

ecoTEC 65kW

Wall-hung condensing boiler

Technical specification



- Suitable for domestic and commercial projects
- High quality stainless steel heat exchanger offers more resistance to oxidation and corrosion
- All major components built-in for simple installation
- Energy saving two-stage frost protection system and pressure sensor to monitor system pressure via diagnostics and a flow sensor
- ErP band A

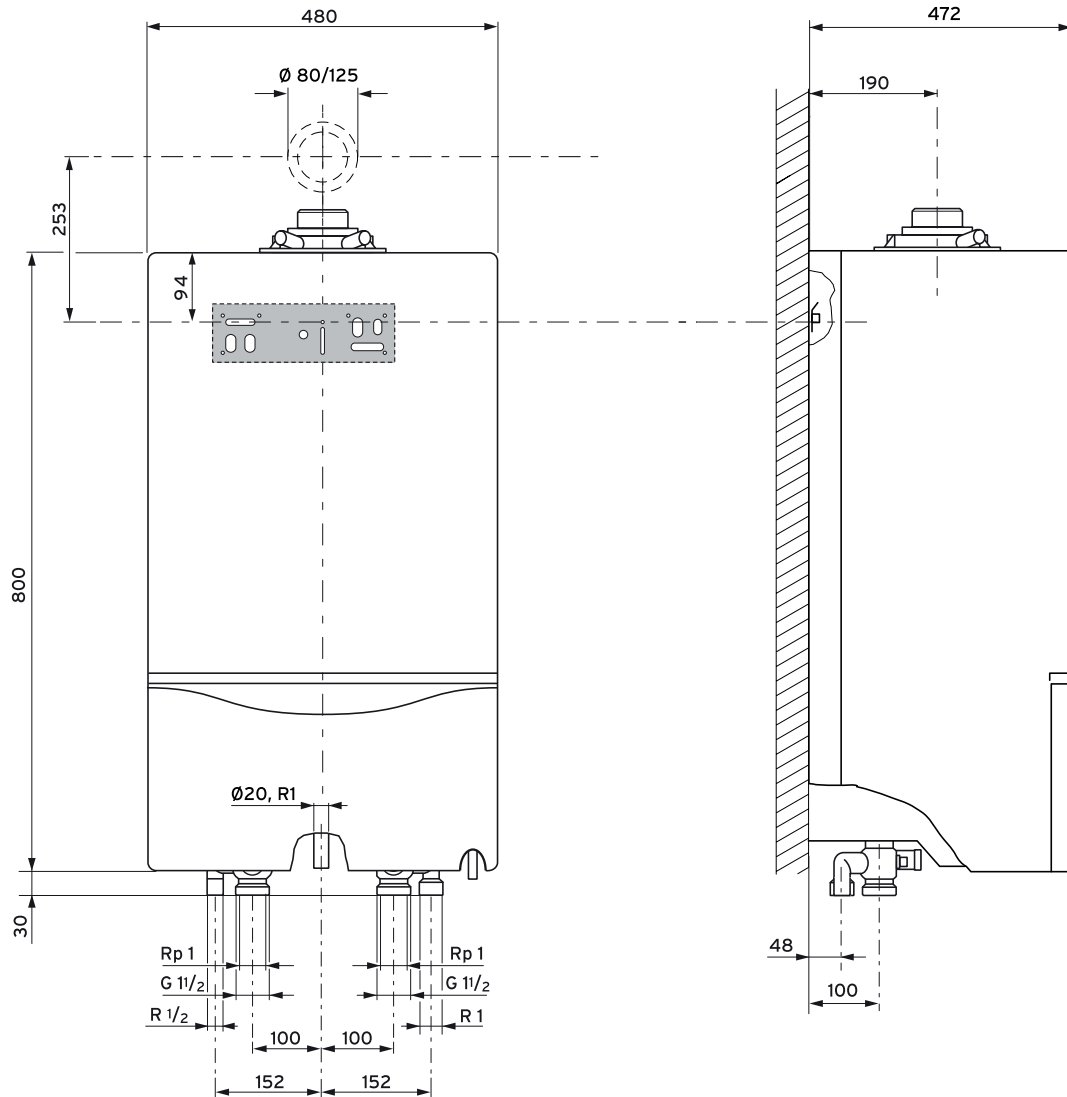


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■ Heating ■ Hot water ■ Renewables

Because  **Vaillant** thinks ahead.



The ecoTEC 65kW is compatible with natural gas only and is not suitable for use with LPG. For LPG compatible boilers, please visit our website for further details.

ecoTEC technical specification		65 kW	
Article number		Unit	0010017820
Heat output range Natural gas G20 at 20mb	80/60	kW	13.8 - 63.7
	50/30	kW	14.6 - 67.6
Maximum heat input (net)		kW	65
Modulation ratio - N : 1		%	4.9 : 1 (21%)
Energy-related Products		band	A
Seasonal efficiency*	NG	%	95.5
Net efficiency 100%	80/60	%	98.0
Net efficiency 30%	50/30	%	108.0
Gas working pressure	NG	mbar	20
Nominal gas consumption at 15°C 1013mb	NG	m ³ /h	6.9
NOx class 5 - 0% oxygen - dry		mg/kWh	36
Minimum/maximum flow temperature		°C	35 / 85
Nominal CH flow rate Δt = 20 K		l/hr	2750
Pump head without check valve		mbar	250

*in accordance with the non-domestic building services compliance guide 2013

ecoTEC technical specification		Unit	65 kW
Pump head with check valve		mbar	190
Condensate (PH range 3.5-4.0)		l/hr	6.5
Standby loss $\Delta t = 50$ K		%	< 2
Maximum power consumption		W	245
Standby power consumption		W	< 2
Supply voltage/frequency/current			230V / 50Hz / 3A
IP rating			IP X 4D
Noise level - load EN 15036-1 dB(A) re 1 pW		Full	54
		Part	45
Dimensions - H x W x D		mm	800 x 480 x 472
Dry weight (includes pump)		kg	75
Internal water capacity		l	6.5
Acidity level		PH	6.5 - 8.5 (for systems that may contain aluminium)
Flue - concentric		mm	80 / 125
Connection size (B23p)		\emptyset mm	80
Certification for GB			C13, C33, C43, C53, C93, B23, B23p, B53, B53p
Maximum horizontal flue length		m	15
Maximum vertical flue length		m	18
Flue mass flow Qmax	NG	g/s	30.3
Flue gas temperature minimum/maximum		$^{\circ}$ C	40 / 70
Fan pressure B23p in single		Pa	190
Fan pressure B23p in cascade		Pa	50
Flow and return connections		BSP female	1 $\frac{1}{4}$ "
Gas connection		BSP female	1"
Condensate connection pipe		\emptyset mm	19 ID (24 OD)
Pressure relief valve size		BSP female	1"
Minimum/maximum operating pressure		bar	0.8 / 3.0
High efficiency pump		EEl \geq 0.23	Built-in

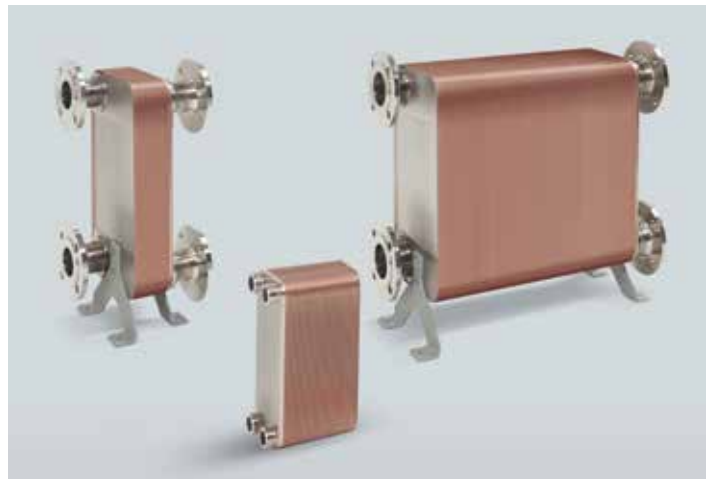
Water quality - To maintain boiler performance and life ensure all system water remains free of debris and is treated to manage hardness and corrosion by use of inhibitors throughout the boiler life. Omissions could lead to failures that are not covered by our guarantee. See website for full terms and conditions.

Accessories

Vaillant has a full range of accessories including low-loss headers, low-loss plate heat exchangers, cascade rigs, vertical and horizontal flues and controls, all of which are compatible with ecoTEC 65kW boilers. Contact your local sales representative for more information.



Low-loss headers



Low-loss plate heat exchangers

Sales Support

Vaillant products are available to purchase from reputable heating merchants in the UK. To find contact details for your nearest Vaillant sales representative:

Telephone: 0345 602 0262

Website: www.vaillantcommercial.co.uk

Specifiers

We can provide you with bespoke solutions to accommodate a variety of different installations. To discuss your requirements or find contact details for your nearest sales representative:

Telephone: 0345 602 0262

Website: www.vaillantcommercial.co.uk

Technical Enquiries

For technical assistance:

Telephone: 0344 693 3133

Email: technical@vaillant.co.uk

Commercial Systems Service

For commercial systems servicing and commissioning:

Telephone: 0207 022 0927

Email: commercial@vaillant.co.uk

General Enquiries

If you have a general enquiry our friendly reception staff will happily point you in the right direction:

Telephone: 0345 602 2922

Training Enquiries

Vaillant provide many different training courses. For more information:

Telephone: 0345 601 8885

Email: training.enquiriesuk@vaillant-group.com

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