

Product application checklist

Please complete in BLOCK CAPITALS

Motors & Drives: Integrated motor drive units

Manufacturer/supplier name:

ETL licence number (if applicable):

Applicant's name:

Telephone number:

Product information

Application reference:

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 certification		No	Yes
Where type testing has been applied to demonstrate product performance ensure that the information supplied is sufficient to demonstrate the performance of all the products for which applications are being made.			
1.1	Is the product CE marked?	<input type="checkbox"/>	<input type="checkbox"/>
2. Product type		No	Yes
2.1	Is the motor incorporated in the product an alternating current (a.c.) 3-phase Induction motor?	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Does the product incorporate an electronic VSD that generates a variable frequency, 3 phase power output (each displaced by approximately 120 degrees) that is suitable for operating a 3 phase AC induction motor?	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Are the motor and VSD incorporated in the product permanently connected both mechanically and electrically?	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Is the product configured for direct connection to the UK public electricity supply system, or a private alternating current supply of nominally fixed frequency and voltage?	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Does the product provide an adjustable, controlled variable-torque output that can be matched to the torque-speed characteristic of the load (being driven by the product's motor), including both loads with a quadratic torque-speed and linear torque-speed characteristics?	<input type="checkbox"/>	<input type="checkbox"/>

2. Product type (continued)		No	Yes
2.6	<p>How is the relationship between the voltage and frequency of the product's output determined: <i>(Select all that apply).</i></p> <p>a) Predefined prior to sale to match a number of specific motor loads, which can be selected during commissioning.</p> <p>b) Programmed into the product during installation using a multi-point approximation as part of a clearly defined commissioning procedure.</p> <p>c) Determined during commissioning by a self-tuning algorithm that automatically minimises the energy consumption of the drive.</p> <p>d) Automatically adjusted during operation in a manner that ensures the product's output matches the characteristics of the motor and its load.</p>	<input type="checkbox"/>	<input type="checkbox"/>
2.7	<p>Is the product able to vary, in response to an external control signal, the frequency of its output between 5% (or less) and 100% (or greater) of the frequency of its alternating current supply?</p>	<input type="checkbox"/>	<input type="checkbox"/>
2.8	<p>Does the product incorporate any type of mechanical apparatus that derives its motive force from the product's motor, except for fans or pumps incorporated solely for the purposes of product cooling or lubrication?</p> <p><i>(For example, the 'Product' MUST be an IMDU and NOT an IMDU/Pump/Fan combination. If the application is for an IMDU product incorporated into another product in this way, only the IMDU product can be listed and must be uniquely identifiable by its model number and there must be clear differentiation of the IMDU model number (as it is listed on the ETL) and cost on the customer invoices).</i></p>	<input type="checkbox"/>	<input type="checkbox"/>

3. Summary of documents to be included		No	Yes
<p>Please send ONE copy of each of the following documents:</p> <p>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 http://etl.decc.gov.uk/etl.</p>			
a.	<p>A technical sales brochure or leaflet for the product clearly summarising:</p> <p>i) The key features of the product (ideally including photographs of the product's exterior).</p> <p>ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).</p> <p>iii) Any product selection options (including optional extras, alternative configurations etc.).</p> <p><i>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 ECA Scheme). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ECA Questions that this is permitted before submitting your application.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
b.	<p>A technical specification for the product, including:</p> <p>i) Details of the model numbers covered (including individual features of each model).</p> <p>ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).</p> <p>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.</p> <p><i>This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the Energy Technology Product List (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.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
c.	<p>Please ensure that this documentation includes details of:</p> <p>i) The product's control input/output signals, and requirements for sensors or control valves.</p> <p>ii) The product's automatic control strategies, mechanisms, and configuration settings.</p>	<input type="checkbox"/>	<input type="checkbox"/>
d.	<p>A Declaration of Conformity with EU Directives on product safety, including:</p> <p>i) CE Marking Directives.</p>	<input type="checkbox"/>	<input type="checkbox"/>
e.	<p>Evidence that a quality assurance system/procedures is/are in place to:</p> <p>i) Control the specification, design, manufacturing and testing of the products.</p>	<input type="checkbox"/>	<input type="checkbox"/>
f.	<p>Signed application checklist.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Please note that all product documentation provided must be written in, or translated into, English.</p>			

4. 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 Enhanced Capital Allowance Energy Technology List (ETL).

A copy of the terms and conditions can be found at <http://etl.decc.gov.uk/etl>

Signature: Date:

For more information:

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<http://etl.decc.gov.uk/etl>

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The Carbon Trust works with business and the public sector to cut carbon emissions and capture the commercial potential of low carbon technologies.

An independent expert company originally established by the Government to help the UK meet its climate change obligations through business-focused solutions to carbon reduction, the Carbon Trust receives funds from the Department of Energy and Climate Change (DECC), the Scottish Government and the Welsh Government.

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Published in the UK: August 2013.

ECA710 v11