



# Energy Technology List

## Product application checklist

Please complete in BLOCK CAPITALS

### Hand Dryers

Manufacturer/supplier name: \_\_\_\_\_

ETL licence number (if applicable): \_\_\_\_\_

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
1.1	Does the product have an appropriate Conformity Assessment mark?		
1.2	Has your product been performance tested in accordance with the "ETL Hand Air Dryer Test Methodology - October 2014?"		
1.3	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 (i.e. 'self-tested')		
	b) 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')		
	c) Tested in a laboratory either in house or on-site, witnessed by an independent body (i.e. 'witnessed testing')		
	d) Tested by an independent laboratory (i.e. 'independent testing')		
	<i>Please refer to Section 2 of ETL Guidance Note 5 "ETL Testing Programme: Energy Technology List (ETL) Product Testing Framework" for details of the requirements that must be satisfied for each of these product testing options.</i>		
1.4	Where product testing has been done in accordance with a registered Quality Management System, what is its registration number?		
	_____		
1.5	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
1.6	Where product testing has been witnessed by an independent body, what was the name of the witness? <i>(Please include contact details).</i>		
1.7	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)?		
2. Product category and features		No	Yes
2.1	What does the product use to dry hands: <i>(Please select all that apply)</i> a) Ambient air b) Heated air		
2.2	What is your product category? a) Hands under single-point hand dryers b) Hands under multi-point hand dryers c) Hands in trough-style hand dryers		
2.3	Does the product: a) Incorporate an electrically driven blower that produces one or more jets of air that can be used to dry human hands that are placed beneath, or into, the product? b) Automatically switch off power to the blower and air heater (where fitted) when hands are removed from the product's drying zone? c) Incorporate facilities to wash or apply soap to hands, or to dispense towels?		
2.4	Is your product: a) Sold with a filter? e) Sold with a HEPA filter? f) Sold with other filter, please specify?  g) Equipped with a Bluetooth/light indicator providing information on maintenance or filter change requirements?		
3. Product performance		No	Yes
3.1	What is the electrical power rating of the product (kW)?		
3.2	How much electricity (in kWh) is consumed by the product per 1,000 standard drying cycles in its normal mode of operation?  <i>Eligible products shall use less than or equal to (i.e. '≤') 4.5 kWh of electricity per 1,000 standard drying cycles in its normal mode of operation.</i>  <i>The amount of electricity consumed by the product per standard drying cycle should be determined using the methodology in Section 7 of the "ETL Hand Air Dryer Test methodology - October 2014".</i>  <i>Please note that under the testing method provided above, products equipped with an air heater shall have it switched on during testing.</i>  <i>For the avoidance of doubt, test data should be presented to one decimal place. As an example, a product that uses 4.6 kWh per 1,000 standard drying cycles would be deemed to be a fail.</i>		

**3.3 Does your product have a standard drying time that is less than, or equal to,  $15 \pm 0.5$  seconds?**

**3.4 What is the product's standard drying time (in seconds) to the nearest 0.5 seconds as measured in accordance with Section 6 of the "ETL Method for the Testing of High Speed Hand Air Dryers", October 2014?**

**3.5 What is the maximum run-on time (i.e. elapsed time after removal of hands from the hand dryer sensor)?**

**3.6 What is the maximum standby power consumption (this consumption should exclude the consumption of a heat store function)?**

**3.7 What is the noise emissions of the hand dryer reported in sound power, dB(A) measured at a distance of 1 metre?**

**3.8 Has the product been measured in accordance with the method and test conditions for noise emissions set out in BS EN IEC 60704-1?**

**3.9 Has the product been measured in accordance with the method and test conditions for product standby power consumption set out in BS EN 50564:2011 or equivalent (please specify)?**

#### 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](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). 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 features is located in the documentation.*

- c) Evidence that the product meets the performance criteria, including:
- i) Test reports showing product performance at the standard rating/test conditions.
  - ii) Details of the test procedures/method used to determine product performance.
  - iii) One or more files containing video recordings [in xyz format??] of all 120 hand drying tests which include:

The physical layout of the test equipment; the measurement of volunteer's hand sizes. The initial hand washing in soap and warm water, the wetting of hands before each test and the movement to the hand dryer. The entire hand drying process from insertion into, or under, the hand dryer to removal of hands and drying any excess water from the hands with a paper towel. The individual weighing of each paper towel used, before and after each test, the environmental conditions (temperature/humidity) and water temperature and the instructions given by the test operators to the volunteers during the testing.

*The video recordings of each test, and preparatory actions, must be clearly labelled (so that they can be matched with the written test results). If the total size is less than 40MB please upload as a zip file to your online application, if in excess of 40MB please copy onto a CD and post.*

- iv) 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.

*Please note that summary test reports will only be accepted, where the accuracy of the test reports has been certified by a recognised independent body, or where two detailed test reports have been submitted per product range and per laboratory used.*

*Please refer to the "ETL Hand Air Dryer Test Methodology - October 2014" and section 4 of ETL Guidance Note 5 "ETL Testing Programme: Energy Technology List (ETL) Product Testing Framework" for further guidance on the submission of test results, and minimum information requirements.*

4. Product performance (continued)	No	Yes
d) A Declaration of Conformity with UK/EU Directives on product safety, including one of the following: <ul style="list-style-type: none"> <li>i) An appropriate Conformity Assessment mark.</li> </ul> e) Evidence that a quality assurance system/procedures is/are in place to: <ul style="list-style-type: none"> <li>i) Control the specification, design, manufacturing and testing of the products.</li> </ul> f) Signed application checklist. <p><i>Please note that all product documentation provided must be written in, or translated into, English.</i></p>		

## 5. 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](http://www.gov.uk/guidance/energy-technology-list).

Signature: ..... Date: .....

### For more information:

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