



Product application checklist

Please complete in BLOCK CAPITALS

Commercial Fans

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 (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')
- e) 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? <i>(Please include contact details).</i> _____ _____																				
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'? <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>	ETL Product ID number	Product name and model number	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____		
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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 product category? a) Axial fans b) Centrifugal fans (forward curved) c) Centrifugal fans (backward curved) d) Mixed flow fans e) Roof fans (Axial/Centrifugal/Mixed flow impeller) f) Box fans (Axial/Centrifugal/Mixed flow impeller) g) In-line duct fans (Axial/Centrifugal/Mixed flow impeller)		
2.2	Does the product have a rated motor input power between 125W-30kW?		
2.3	Does the product provide decentralised or ducted mechanical supply and extract ventilation only (e.g., ducted twin fan extract systems, inline duct fans), as opposed to being integrated into a larger ventilation unit/system (i.e., air handling units, heat recovery systems, refrigerant, and cooling systems)?		
2.4	Is the motor's fan completely integrated within the product?		
2.5	Can the motor's energy performance be tested independently from the fan?		
2.6	Is the motor completely integrated into the product thus, satisfying its exclusion from the Ecodesign Regulation on electric motors and variable speed drives, (EU) 2019/1781? <i>(answer must be yes if applicant's answer was no to question 2.4)</i>		

2.	Product type (continued)	No	Yes
2.7	Does the product have a high efficiency motor in compliance with the latest Ecodesign regulation on electric motors and variable speed drives (EU) 2019/1781? (select no if the product has a fully integrated motor)		
2.8	Does the product provide an effective variable speed via integration of a Variable Speed Drive (VSD) and thus being able to link to occupancy/demand control management systems?		

3.	Product performance	No	Yes
3.1	Has the product been measured in accordance with the procedures set out in the following standards? (Tick all that apply) a) BS EN ISO 5801:2017 b) FprEN 17166:2020		
3.2	Does the product meet the following test requirements as described in section 1.4.2 in the criteria? (Tick all that apply) a) Fan test configuration according to the arrangement of standardised test airways; also known as installation category according to EN ISO 5801 and ISO 13349 b) Measurement category A c) Measurement category B d) Measurement category C e) Measurement category D f) Measurement category E		

- 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)?

Table 1 Performance requirements for commercial fans

Fan type	Measurement category	Pressure	N Minimum	N Maximum
Axial	A, C	Static	0.55	0.75
	B, D	Total	0.69	0.85
Centrifugal forward curved	A, C	Static	0.57	0.65
	B, D	Total	0.61	0.70
Centrifugal backward curved	A, C	Static	0.70	0.80
	B, D	Total	0.73	0.85
Mixed flow	A, C	Static	0.63	0.77
	B, D	Total	0.73	0.85
Axial Roof, Box & In-line Duct Fans	A, C	Static	0.50	-
	B, D	Total	0.62	-
Centrifugal Roof, Box & In-line Duct Fans	A, C	Static	0.63	-
	B, D	Total	0.66	-
Mixed flow Roof, Box & In-line Duct Fans	A, C	Static	0.56	-
	B, D	Total	0.66	-

The minimum fan efficiency (η_{min}) as set out in Table 1, values as a function of the electric power input P_e (in kW), efficiency grade N per fan type, fan pressure (static, total) and measurement category (A, B, C or D). See section 1.4.2 for fan category definitions and function criteria, in compliance to the methodology of the Review of Regulation 327/2011.

- 3.4 Have the listed performance parameters been recorded during testing? (Tick all that apply)
- a) The IE class of the motor within the fan (except for fully integrated motors)
 - b) The minimum operational fan efficiency (static, total)
 - c) The maximum fan pressure (static, total)

4. Summary of documents to be included	No	Yes
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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](#).

- 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 the ETL Team (info@etl.energysecurity.gov.uk) 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 the [ETL 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.

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 [here](#).

Signature: _____ Date: _____

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