Following are the terms of the ENERGY STAR Partnership Agreement as it pertains to the manufacture and labeling of ENERGY STAR qualified products. The ENERGY STAR Partner must adhere to the following partner commitments:

Qualifying Products

1. Comply with current ENERGY STAR Eligibility Criteria, which define performance requirements and test procedures for dehumidifiers. A list of eligible products and their corresponding Eligibility Criteria can be found at www.energystar.gov/specifications.

2. Prior to associating the ENERGY STAR name or mark with any product, obtain written certification of ENERGY STAR qualification from a Certification Body recognized by EPA for dehumidifiers. As part of this certification process, products must be tested in a laboratory recognized by EPA to perform dehumidifier testing. A list of EPA-recognized laboratories and Certification Bodies can be found at www.energystar.gov/testingandverification.

Using the ENERGY STAR Name and Marks

3. Comply with current ENERGY STAR Identity Guidelines, which define how the ENERGY STAR name and marks may be used. Partner is responsible for adhering to these guidelines and ensuring that its authorized representatives, such as advertising agencies, dealers, and distributors, are also in compliance. The ENERGY STAR Identity Guidelines are available at www.energystar.gov/logouse.

4. Use the ENERGY STAR name and marks only in association with qualified products. Partner may not refer to itself as an ENERGY STAR Partner unless at least one product is qualified and offered for sale in the U.S. and/or ENERGY STAR partner countries.

5. Provide clear and consistent labeling of ENERGY STAR qualified dehumidifiers.

   5.1. The ENERGY STAR mark must be clearly displayed on the top/front of the product, in product literature (i.e., user manuals, spec sheets, etc.), on the product packaging, and on the manufacturer’s Internet site where information about ENERGY STAR qualified models is displayed.

Verifying Ongoing Product Qualification

6. Participate in third-party verification testing through a Certification Body recognized by EPA for dehumidifiers, providing full cooperation and timely responses. EPA/DOE may also, at its discretion, conduct tests on products that are referred to as ENERGY STAR qualified. These products may be obtained on the open market, or voluntarily supplied by Partner at the government’s request.

Providing Information to EPA

7. Provide unit shipment data or other market indicators to EPA annually to assist with creation of ENERGY STAR market penetration estimates, as follows:

   7.1. Partner must submit the total number of ENERGY STAR qualified dehumidifiers shipped in the calendar year or an equivalent measurement as agreed to in advance by EPA and Partner.
Partner shall exclude shipments to organizations that rebrand and resell the shipments (unaffiliated private labelers).

7.2. Partner must provide unit shipment data segmented by meaningful product characteristics (e.g., type, capacity, presence of additional functions) as prescribed by EPA.

7.3. Partner must submit unit shipment data for each calendar year to EPA or an EPA-authorized third party, preferably in electronic format, no later than March 1 of the following year.

Submitted unit shipment data will be used by EPA only for program evaluation purposes and will be closely controlled. If requested under the Freedom of Information Act (FOIA), EPA will argue that the data is exempt. Any information used will be masked by EPA so as to protect the confidentiality of the Partner.

8. Report to EPA any attempts by recognized laboratories or Certification Bodies (CBs) to influence testing or certification results or to engage in discriminatory practices.

9. Notify EPA of a change in the designated responsible party or contacts within 30 days using the My ENERGY STAR Account tool (MESA) available at www.energystar.gov/mesa.

Performance for Special Distinction

In order to receive additional recognition and/or support from EPA for its efforts within the Partnership, the ENERGY STAR Partner may consider the following voluntary measures, and should keep EPA informed on the progress of these efforts:

- Provide quarterly, written updates to EPA as to the efforts undertaken by Partner to increase availability of ENERGY STAR qualified products, and to promote awareness of ENERGY STAR and its message.
- Consider energy efficiency improvements in company facilities and pursue benchmarking buildings through the ENERGY STAR Buildings program.
- Purchase ENERGY STAR qualified products. Revise the company purchasing or procurement specifications to include ENERGY STAR. Provide procurement officials’ contact information to EPA for periodic updates and coordination. Circulate general ENERGY STAR qualified product information to employees for use when purchasing products for their homes.
- Feature the ENERGY STAR mark(s) on Partner website and other promotional materials. If information concerning ENERGY STAR is provided on the Partner website as specified by the ENERGY STAR Web Linking Policy (available in the Partner Resources section of the ENERGY STAR website), EPA may provide links where appropriate to the Partner website.
- Ensure the power management feature is enabled on all ENERGY STAR qualified displays and computers in use in company facilities, particularly upon installation and after service is performed.
- Provide general information about the ENERGY STAR program to employees whose jobs are relevant to the development, marketing, sales, and service of current ENERGY STAR qualified products.
- Provide a simple plan to EPA outlining specific measures Partner plans to undertake beyond the program requirements listed above. By doing so, EPA may be able to coordinate, and communicate Partner’s activities, provide an EPA representative, or include news about the event in the ENERGY STAR newsletter, on the ENERGY STAR website, etc. The plan may be as simple as providing a list of planned activities or milestones of which Partner would like EPA to be aware. For example, activities may include: (1) increasing the availability of ENERGY STAR qualified products by converting the entire product line within two years to meet ENERGY STAR guidelines; (2) demonstrating the economic and environmental benefits of energy efficiency through special in-store displays twice a year; (3) providing information to users (via the website and user’s manual) about energy-saving features and operating characteristics of ENERGY STAR qualified products; and (4) building awareness of the ENERGY STAR Partnership and brand identity by collaborating with EPA on one print advertorial and one live press event.
- Join EPA’s SmartWay Transport Partnership to improve the environmental performance of the company’s shipping operations. The SmartWay Transport Partnership works with freight carriers,
shippers, and other stakeholders in the goods movement industry to reduce fuel consumption, greenhouse gases, and air pollution. For more information on SmartWay, visit www.epa.gov/smartway.

- Join EPA’s Green Power Partnership. EPA's Green Power Partnership encourages organizations to buy green power as a way to reduce the environmental impacts associated with traditional fossil fuel-based electricity use. The partnership includes a diverse set of organizations including Fortune 500 companies, small and medium businesses, government institutions as well as a growing number of colleges and universities. For more information on Green Power, visit www.epa.gov/greenpower.
Following is the Version 2.1 product specification for ENERGY STAR qualified dehumidifiers. A product shall meet all of the identified criteria if it is to earn the ENERGY STAR.

1) Definitions: Below are the definitions of the relevant terms in this document.

A. Dehumidifier: A self-contained, electrically operated, and mechanically encased assembly consisting of: (a) a refrigerated surface (evaporator) that condenses moisture from the atmosphere; (b) a refrigerating system, including an electric motor; (c) an air-circulating fan; and (d) means for collecting and/or disposing of the condensate.

B. Capacity: Capacity refers to water removal capacity at standard test conditions, measured in pints per day. Capacity shall be calculated according to the test method provided in Section 4.

C. Energy Factor: The energy efficiency of dehumidifiers will be measured in liters of water removed per kilowatt-hour (kWh) of energy consumed at standard test conditions. This metric is defined as the energy factor. Energy factor shall be calculated according to the test method provided in Section 4.

D. Product Family: A group of models with similar basic design or water removal capacity and/or energy factor.

2) Scope:

A. Included Products: Products that meet the definition of a dehumidifier as specified herein are eligible for ENERGY STAR qualification, with the exception of products listed in Section 2.B.

B. Excluded Products: Dehumidifiers with daily water-removal capacities greater than 185 US pints (87.5 liters) are not eligible for ENERGY STAR.

3) Qualification Criteria:

A. Energy Efficiency Requirements: To qualify for ENERGY STAR, dehumidifiers shall meet the energy factor requirements provided in Tables 1 – 3, below.

<table>
<thead>
<tr>
<th>Product Capacity (Pints/Day)</th>
<th>Energy Factor Under Test Conditions (L/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤ 25</td>
<td>≥ 1.20</td>
</tr>
<tr>
<td>&gt; 25 to ≤ 35</td>
<td>≥ 1.40</td>
</tr>
<tr>
<td>&gt; 35 to ≤ 45</td>
<td>≥ 1.50</td>
</tr>
<tr>
<td>&gt; 45 to ≤ 54</td>
<td>≥ 1.60</td>
</tr>
<tr>
<td>&gt; 54 to ≤ 75</td>
<td>≥ 1.60</td>
</tr>
<tr>
<td>&gt; 75 to &lt; 185</td>
<td>≥ 2.50</td>
</tr>
</tbody>
</table>
Requirements for Tier 2 are identical to those under Tier 1, except for models with a capacity of 75 pints/day. As of October 1, 2007, 75 pint models move to the next capacity bin for qualification. This means they will need to have an energy factor of ≥ 2.50 L/kWh to earn the ENERGY STAR mark.

Table 2: Tier 2 Criteria for ENERGY STAR Qualified Dehumidifiers

<table>
<thead>
<tr>
<th>Product Capacity (Pints/Day)</th>
<th>Energy Factor Under Test Conditions (L/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 25</td>
<td>≥ 1.20</td>
</tr>
<tr>
<td>&gt; 25 to &lt; 35</td>
<td>≥ 1.40</td>
</tr>
<tr>
<td>&gt; 35 to &lt; 45</td>
<td>≥ 1.50</td>
</tr>
<tr>
<td>&gt; 45 to &lt; 54</td>
<td>≥ 1.60</td>
</tr>
<tr>
<td>&gt; 54 to &lt; 75</td>
<td>≥ 1.60</td>
</tr>
<tr>
<td>≥ 75 to &lt; 185</td>
<td>≥ 2.50</td>
</tr>
</tbody>
</table>

Requirements for Tier 3 of the ENERGY STAR specification for dehumidifiers are identical to those under Tier 2, except for products in the > 54 to < 75 pints/day capacity bin. As of June 1, 2008, products with a capacity of > 54 to < 75 pints/day will need to have an energy factor of ≥ 1.80 L/kWh to earn the ENERGY STAR mark.

Table 3: Tier 3 Criteria for ENERGY STAR Qualified Dehumidifiers

<table>
<thead>
<tr>
<th>Product Capacity (Pints/Day)</th>
<th>Energy Factor Under Test Conditions (L/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 25</td>
<td>≥ 1.20</td>
</tr>
<tr>
<td>&gt; 25 to &lt; 35</td>
<td>≥ 1.40</td>
</tr>
<tr>
<td>&gt; 35 to &lt; 45</td>
<td>≥ 1.50</td>
</tr>
<tr>
<td>&gt; 45 to &lt; 54</td>
<td>≥ 1.60</td>
</tr>
<tr>
<td>&gt; 54 to &lt; 75</td>
<td>≥ 1.80</td>
</tr>
<tr>
<td>≥ 75 to &lt; 185</td>
<td>≥ 2.50</td>
</tr>
</tbody>
</table>

B. Significant Digits and Rounding:

a. All calculations shall be carried out with actual measured or observed values. Only the final result of a calculation shall be rounded. Calculated results shall be rounded to the nearest significant digit as expressed in the corresponding specification limit.

b. Unless otherwise specified, compliance with specification limit shall be evaluated using exact values without any benefit from rounding.

4) Test Requirements:

A. Representative Models shall be selected for testing per the following requirements:

a. For qualification of an individual product model, the representative model shall be equivalent to that which is intended to be marketed and labeled as ENERGY STAR.

b. For qualification of a product family, any model within that product family can be tested and serve as the representative model.
B. When testing dehumidifiers, the following test methods shall be used to determine ENERGY STAR qualification:

<table>
<thead>
<tr>
<th>ENERGY STAR Requirement</th>
<th>Test Method Reference</th>
</tr>
</thead>
</table>

**Additional Test Conditions:** Tests shall be conducted in accordance with Clauses 4, 5, and 7 of ANSI/AHAM Standard DH-1-2003, except that a watt-hour meter shall be used to measure dehumidifier energy consumption during the capacity rating test. The watt-hour meter shall be accurate within 0.5 percent of the indicated value and have a scale with graduations of 1 watt-hour or less.

5) **Effective Date:** This ENERGY STAR Dehumidifier Specification shall take effect on the dates specified in Table 5, below. To qualify for ENERGY STAR, a product model shall meet the ENERGY STAR specification in effect on the date of manufacture. The date of manufacture is specific to each unit and is the date (e.g., month and year) on which a unit is considered to be completely assembled.

<table>
<thead>
<tr>
<th>Tier 1</th>
<th>Tier 2</th>
<th>Tier 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 1, 2006</td>
<td>October 1, 2007</td>
<td>June 1, 2008</td>
</tr>
</tbody>
</table>

6) **Future Specification Revisions:** EPA reserves the right to change the specification should technological and/or market changes affect its usefulness to consumers, industry, or the environment. In keeping with current policy, revisions to the specification are arrived at through industry discussions. In the event of a specification revision, please note that the ENERGY STAR qualification is not automatically granted for the life of a product model.