



Heating



Hot water



Renewables

SAP performance comparison



For Vaillant, it's not simply about putting a boiler on the wall.

Vaillant has a proud heritage as a long established, family-owned heating manufacturer. Since 1874, Vaillant's dedication to innovation and continual improvement has resulted in the development of products which meet the exacting requirements for specification in the new build and social housing sectors.

Vaillant's expertise with specification projects provides a deep understanding of the unique challenges in the new build and social housing sectors. We design boilers especially for these markets, regularly reviewing and updating them to ensure they provide the efficiencies and performance Vaillant is known for.

A recent review has made substantial improvements to the boilers in our specification portfolio, and we are delighted to have improved product performance and SAP ratings by up to 1%, making Vaillant the market leader for SAP performance across a range of property types.

As well as the best SAP figures in the market, Vaillant offers other solutions for peace of mind in the specification market. From help with system design to tools for remote management of heating portfolios, we offer the best solutions for specifiers in the UK.

Vaillant specification combi boilers - PCDB numbers	
Product	PCDB number
Vaillant ecoFIT sustain 825	17958
Vaillant ecoFIT sustain 830	17959
Vaillant ecoFIT sustain 835	17960
Vaillant ecoTEC sustain 24	18118
Vaillant ecoTEC sustain 28	18119
Vaillant ecoTEC sustain 34	18120
Vaillant ecoTEC exclusive 835	17953
Vaillant ecoTEC exclusive 843	17954

The abbreviations used in this document are:

PCDB
Product Characteristics Database

SAP
Standard Assessment Procedure

The Standard Assessment Procedure (SAP) is the methodology used by the Government to assess and compare the energy and environmental performance of dwellings. Its purpose is to provide accurate and reliable assessments of dwelling energy performances that are needed to underpin energy and environmental policy initiatives.

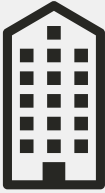
DER
Dwelling Emission Rate

This is the measured rate of emissions of CO₂ from a building. This is measured as the amount of carbon dioxide emitted by a building and is expressed as kilograms per square metre of floor area of the building. KgCO₂/M²/year.

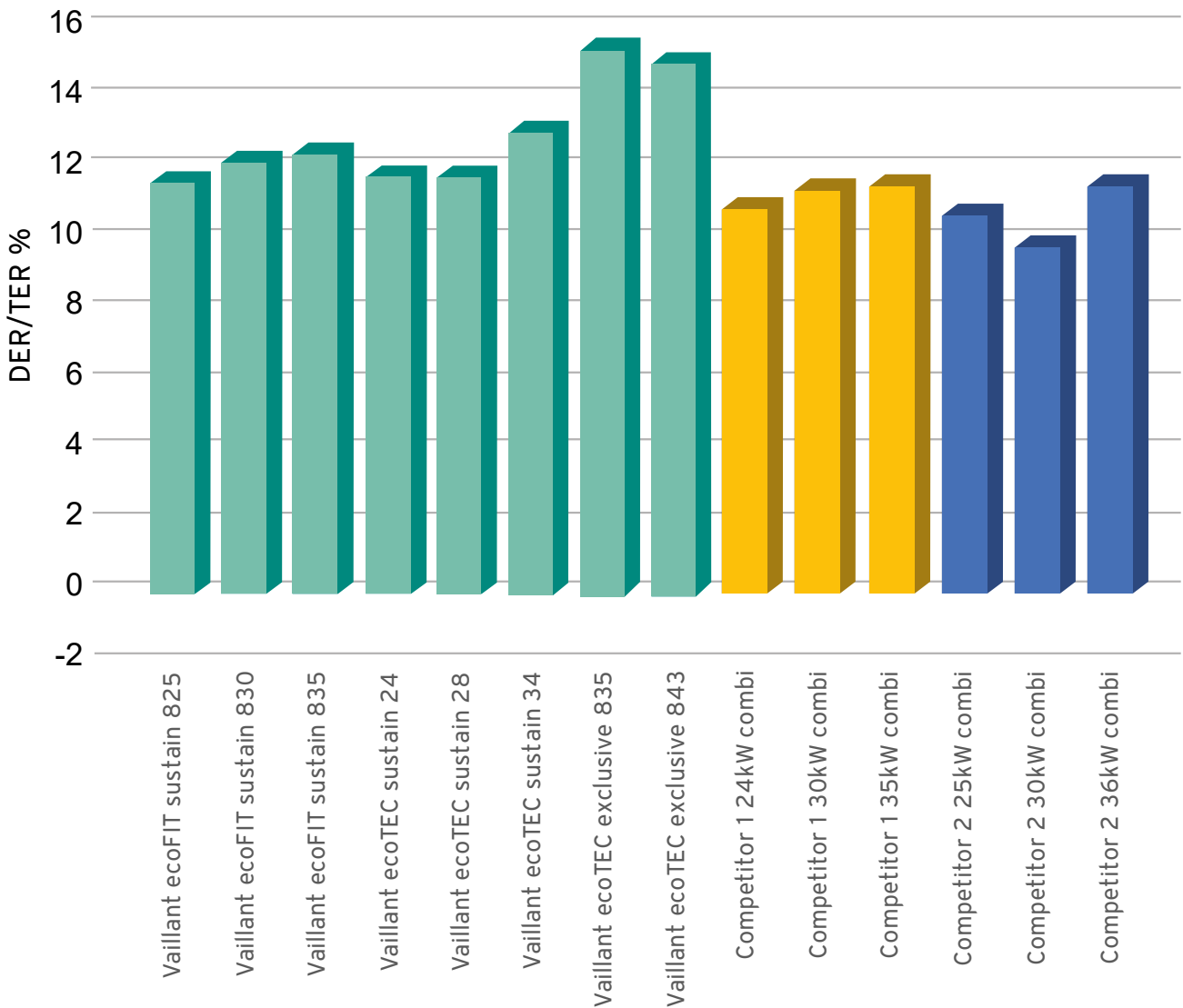
TER
Target Emission Rate


This is the calculated emissions of CO₂ of a notional building of the same dimensions as the actual building being measured. KgCO₂/M²/year.

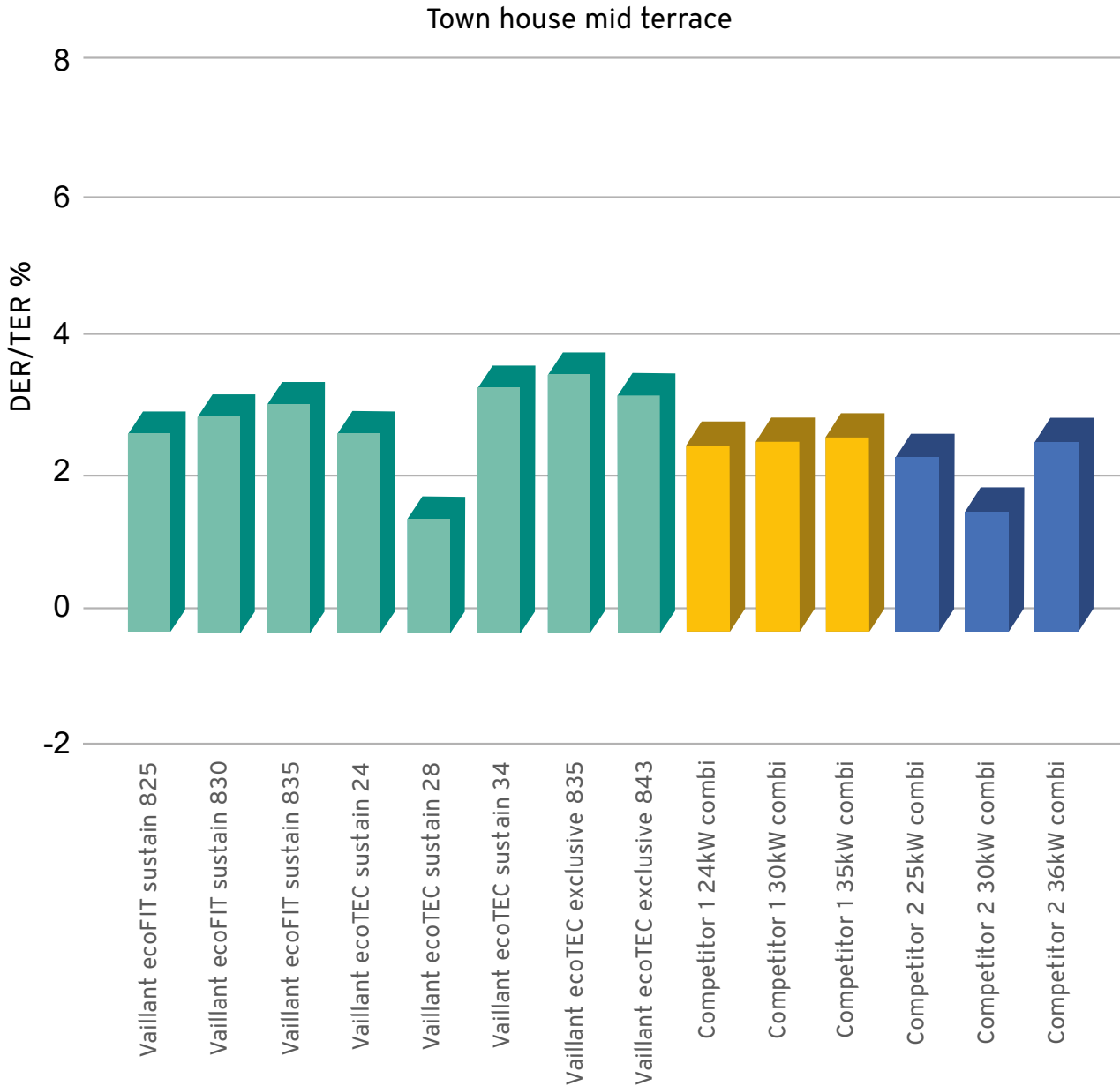
Note: The DER must be less than the TER of the building to comply with Building Regulations.

SAP performance comparison March 2021		
House type	Boiler	DER/TER %
	Vaillant ecoFIT sustain 825	11.65
	Vaillant ecoFIT sustain 830	12.09
	Vaillant ecoFIT sustain 835	12.4
	Vaillant ecoTEC sustain 24	11.77
	Vaillant ecoTEC sustain 28	9.7
	Vaillant ecoTEC sustain 34	13.03
	Vaillant ecoTEC exclusive 835	15.42
	Vaillant ecoTEC exclusive 843	15.04
	Competitor 1 24kW combi	10.7
	Competitor 1 30kW combi	11.2
	Competitor 1 35kW combi	11.33
	Competitor 2 25kW combi	10.7
	Competitor 2 30kW combi	9.88
	Competitor 2 36kW combi	11.65


Mid floor flat 50m²



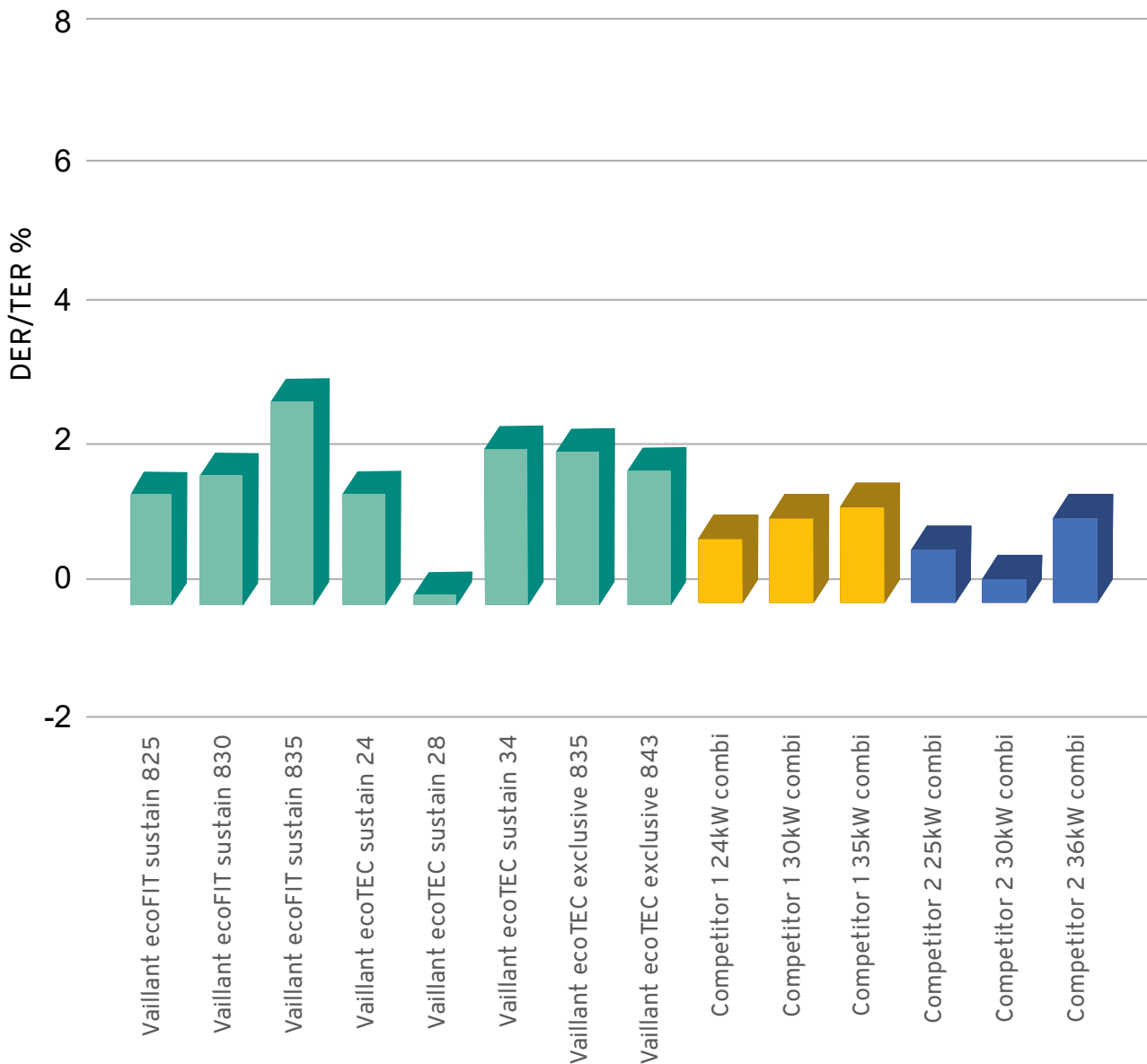
SAP performance comparison March 2021		
House type	Boiler	DER/TER %
	Vaillant ecoFIT sustain 825	2.91
	Vaillant ecoFIT sustain 830	3.16
	Vaillant ecoFIT sustain 835	3.35
	Vaillant ecoTEC sustain 24	2.91
	Vaillant ecoTEC sustain 28	1.67
	Vaillant ecoTEC sustain 34	3.59
	Vaillant ecoTEC exclusive 835	3.78
	Vaillant ecoTEC exclusive 843	3.47
	Competitor 1 24kW combi	2.54
	Competitor 1 30kW combi	2.85
	Competitor 1 35kW combi	2.91
	Competitor 2 25kW combi	2.29
	Competitor 2 30kW combi	1.86
	Competitor 2 36kW combi	2.85




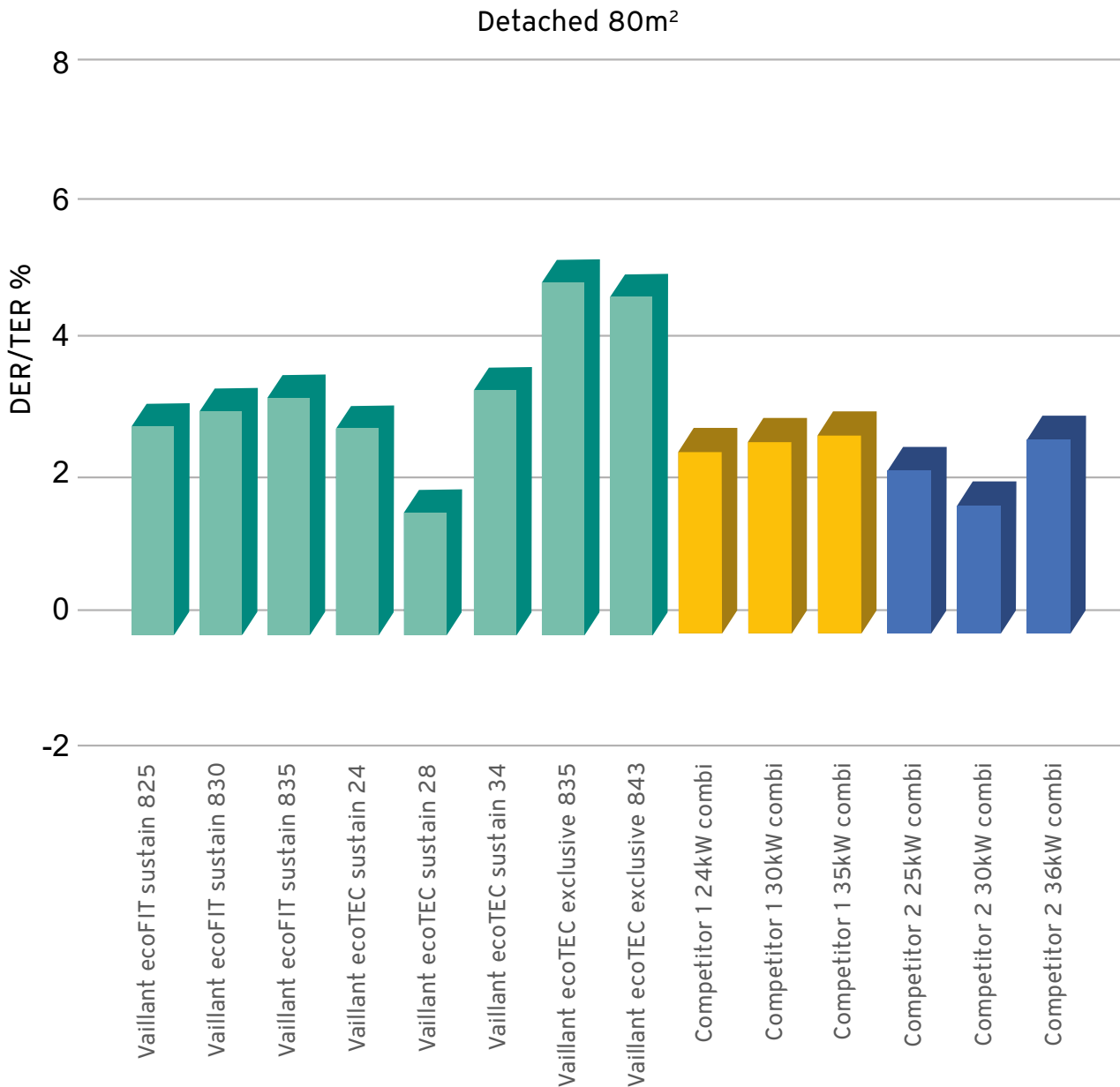
SAP performance comparison March 2021


House type	Boiler	DER/TER %
	Vaillant ecoFIT sustain 825	1.57
	Vaillant ecoFIT sustain 830	1.85
	Vaillant ecoFIT sustain 835	2.02
	Vaillant ecoTEC sustain 24	1.57
	Vaillant ecoTEC sustain 28	0.12
	Vaillant ecoTEC sustain 34	2.24
	Vaillant ecoTEC exclusive 835	2.18
	Vaillant ecoTEC exclusive 843	1.9
	Competitor 1 24kW combi	0.96
	Competitor 1 30kW combi	1.29
	Competitor 1 35kW combi	1.4
	Competitor 2 25kW combi	0.73
	Competitor 2 30kW combi	0.23
	Competitor 2 36kW combi	1.29

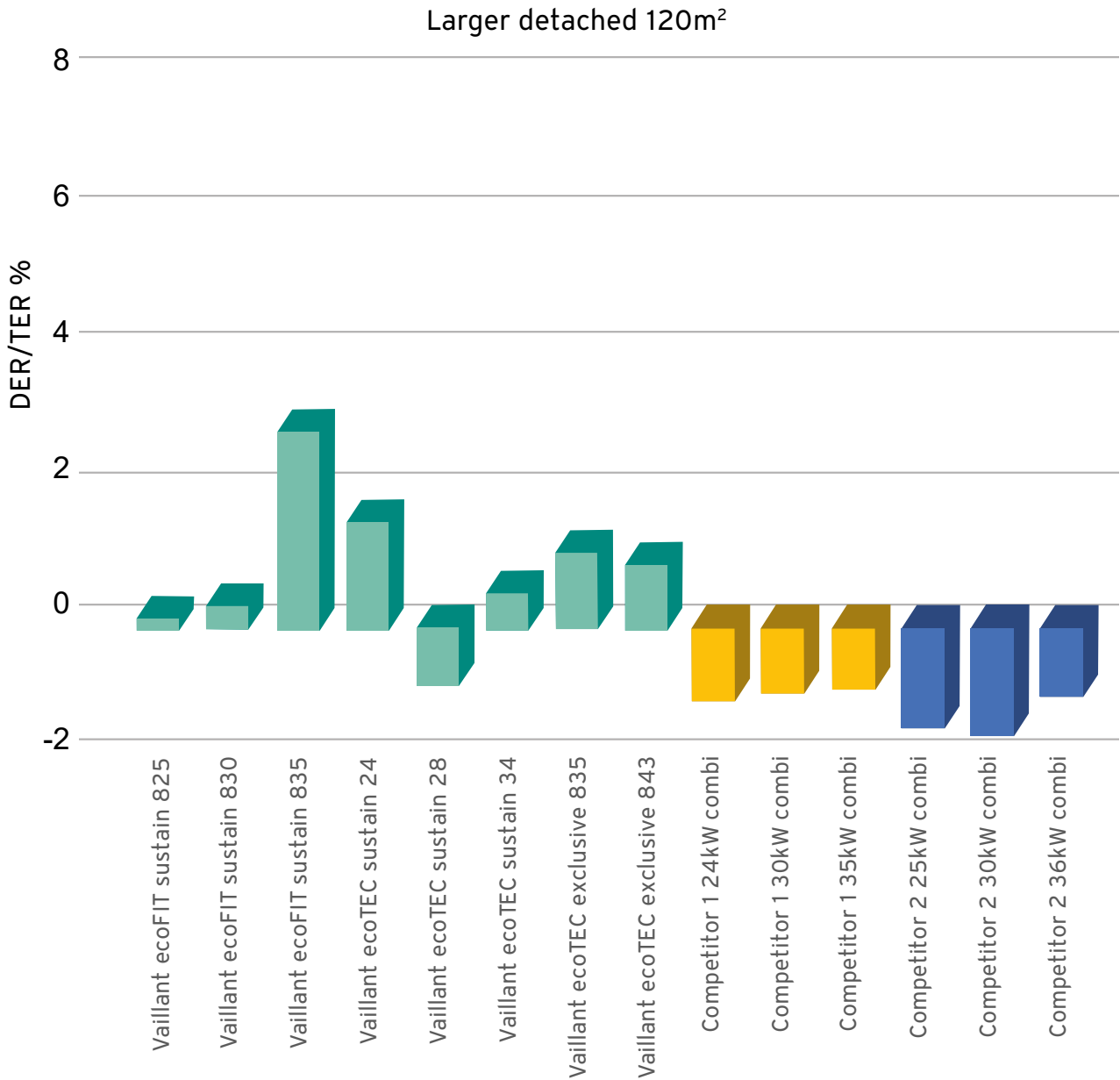
Semi-detached 70m²



SAP performance comparison March 2021		
House type	Boiler	DER/TER %
	Vaillant ecoFIT sustain 825	3.05
	Vaillant ecoFIT sustain 830	3.26
	Vaillant ecoFIT sustain 835	3.47
	Vaillant ecoTEC sustain 24	3
	Vaillant ecoTEC sustain 28	1.78
	Vaillant ecoTEC sustain 34	3.58
	Vaillant ecoTEC exclusive 835	5.16
	Vaillant ecoTEC exclusive 843	4.95
	Competitor 1 24kW combi	2.63
	Competitor 1 30kW combi	2.89
	Competitor 1 35kW combi	3
	Competitor 2 25kW combi	2.36
	Competitor 2 30kW combi	1.94
	Competitor 2 36kW combi	2.84



SAP performance comparison March 2021		
House type	Boiler	DER/TER %
	Vaillant ecoFIT sustain 825	0.14
	Vaillant ecoFIT sustain 830	0.33
	Vaillant ecoFIT sustain 835	0.45
	Vaillant ecoTEC sustain 24	0.08
	Vaillant ecoTEC sustain 28	-0.85
	Vaillant ecoTEC sustain 34	0.52
	Vaillant ecoTEC exclusive 835	1.14
	Vaillant ecoTEC exclusive 843	0.95
	Competitor 1 24kW combi	-1.09
	Competitor 1 30kW combi	-0.91
	Competitor 1 35kW combi	-0.85
	Competitor 2 25kW combi	-1.46
	Competitor 2 30kW combi	-1.77
	Competitor 2 36kW combi	-1.09



Contacts

Specification enquires

We can provide you with bespoke solutions to accommodate a variety of different installations. To discuss your requirements, please contact your nearest Vaillant Specification Manager.

Phone: **0345 602 2922**

Renewables

For renewable products aftersales service and commissioning.

Phone: **0330 100 3540**

Email: **aftersales@vaillant.co.uk**

General enquiries

If you are unsure of who you need to speak to or you have a general enquiry, our friendly reception staff will happily point you in the right direction.

Phone: **0345 602 2922**

Training

We offer a range of courses and can design a course especially for your team.

Phone: **0345 601 8885**

Email: **training@vaillant.co.uk**

Technical enquiries

If you have a technical query, you can contact us by phone or email.

Phone: **0344 693 3133**

Email: **technical@vaillant.co.uk**

Spares enquiries

If you need helping finding a spare part, you can download our app from the appStore or Google Play.

Phone: **01773 596 615**

Option 1: Vaillant stock availability

Option 2: If you require a part number



Heating



Hot water



Renewables

Vaillant Group UK Ltd.

Nottingham Road, Belper, Derbyshire DE56 1JT

Telephone 0345 602 2922

www.vaillant.co.uk/specifiers

info@vaillant.co.uk



[vaillantuk](#)



[VaillantUK](#)



[vaillant.uk](#)



[Vaillant UK](#)



[VaillantUK](#)

VALLFTB2BSAP0921