSURE (BAR)	8	8	8
MINIMUM PRESSURE (BAR)	0.5	0.5	0.5
WEIGHT			
DRY WEIGHT (KG)	29	30	30
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY	A/94	A/94	A/94
ErP WATER HEATING EFFICIENCY	A/85	A/85	A/87
SAP 2009/2012 EFFICIENCY (%)	89.4	89.4	89.9
NO _x CLASS	6	6	6

Accessories

DESCRIPTION	CODE
HI, COMFORT T100 WI-FI KIT	20193357
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	20210558

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

Flue lengths	25C	30C	35C
FLUE DETAILS (CONCENTRIC)			
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	10M	8M	8M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	11M	9M	9M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	25M	20M	20M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	25M	20M	20M
FLUE DETAILS (TWIN)			
MAX HORIZONTAL / VERTICAL FLUE LENGTH (80MM/80MM)	69M/69M	36M/36M	36M/36M
Horizontal and Vertical Flue Options (60/100)			
COMPONENT	DESCRIPTION	CODE	
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽¹⁾	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 34.



High performance



Excellent DHW comfort



New digital touchpad interface



12 years warranty as standard⁽¹⁾



Silent operation



Easy installation and maintenance



Compact design

Scan the QR code to watch the video



⁽¹⁾ Subject to registration and annual service.

High efficiency combi boiler



Specifications	25C	30C	35C
PRODUCT ORDER CODE	20207896	20207897	20207898
CENTRAL HEATING			
HEAT INPUT (kW)	20.0	25.0	30.0
MAXIMUM HEAT OUTPUT 80/60°C (kW)	19.5	24.4	29.3
MINIMUM HEAT OUTPUT 80/60°C (kW)	2.3	2.9	3.4
MAXIMUM HEAT OUTPUT 50/30°C (kW)	21.3	26.5	31.8
MINIMUM HEAT OUTPUT 50/30°C (kW)	2.6	3.2	3.7
DOMESTIC HOT WATER			
HEAT INPUT (kW)	25.0	30.0	34.9
MIN HEAT INPUT (kW)	2.5	3.0	3.5
FLOW RATE – 35°C RISE (L/MIN)	10.2	12.3	14.3
MINIMUM FLOW RATE (L/MIN)	2.0	2.0	2.0
MAXIMUM PRESSURE (BAR)	8	8	8
MINIMUM PRESSURE (BAR)	0.5	0.5	0.5
WEIGHT			
DRY WEIGHT (KG)	29	30	30
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY	A/94	A/94	A/94
ErP WATER HEATING EFFICIENCY(CLASS/%)	A/85	A/85	A/87
SAP 2009/2012 EFFICIENCY (%)	89.4	89.4	89.9
NO _x CLASS	6	6	6

Accessories

DESCRIPTION	CODE
Hi,COMFORT100 WI-FI KIT	20193357
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	20210558

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

Flue lengths	25C	30C	35C
FLUE DETAILS (CONCENTRIC)			
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	10M	8M	8M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	11M	9M	9M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	25M	20M	20M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	TBA	TBA	TBA
FLUE DETAILS (TWIN)			
MAX HORIZONTAL/VERTICAL FLUE LENGTH (80MM/80MM)	69M/69M	36M/36M	36M/36M

Horizontal and Vertical Flue Options (60/100)

COMPONENT	DESCRIPTION	CODE
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM – 575MM ⁽¹⁾	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 34.



High performance



Stainless steel heat exchanger



10 years warranty as standard⁽¹⁾



Compact design



New digital touchpad interface



Easy installation and maintenance

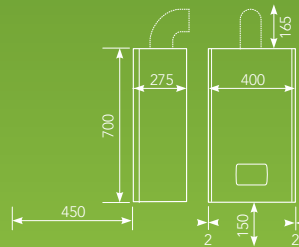
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⁽¹⁾ Subject to registration and annual service.

High efficiency combi boiler

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
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
SPACING FRAME	20121903
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 ⁽¹⁾	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 34.



OpenTherm
Inside



Universal pipe
layout



7 years warranty
as standard⁽¹⁾



Built-in filling
loop



Stainless steel heat
exchanger



Converts to
LPG

Scan the
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the video

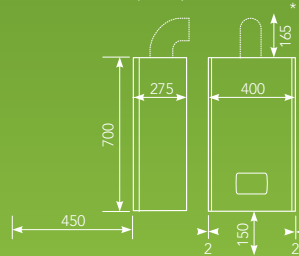


⁽¹⁾ Subject to registration and annual service.

High efficiency combi boiler



Dimensions and Clearances (mm)



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

Specifications

	25C	29C
PRODUCT ORDER CODE (NATURAL GAS)	20194979	20195434
PRODUCT ORDER CODE (LPG)	20194980	20195483
CENTRAL HEATING		
HEAT INPUT (kW)	20	25
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.38	24.38
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	20.92	26.78
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,COMFORT1100 WI-FI KIT	20193357
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
SPACING FRAME	20121903

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

Flue lengths	25C	29C
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 ⁽¹⁾	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 34.



OpenTherm
Inside



Universal pipe
layout



5 years warranty
as standard⁽¹⁾



Compact
design



Stainless steel heat
exchanger



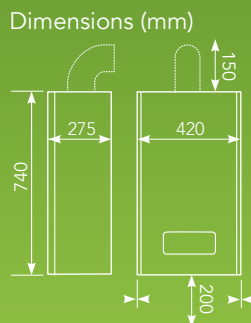
Converts to
LPG

Scan the
QR code
to find
out more



⁽¹⁾Subject to registration and annual service.

High efficiency system boiler



Specifications	20S	25S	32S
PRODUCT ORDER CODE	20207906	20207907	20207908
CENTRAL HEATING			
HEAT INPUT (kW)	20.0	25.0	30.0
MAX HEAT OUTPUT 80/60°C (kW)	19.5	24.4	29.3
MIN HEAT OUTPUT 80/60°C (kW)	1.77	2.57	2.57
MAX HEAT OUTPUT 50/30°C (kW)	21.3	26.5	31.8
MIN HEAT OUTPUT 50/30°C (kW)	1.96	2.84	2.84
WEIGHT			
DRY WEIGHT (KG)	28	28	29
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY	A/94	A/94	A/94
ErP WATER HEATING EFFICIENCY	-	-	-
SAP 2009/2012 EFFICIENCY (%)	90.3	90.2	90.2
NO _x CLASS	6	6	6

Accessories	
DESCRIPTION	CODE
HI, COMFORT T100 WI-FI KIT	20193357
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	20210558

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

Flue lengths	20S	25S	32S
FLUE DETAILS (CONCENTRIC)			
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	10M	8M	8M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	11M	9M	9M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	25M	20M	20M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	25M	20M	20M
FLUE DETAILS (TWIN)			
MAX HORIZONTAL / VERTICAL FLUE LENGTH (80MM/80MM)	69M/69M	36M/36M	36M/36M
Horizontal and Vertical Flue Options (60/100)			
COMPONENT	DESCRIPTION	CODE	
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM - 575MM ⁽¹⁾	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 34.



High performance



Excellent DHW comfort



New digital touchpad interface



12 years warranty as standard⁽¹⁾



Silent operation



Easy installation and maintenance



Compact design

Scan the QR code to watch the video



⁽¹⁾ Subject to registration and annual service.

High efficiency system boiler



Specifications	20S	25S	32S
PRODUCT ORDER CODE	20174726	20174728	20174729
CENTRAL HEATING			
HEAT INPUT (kW)	20	25	30
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.4 / 2.34	24.4 / 2.87	29.2 / 3.36
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	21.3 / 2.57	27.0 / 3.19	32.3 / 3.71
WEIGHT			
DRY WEIGHT (KG)	28	28	29
EFFICIENCY			
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/94	A/94	A/94
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
PRE FIXING JIG	20177531
CONDENSATE PUMP	404
SPACING FRAME	20210558

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

Flue lengths	20S	25S	32S
FLUE DETAILS (CONCENTRIC)			
MAXIMUM HORIZONTAL FLUE LENGTH 60/100MM	10M	8M	8M
MAXIMUM VERTICAL FLUE LENGTH 60/100MM	11M	9M	9M
MAXIMUM HORIZONTAL FLUE LENGTH 80/125MM	25M	20M	20M
MAXIMUM VERTICAL FLUE LENGTH 80/125MM	25M	20M	20M
FLUE DETAILS (TWIN)			
MAX HORIZONTAL/VERTICAL FLUE LENGTH (80MM/80MM)	69M/69M	36M/36M	36M/36M
Horizontal and Vertical Flue Options (60/100)			
COMPONENT	DESCRIPTION	CODE	
	TELESCOPIC HORIZONTAL FLUE TERMINAL (XT) 400MM – 575MM ⁽¹⁾	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 34.



High performance



Stainless steel heat exchanger



10 years warranty as standard⁽¹⁾



Compact design



New digital touchpad interface



Easy installation and maintenance

Scan the QR code to watch the video

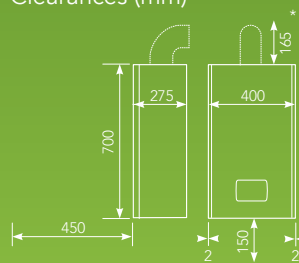


⁽¹⁾ Subject to registration and annual service.

High efficiency system boiler



Dimensions and Clearances (mm)



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

Specifications

	20S	25S
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
OUTSIDE WEATHER COMPENSATION SENSOR	1220559
SPACING FRAME	20121903
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 ⁽¹⁾	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 34.



OpenTherm
Inside



Universal pipe
layout



7 years warranty
as standard⁽¹⁾



Built-in filling
loop



Stainless steel heat
exchanger



Converts to
LPG

Scan the
QR code
to watch
the video

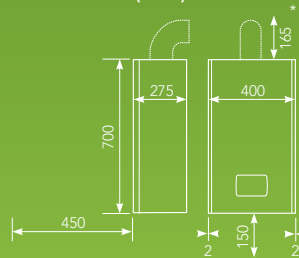


⁽¹⁾ Subject to registration and annual service.

High efficiency system boiler



Dimensions and Clearances (mm)



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

Specifications

	20S	25S
PRODUCT ORDER CODE	20195435	20195436
CENTRAL HEATING		
HEAT INPUT (kW)	20	25
HEAT OUTPUT @ 80/60°C (kW) (MAX/MIN)	19.38/2.94	24.38/3.79
HEAT OUTPUT @ 50/30°C (kW) (MAX/MIN)	20.9/2/3	26.78/4
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
SPACING FRAME	20121903
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 ⁽¹⁾	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 34.



OpenTherm
Inside



Universal pipe
layout



5 years warranty
as standard⁽¹⁾



Compact
design



Stainless steel heat
exchanger



Converts to
LPG

Scan the
QR code
to find
out more



⁽¹⁾ Subject to registration and annual service.

Domestic boiler feature chart

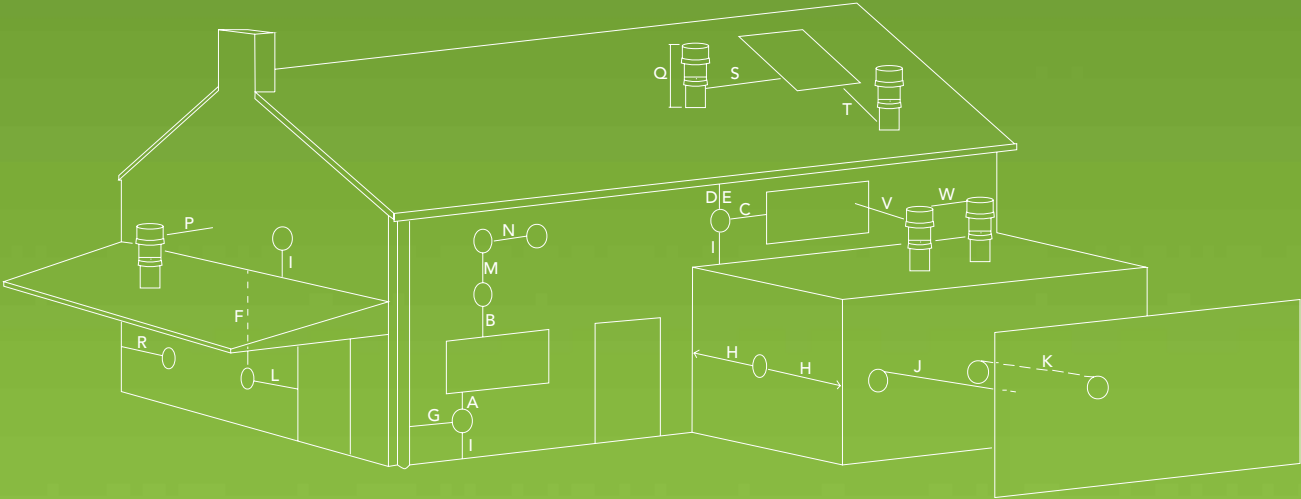
Use this product feature reference chart to quickly identify what Vokèra product provides the ideal solution for your heating and domestic hot water requirements.

Product features								
	PINNACLE C	SYNERGY C	VIBE MAX C	EASI-HEAT I C	PINNACLE S	SYNERGY S	VIBE MAX S	EASI-HEAT I S
12 YEAR WARRANTY	✓	✗	✗	✗	✓	✗	✗	✗
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	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓
BUILT-IN FILLING LOOP	✓	✓	✓	✓	✗	✗	✗	✗
PRE-HEATED HOT WATER	✓	✓	✓	✓	✗	✗	✗	✗
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	✓	✓	✓	✓	✓	✓	✓	✓

Flue options

Terminal positions

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



Flue exit clearances

FLUE EXITS		MINIMUM DISTANCE
A	BELOW AN OPENING*	300MM
B	ABOVE AN OPENING*	300MM
C	TO THE SIDE OF AN OPENING*	300MM
D	BELOW GUTTERS, DRAIN PIPE ETC	25MM
E	BELOW EAVES	25MM
F	BELOW THE LOWEST POINT OF CARPORT ROOF	25MM
G	TO SIDE OF A VERTICAL SOIL/DRAIN PIPE ETC	25MM (60MM FOR 80/125 FLUE)
H	FROM INTERNAL OR EXTERNAL CORNER OR BOUNDARY	25MM (60MM FOR 80/125 FLUE)
I	ABOVE GROUND, ROOF OR BALCONY LEVEL	300MM
J	FROM A SURFACE OR BOUNDARY FACING A TERMINAL	600MM**
K	FROM A TERMINAL FACING A TERMINAL	1200MM
L	FROM AN OPENING IN THE CARPORT INTO THE BUILDING	1200MM
M	VERTICALLY FROM A TERMINAL ON THE SAME WALL	1500MM
N	HORIZONTALLY FROM A TERMINAL ON THE SAME WALL	300MM
P	FROM A STRUCTURE TO THE SIDE OF A VERTICAL TERMINAL	300MM
Q	FROM THE TOP OF A VERTICAL TERMINAL TO THE ROOF FLASHING	AS DETERMINED BY FIXED COLLAR OF VERTICAL TERMINAL
R	TO THE SIDE OF A BOUNDARY	300MM
S	TO THE SIDE OF AN OPENING* / WINDOW ON A PITCHED ROOF	600MM
T	BELOW AN OPENING* / WINDOW ON A PITCHED ROOF	2000MM
V	FROM A VERTICAL TERMINAL TO AN ADJACENT OPENING*	CALL VOKERA TECHNICAL SUPPORT FOR ADVICE
W	FROM A VERTICAL TERMINAL TO AN ADJACENT VERTICAL TERMINAL	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).

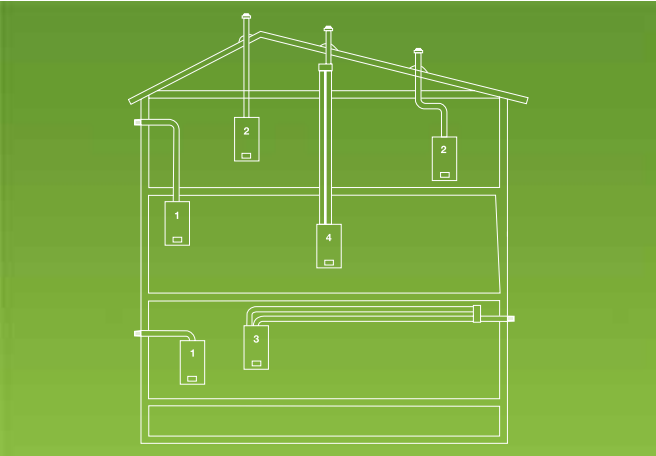
The terminal should be located where the dispersal of combustion products is not impeded and with due regard for the damage and/ or discolouration that may occur to building products located nearby.

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' FLUE BOILERS
20137515	80MM AIR INLET HORIZONTAL TERMINAL L662MM
20137517	80MM HORIZONTAL FLUE TERMINAL L985MM
TBA	VERTICAL TERMINAL & CONVERTER BOX
20137508	80MM EXTENSION 500MM
20137509	80MM EXTENSION 1000MM
20137511	80MM EXTENSION 2000 MM
20137503	45° BEND
20137506	90° BEND

For further information and advice please contact
Vokèra Technical Support on 0344 391 0999 (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.

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.

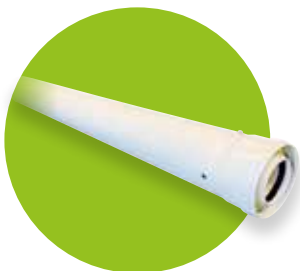
60/100mm concentric flue systems

CODE	FEATURE	PINNACLE C	SYNERGY C	VIBE MAX C	PINNACLE S	SYNERGY S	VIBE MAX S	EASI-HEAT I
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)	✓	✓	✓	✓	✓	✓	✗

(1) Models 25C & 30C only.



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



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



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.

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.

80/125mm concentric flue systems								
CODE	FEATURE	PINNACLE C	SYNERGY C	VIBE MAX C	PINNACLE S	SYNERGY S	VIBE MAX S	MYNUTE 20 VHE
20164673	FLUE 80/125MM HORIZONTAL TERMINAL	✓	✓	✓	✓	✓	✓	✓
20131113	80/125MM ROOF TERMINAL FLUE KIT	✓	✓	✓	✓	✓	✓	✓
20164653	80/125MM 90° BEND	✓	✓	✓	✓	✓	✓	✓
20164651	80/125MM 45°	✓	✓	✓	✓	✓	✓	✓
20164657	500MM EXTENSION	✓	✓	✓	✓	✓	✓	✓
20164659	1000MM EXTENSION	✓	✓	✓	✓	✓	✓	✓
20164660	2000MM EXTENSION	✓	✓	✓	✓	✓	✓	✓
20164665	80/125MM SECURING BRACKETS	✓	✓	✓	✓	✓	✓	✓
20164666	BOILER TOP ADAPTOR FOR HE APPLIANCES	✓	✓	✓	✓	✓	✓	✓
20135582	FLAT ROOF FLASHING PLATE	✓	✓	✓	✓	✓	✓	✓
20132050	PITCHED ROOF FLASHING PLATE	✓	✓	✓	✓	✓	✓	✓

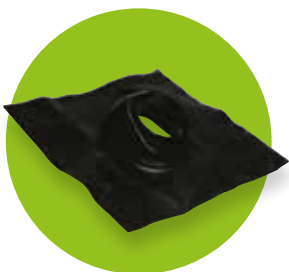
(1) Contact Vokera Technical Support for advice.



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



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



Pitched roof flashing plate
80/125mm concentric flue
Code: 20132050

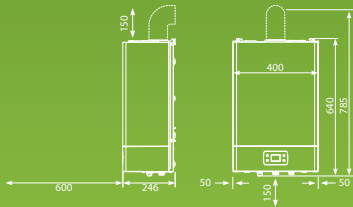


Flat roof flashing plate
80/125mm concentric flue
Code: 20135582

Instantaneous multipoint water heater



Dimensions and Clearances (mm)



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

Specifications	Easi-Flo LE	AquaNova LE
PRODUCT ORDER CODE (NATURAL GAS)	20143494	20143490
PRODUCT ORDER CODE (LPG)	20143495	20143493
DOMESTIC HOT WATER		
MAXIMUM HEAT INPUT (kW)	30.0	30.0
FLOW RATE – 35°C RISE (L/MIN)	13.2	13.2
WEIGHT		
DRY WEIGHT (KG)	21	21
EFFICIENCY		
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/82.0	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	
FLUE DETAILS (CONCENTRIC)	
MAX HORIZONTAL FLUE LENGTH (60/100MM)	2.6M
MAX VERTICAL FLUE LENGTH (60/100MM)	3.6M

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 years warranty
as standard⁽¹⁾

Instant hot
water

High flow
rate

Air Source Heat Pumps and indirect unvented cylinders



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.

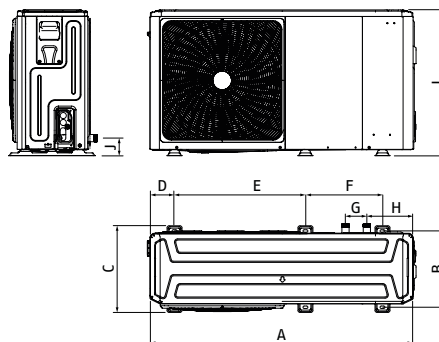
NXHM heat pumps have a coefficient of performance of up to 5.1 (1kW of electricity used to generate 5.1kW of heat). It is supplied with built-in external sensor and remote control to maximise efficiency.

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, suitably sized 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

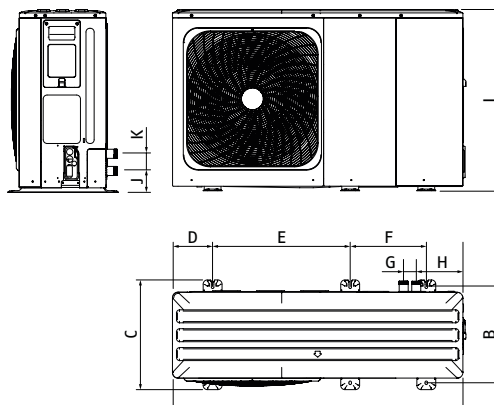


Width: 1295mm

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. 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.

- 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
- 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 optional accessories
- Automatic summer/winter switch-over
- 'Anti-legionella' function as standard
- Suitable for remote control management (0-10V input or Modbus) via optional accessories
- 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 years warranty
as standard⁽¹⁾

1.1
MW

Cascade Up
To 1.1MW



Gas or LPG

NO_x

NO_x Class 6

Condensing light commercial boiler



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

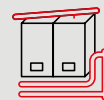


NG code	Model	Dimensions H x W x D (mm)	Nominal heat output 80/60°C (50/30°C)	Class
20199400	CONDEXA HPR 35	740 X 470 X 350	4.98 - 33.99 (37.31)	A
20199401	CONDEXA HPR 45	740 X 470 X 350	4.98 - 43.88 (47.30)	A
20190067	CONDEXA HPR 55	740 X 470 X 453	7.87 - 53.60 (58.25)	A
20190068	CONDEXA HPR 70	740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



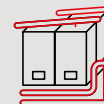
STAND ALONE
CONFIGURATION

4



LINEAR CASCADE
CONFIGURATION

12



BACK-TO-BACK CASCADE
CONFIGURATION

12



5 years warranty
as standard⁽¹⁾

280
kW

Cascade Up
To 280kW



Gas or LPG

NO_x

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, NO_x 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 $\Delta T_{\text{constant}}$
- ACS production management and direct circuit
- Modulating pumps control (PWM / 0-10 V)

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 years warranty
as standard⁽¹⁾

1.3
MW
Up to
1.3MW



Pre-Built
Unit

NO_x

NO_x Class 6

How to contact us



Technical

vokera-techsupport@carrier.com
0344 391 0999 (opt 4)



Training

0344 391 0999 (opt 5)



Spares

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0344 391 0999 (opt 3)



Customer Care

custservice@carrier.com
0344 391 0999 (opt 2)



Sales

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0344 391 0999 (opt 1)



Marketing Support

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Pre Sales

pre-sales@vokera.co.uk



Vokèra Affinity

affinitysupport@vokera.co.uk
01727 744044
www.vokeraaffinity.co.uk

Useful contacts



Gas Safe Register

Tel: 0800 408 5577
Web: www.gassaferegister.co.uk



Heating and Hotwater Industry Council

Tel: 01926 513777
Web: www.hhic.org.uk



Benchmark

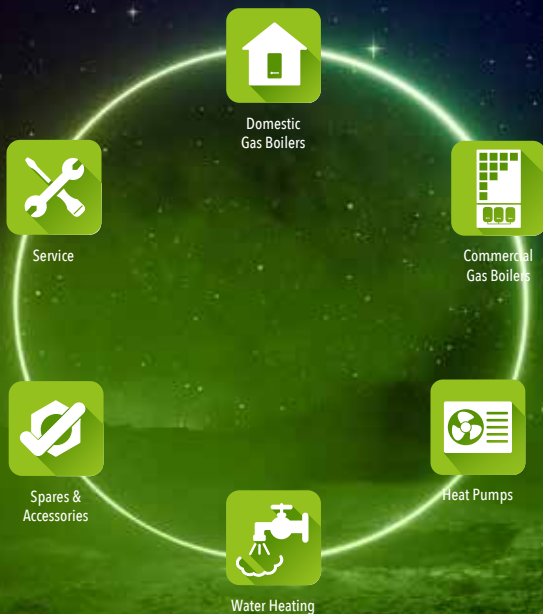
Tel: 01926 513777
Web: www.hhic.org.uk



Chartered Institute of Plumbing and Heating

Engineering (CIPHE)
Tel: 01708 472791
Web: www.ciphe.org.uk





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