

Accelerated Capital Allowances Eligibility Criteria

Category: Catering & Hospitality Equipment

***Technology:* Commercial Dishwashers**

Commercial Dishwashers are defined as equipment constructed in stainless steel for use in commercial kitchens and to clean and sanitise dishes, plates, utensils, glasses, trays, cups, and bowls.

Commercial Dishwasher equipment is considered to include the following:

Undercounter Dishwashers

Undercounter dishwashers are loaded and unloaded by opening a drop-down door to the front of the machine and are typically less than 1000mm high. Maximum output per hour is 30 racks.

Stationary Single Tank Door Dishwashers

These include hood-type dishwashers and potwashers. They work by passing the racks through the stationary wash chamber. Maximum output per hour is 45 racks.

Single and Multiple Tank Rack Conveyor Dishwashers

Rack-type dishwashers feed baskets through the machine using a moving rack. Output ranges from 100 to 190 racks per hour.

Eligibility criteria

To be included on the ACA Specified List, the specific Commercial Dishwasher must meet *all* the relevant requirements set out below.

Note: *Supporting documentation that clearly demonstrates ACA compliance according to the conditions below will be required as part of the ACA checking process. Detailed information on the types of documents accepted can be found in the separate Supporting Documentation guidelines.*

General eligibility criteria

(applicable to all Commercial Dishwashers)

No.	Condition
1	All equipment and/or components must be CE marked as required by the specific EU directive(s).

2	Must comply with the Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) ¹ and Waste Electrical and Electronic Equipment (WEEE) ² regulations.
3	Must have a maximum water consumption as per Table 1 below
4	Must have a maximum idle energy rate as per Table 1 below (measured with door closed, representative of the energy used by the tank heater only)

Single and Multiple Tank Rack Conveyor Dishwasher – specific eligibility criteria

(to be met in addition to the general eligibility criteria)

No.	Condition
5	Must incorporate a heat-recovery system to preheat rinse water to a minimum temperature of 40° C

Table 1: Minimum Dishwasher Water Consumption and Idle Energy Rates

Dishwasher Type	Water Consumption (litres pre rack)	Idle Energy Rate (kW per hour)
Under-counter	≤3	≤0.9
Stationary Single Tank Door	≤3	≤1
Single and Multiple Tank Rack Conveyor	≤2.9	≤2.6

-----End of ACA eligibility criteria-----

Please see next section for guidance on:

- 1. Technical details required in product submission**
- 2. Supporting documentation required**

¹ S.I. No. 341/2005 — Waste Management (Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment) Regulations 2005 as amended by S.I. No. 376/2008 — Waste Management (Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment)(Amendment) Regulations 2008.

² S.I. No. 340/2005 — Waste Management (Waste Electrical and Electronic Equipment) Regulations 2005 as amended by S.I. No. 375/2008 — Waste Management (Waste Electrical and Electronic Equipment) (Amendment) Regulations 2008.

Guidance on product details and supporting documentation

NOTE: The following information is not part of the official criteria document published within the relevant Statutory Instrument. It has been added here for guidance purposes only in order to help you to provide (a) product details and (b) the required supporting documentation.

All information contained in this guidance document is subject to change without notice.

Technical information required in product submission

The following are the specific technical values required as part of the product submission for this technology:

Maximum Rack Output (Racks/hr)

The maximum rack output in racks per hour of the product is required as a value for the product submission. It must be entered as a whole number only (do not include any unit symbol). There should also be no spaces or full stops after the number submitted.

Water Consumption per Rack (litres/rack)

The water consumption in litres per rack of the product is required as a value for the product submission. It must be entered as whole number only (do not include any unit symbol). There should also be no spaces or full stops after the number submitted.

Idle Energy Rate (kW)

The idle energy rate in kW of the product is required as a value for the product submission. This is the kW measured with the door closed, and is representative of the energy used by the tank heater only. It must be entered as whole number only (do not include any unit symbol). There should also be no spaces or full stops after the number submitted.

Supporting documentation required

Described below is the list of documents that are accepted as proof of compliance for the specific Commercial Dishwashers condition.

Note: This information will only be requested AFTER you submit your product's basic details online.

Important Notes to Product Providers

Please ensure that you read the "Important Notes to Product Providers" section at the end of this document prior to submitting documentation.

General eligibility criteria

(applicable to all Commercial Dishwashers)

No.	Condition	Supporting Documentation Requirement
1	All equipment and/or components must be CE marked as required by the specific EU directive(s).	<p>Official and published manufacturer's technical data sheet or brochure that demonstrates CE marking compliance</p> <p>OR</p> <p>A copy of an official signed declaration on headed paper that confirms CE marking compliance.</p> <p>Official declarations should explicitly state the product for which CE marking is being confirmed (i.e. do not provide a letter simply stating general compliance with the relevant ACA condition).</p> <p>Where a document is used to demonstrate conformance for a number of products or range of products, it should clearly specify each individual product covered by that document.</p>
2	Must comply with the Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) ³ and Waste Electrical and Electronic Equipment (WEEE) ⁴ regulations.	Official and published manufacturer's technical data sheet or brochure that demonstrates compliance with the requirements of the condition.

³ S.I. No. 341/2005 — Waste Management (Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment) Regulations 2005 as amended by S.I. No. 376/2008 — Waste Management (Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment)(Amendment) Regulations 2008.

⁴ S.I. No. 340/2005 — Waste Management (Waste Electrical and Electronic Equipment) Regulations 2005 as amended by S.I. No. 375/2008 — Waste Management (Waste Electrical and Electronic Equipment) (Amendment) Regulations 2008.

No.	Condition	Supporting Documentation Requirement
3	Must have a maximum water consumption as per Table 1 below.	<p>Accredited certification that the maximum water consumption values have been obtained by testing according to the named standard, and demonstrating that the maximum water consumption of the product conforms to the values given in Table 1.</p> <p><u>OR</u></p> <p>Evidence of official testing by manufacturer or independent test lab carried out according to the principles outlined in the named standard, and demonstrating that the maximum water consumption of the product conforms to the values given in Table 1. Test reports should be of the format described in the 'Important notes to Product Providers' section of this document.</p> <p>Accepted Standard: NSF/ANSI 3-2007 Standard, Commercial Warewashing Equipment.</p>

No.	Condition	Supporting Documentation Requirement
4	Must have a maximum idle energy rate as per Table 1 below (measured with door closed, representative of the energy used by the tank heater only)	<p>Accredited certification that the maximum water consumption values have been obtained by testing according to the appropriate named standard, and demonstrating that the maximum idle energy rate of the product conforms to the values given in Table 1.</p> <p>OR</p> <p>Evidence of official testing by manufacturer or independent test lab carried out according to the principles outlined in the appropriate named standard, and demonstrating that the maximum idle energy rate of the product conforms to the values given in Table 1. Test reports should be of the format described in the 'Important notes to Product Providers' section of this document.</p> <p>Accepted standards are:</p> <ul style="list-style-type: none"> a) For Undercounter and Stationary Rack Single Tank Door-Type Dishwashers: ASTM Standard F1696, Standard Test Method for Energy Performance of Single-Rack Hot Water Sanitising, Door-Type Commercial Dishwashing Machines b) For Single and Multiple Tank Rack Conveyor Dishwashers: ASTM Standard F1920, Standard Test Method for Energy Performance of Rack Conveyor, Hot Water Sanitising, Commercial Dishwashing Machines

Single and Multiple Tank Rack Conveyor Dishwasher – specific eligibility criteria

(to be met in addition to the general eligibility criteria)

No.	Condition	Supporting Documentation Requirement
5	Must incorporate a heat-recovery system to preheat rinse water to a minimum temperature of 40° C	Official and published manufacturer's technical data sheet or brochure that demonstrates proof of compliance with the requirements of the condition.

Important notes for product providers

General

There should be a clear link between the product submitted and all supporting documentation. This will typically take the form of a *product code* or *product name* that can be cross-referenced between the submitted product and the relevant supporting documentation.

If product codes/names have been changed since publication of the supporting documentation, then you must provide official evidence of this with the supporting documentation supplied.

If there is any deviation from these requirements, the supporting documentation will not be considered adequate for the purposes of demonstrating compliance with the criteria conditions. This will in turn delay the submission and/or result in the product not being considered eligible.

Where the ACA criteria or help documentation makes reference to compliance with appropriate rather than specific standards, the onus is on the product provider to ensure that the supporting documentation supplied references recognised standards that apply to the submitted product, i.e. the product must be covered under the scope of a recognised standard.

If it is subsequently found that any product submitted does not meet the performance or specification criteria, it will cease to be considered eligible for the ACA.

Note: When supplying the supporting documentation through the online process, you must ensure, when demonstrating compliance with the relevant condition, that the correct page number(s) of the document is referenced. When referencing more than one page number, add an explanatory note.

Test report

A test report must include an outline of the complete test, including:

- √ Introduction
- √ Details on test conditions
- √ The specific model details of the product tested
- √ The steps taken in the test
- √ The results
- √ Graphical representations
- √ Conclusion

All documents should be on headed paper and the document should be officially signed off. **All documentation must be in English**, or include adequate translation.

Certification

Where certificates are provided, all tests must be carried out by an organisation that is accredited by a national accreditation body, recognised via the European Cooperation for Accreditation (preferred) or the International Accreditation Forum. **All documentation must be in English**, or include adequate translation.

Scientific equivalence

Some ACA criteria conditions allow for scientifically equivalent tests and/or standards to be used.

If a product has not been designed, manufactured or tested to the specific standard named, then documentation relating to an equivalent internationally recognised standard may be used, where the phrase '*or scientific equivalent*' is included in the ACA condition or help documentation.

In such applications, the onus is on the product submitter to demonstrate satisfactory equivalence of the standards. Submissions which reference such supporting documentation may take longer to process. If the product provider does not provide satisfactory evidence of equivalence, then the product will not be considered eligible for the ACA. **All documentation must be in English**, or include adequate translation.

Note: Where specific standards are cited in a condition or in the ACA help documentation, then documentation demonstrating that the relevant products have been designed, manufactured or tested to these specific standards is preferred. Scientific equivalence is considered the exception rather than the norm.

Representative testing

Where test information is required for a range of technically similar products (e.g. configurations of one base product), then – in exceptional instances – a form of representative testing may be used once *agreed in advance* with SEAI.

Such testing is where only representative products are tested from a technically similar group or range of products. Representative testing may form an acceptable basis for supporting documentation if:

- A clear correlation can be demonstrated between the tested product and a technically similar non-tested product
- and*
- Such a correlation clearly demonstrates the compliance of the non-tested product

Note: Where representative testing is used for a group or range of products, if the tested or representative product is removed from the list of eligible products then all related products are also removed.