



Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

Convection Ovens

Manufacturer/supplier name:

Applicant's name:

Telephone number:

Product information

Product name:

Model number:

Please complete each section of this form based on your product's characteristics. Incomplete or incorrect data could affect the processing of your product application.

Each product application should be made on a separate form unless a product's design characteristics are common to all the products. In this instance a single application can be made for multiple products.

1. Product testing and certification

No Yes

Where type testing has been applied to demonstrate product performance (i.e. for Method B below) ensure that the information supplied is sufficient to demonstrate the performance of all the products for which applications are being made.

1.1 Does the product have an appropriate Conformity Assessment mark?

1.2 How was the product(s) performance tested? (Please select one)

- a) Tested in the manufacturer's in-house laboratory, in accordance with a registered Quality Management System and a representative sample of the test data has been cross-checked and verified by an independent body (i.e. 'self-tested and verified or cross-checked by an independent body')
- b) Tested in a laboratory either in house or on-site, witnessed by an independent body (i.e. 'witnessed testing')
- c) Tested by an independent laboratory (i.e. 'independent testing')
- d) Representative testing

1.3 Where product testing has been done in accordance with a registered Quality Management System, what is its registration number?

.....

1.4 Where a representative sample of the test data has been cross-checked and verified by an independent body:

a) What is the name of the independent laboratory?

.....

b) What is the laboratory's registration number (where accredited)?

.....

1. Product testing and certification (continued) **No** | **Yes**

1.5 Where product testing has been witnessed by an independent body, what was the name of the witness?
 (Please include contact details).

1.6 Where products have been tested by an independent laboratory:

a) What is the name of the independent laboratory?

b) What is the laboratory’s registration number (where accredited)?

1.7 If representative testing has been used, what are the ‘representative models’?

ETL Product ID number	Product name and model number
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

The representative models must be selected by dividing the range of products into groups of models with similar design characteristics, and testing a model in each group. The performance of each model in the group must be predicted using a validated mathematical model. As a minimum, at least two models must be tested in each range of products.

2. Product type **No** | **Yes**

2.1 What is the size category of your combination steam oven?

a) Convection ovens one-third-size 1/3 GN models

b) Convection ovens half-size 1/2 GN models

c) Convection ovens two-thirds-size 2/3 GN models

d) Convection ovens full-size 1/1 GN models

2.2 What is the type category of your combination steam oven?

a) Tabletop unit

b) Floor standing unit

2.3 Is your product?

a) Electric (single/three phase)

b) Gas fuelled

c) Electrically driven, fan-assisted oven

3. Product performance		No	Yes						
3.1	<p>Has the product been measured in accordance with the procedures set out in the following standards? (Tick all that apply)</p> <p>a) DIN 18873-4: 2013</p> <p>b) ETL test process for measurement of energy performance of convection ovens, outlined in Annex section of the ETL criteria for this product (for electric ovens only)</p>								
3.2	<p>Has the product been tested in the different modes and conditions as described below? (Tick all that apply)</p> <p>a) Models shall undergo energy performance testing in the default mode set as the models are shipped, while adhering to the standard test methodology</p> <p>b) Models shall be tested empty and under load while operating in convection mode</p> <p>c) For the testing under load in convection mode, a specified amount of weight of saturated Hipor-Stones per grid are placed in the cavity of the appliance</p> <p>d) Each test process shall be conducted a minimum of 3 times with the intent to limit any test repeatability deviations in the recorded product test metrics. The average of all three runs is the value that shall be reported</p>								
3.3	<p>Have the listed metric measurements been recorded during testing? (Tick all that apply)</p> <p>a) The heating-up time (minute: second)</p> <p>b) The energy consumption (kWh) in idle mode</p> <p>c) The energy consumption (kWh) in convection mode under load without humidity</p>								
3.4	<p>Does the performance of the product meet the relevant performance set out in Table 1 below (or Table 1.1 in the ETL Criteria for this product)?</p> <p><i>Table 1 Performance requirements for convection ovens</i></p> <table border="1"> <thead> <tr> <th>Fuel</th> <th>Maximum Energy Idle Rate (kW)</th> </tr> </thead> <tbody> <tr> <td>Electricity</td> <td>1.35 kW</td> </tr> <tr> <td>Gas</td> <td>3.12 kW</td> </tr> </tbody> </table>	Fuel	Maximum Energy Idle Rate (kW)	Electricity	1.35 kW	Gas	3.12 kW		
Fuel	Maximum Energy Idle Rate (kW)								
Electricity	1.35 kW								
Gas	3.12 kW								
3.5	<p>Please confirm that your products reports the convection mode cooking efficiency (η) (Please note this value is only required for electric oven)</p>								

4. Summary of documents to be included

No

Yes

Please send ONE copy of each of the following documents:

If the relevant information in support of the questions above is contained within a larger document, please indicate the location of the relevant information. Note that all documentation submitted must directly refer to the model numbers for which you are making this application. Documentation should be added to your online application at https://etl.beis.gov.uk/engetl/fox/live/ETL_LOGIN/login

- a) A technical sales brochure or leaflet for the product clearly summarising:
- i) The key features of the product (ideally including photographs of the product's exterior).
 - ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).
 - iii) Any product selection options (including optional extras, alternative configurations etc.).

This documentation should contain sufficient detail to enable the assessor to confirm that the proposed entry on the Energy Technology Product List (ETPL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ETL Scheme). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ETL Questions that this is permitted before submitting your application.

- b) A technical specification for the product, including:
- i) Details of the model numbers covered (including individual features of each model).
 - ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).
 - iii) A description of how to install the product including connection/wiring diagrams. Where the product must be assembled, configured and/or commissioned on site before use, please include instructions.

This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the ETPL has the design features specified in the eligibility criteria for that category of product. Please indicate on the checklist where information on specific design feature information is located in the documentation.

- c) Evidence that the products the performance criteria, including:
- i) Test reports showing product performance at the standard rating/test conditions.
 - ii) Details of the test procedures/standards used to determine product performance.
 - iii) A declaration certifying the accuracy of the test reports and confirming that:
 - The test facilities complied with the minimum specifications outlined in the test standard, and the required test conditions where applied during testing.
 - All measurement equipment used in testing was calibrated by an accredited laboratory, or its calibration is otherwise traceable back to national standards.
 - Appropriate quality assurance procedures have been used to verify or cross-check the accuracy and repeatability of the test procedures and test results.
 - iv) Where the test reports have not been prepared by an independent body, evidence that the accuracy of product performance data has been independently verified or cross-checked by an independent body.

Please refer to "ETL Guidance Note 5: Energy Technology List (ETL) Product Testing Framework" for further guidance on the submission of test results, and minimum information requirements.

- d) A Declaration of Conformity with UK/EU Directives on product safety, including:
- i) An appropriate Conformity Assessment mark
- e) Evidence that a quality assurance system/procedures is/are in place to:
- i) Control the specification, design, manufacturing and testing of the products.
- f) Signed application checklist

Please note that all product documentation provided must be written in, or translated into, English.

6. Declaration

I confirm that the information given above is correct to the best of my knowledge and that I have read and agree to the terms and conditions governing the management of the Energy Technology List.
A copy of the terms and conditions can be found at www.gov.uk/guidance/energy-technology-list.

Signature: Date:

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