



Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

Undercounter Dishwashers

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	<p>Where product testing has been witnessed by an independent body, what was the name of the witness? (Please include contact details).</p> <p>_____</p> <p>_____</p>																				
1.6	<p>Where products have been tested by an independent laboratory:</p> <p>a) What is the name of the independent laboratory?</p> <p>_____</p> <p>b) What is the laboratory's registration number (where accredited)?</p> <p>_____</p>																				
1.7	<p>If representative testing has been used, what are the 'representative models'?</p> <table border="1"> <thead> <tr> <th>ETL Product ID number</th> <th>Product name and model number</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> </tbody> </table> <p><i>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.</i></p>	ETL Product ID number	Product name and model number	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____		
ETL Product ID number	Product name and model number																				
_____	_____																				
_____	_____																				
_____	_____																				
_____	_____																				
_____	_____																				
_____	_____																				
_____	_____																				
_____	_____																				
2. Product type		No	Yes																		
2.1	<p>Is your product an undercounter dishwasher used in the operation of professional foodservice outlets to clean items that are either used to prepare or consume food, such as cooking ware, dishes, cutlery and glasses?</p>																				
2.2	<p>Is your product manufactured for the sole purpose of cleaning glassware and is otherwise referred to as a dedicated glasswasher as per the manufacturer specified intended use?</p>																				
2.3	<p>Does your product include: (Tick all that apply)</p> <p>a) Have high temperature sanitising processes?</p> <p>b) Integrated water treatment which can be used to soften the water hardness?</p> <p>c) Heat recovery systems which can recover the remaining heat from the previous cycle to preheat the incoming water for the next cleaning cycle?</p>																				
2.4	<p>Does your product: (Tick all that apply)</p> <p>a) Align with the product definition in section 1.2 of the ETL Criteria?</p> <p>b) Have a single water tank?</p>																				

3. Product performance		No	Yes																
3.1	Has the product been measured in accordance with the procedures set out in the following standards? <i>(Tick all that apply)</i>																		
	a) BS EN IEC 63136: 2019 – Energy consumption																		
	b) BS EN IEC 63136: 2019 – Cleaning performance																		
	c) prEN 17735: 2021 – Hygiene/sanitation																		
	d) NSF/ANSI 3-2019 – Hygiene/sanitation																		
3.2	The specific test parameters and data recorded from the model testing shall be reported based on the BS EN IEC 63136:2019 section 8, is the data reported as per the requirements set below? <i>(Tick all that apply)</i>																		
	a) The laboratory data shall be reported in accordance with Table 1 of the test standard																		
	b) The dishwasher data shall be reported in accordance with Table 2 of the test standard																		
	c) The test measured data shall be reported in accordance with Table 3 of the test standard																		
	d) For the cleaning performance evaluation, the data shall be recorded in accordance with Table 4 of the test standard																		
3.3	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)?																		
	<i>Table 1 Performance requirements for high temperature undercounter dishwashers</i>																		
	<table border="1"> <thead> <tr> <th>Aspect</th> <th>Units</th> <th>Threshold</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Energy</td> <td>Energy consumption per cycle (E_c) (kWh/cycle)</td> <td>0.4 kWh</td> </tr> <tr> <td>Water consumption per cycle (V_c) (L/cycle)</td> <td>3.4 L</td> </tr> <tr> <td>Power ready-to-use mode (P_U) (kW)</td> <td>0.4 kW</td> </tr> <tr> <td>Cleaning</td> <td>Cleaning performance (X_{clean}) (%)</td> <td>90%</td> </tr> <tr> <td>Hygiene / Sanitation</td> <td>Pass / Fail</td> <td>Pass</td> </tr> </tbody> </table>	Aspect	Units	Threshold	Energy	Energy consumption per cycle (E_c) (kWh/cycle)	0.4 kWh	Water consumption per cycle (V_c) (L/cycle)	3.4 L	Power ready-to-use mode (P_U) (kW)	0.4 kW	Cleaning	Cleaning performance (X_{clean}) (%)	90%	Hygiene / Sanitation	Pass / Fail	Pass		
Aspect	Units	Threshold																	
Energy	Energy consumption per cycle (E_c) (kWh/cycle)	0.4 kWh																	
	Water consumption per cycle (V_c) (L/cycle)	3.4 L																	
	Power ready-to-use mode (P_U) (kW)	0.4 kW																	
Cleaning	Cleaning performance (X_{clean}) (%)	90%																	
Hygiene / Sanitation	Pass / Fail	Pass																	
	<i>The specific test parameters and data recorded from the model testing shall be reported based on the BS EN IEC 63136:2019 section 8, data to be reported requirements as outlined below:</i>																		
	<ul style="list-style-type: none"> <i>The laboratory data shall be reported in accordance with Table 1 of the test standard</i> <i>The dishwasher data shall be reported in accordance with Table 2 of the test standard</i> <i>The test measured data shall be reported in accordance with Table 3 of the test standard</i> <i>For the cleaning performance evaluation, the data shall be recorded in accordance with Table 4 of the test standard.</i> 																		
3.4	Have the listed performance parameters been recorded during testing? <i>(Tick all that apply)</i>																		
	a) The programme in which the model was tested under																		
	b) The rinse temperature (°C) during testing (referred to as the manufacturer's setting of boiler temperature in Table 2 of BS EN IEC 63136: 2019)																		
	c) The average programme time (T_{PR})																		
	d) The average cycle time (T_c)																		

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:

For more information:

Web:

<https://etl.beis.gov.uk/>

Phone:

+44 20 3096 4800

Email:

info@etl.beis.gov.uk

Post:

Energy Technology List Coordinator
ICF
Riverscape
3rd Floor 10 Queens Street Place
London
EC4R 1BE

The above checklist has been created as per the product application criteria set by UK Government's The Energy Technology List (ETL). ICF, its agents, contractors and sub-contractors accept no responsibility for any accuracy, error or omission of the information contained in the checklist and neither does it accept any liability for the information provided by the applicant. It is the sole responsibility of the applicant to ensure the information it provides is accurate and true to the best of their knowledge.

The information provided in this checklist is for product listing requirements. For further information about our Privacy Policy, please refer to the BEIS' Privacy Policy for ETL, [read more](#).

ICF Consulting Services Ltd is a private limited company, registered in England and Wales under Company Number 04161656 with its Registered Office at: Riverscape, 10 Queen Street Place, London, England, EC4R 1BE. The Energy Technology List (ETL) is run by ICF on behalf of Government.