

ENERGY STAR Commercial Ovens Product List

List Posted on October 28, 2013

Below are currently qualified ENERGY STAR models available for sale in the U.S. and Canada.

\*Date Available on Market is not available for products qualified prior to January 1, 2011.

\*\*Data Qualified is not available for products qualified prior to January 1, 2011.

| ENERGY STAR Partner               | Brand          | Model Name          | Model Number  | Additional Model Information                 | Product Type              | Size      | Input Rate (kW) | Input Rate (Btu/h) | Idle Energy Rate (kW) | Idle Energy Rate (Btu/h) | Cooking Energy Efficiency (%) | Door Type | Additional Door Type(s) | Date Available on Market* | Date Qualified** |
|-----------------------------------|----------------|---------------------|---------------|----------------------------------------------|---------------------------|-----------|-----------------|--------------------|-----------------------|--------------------------|-------------------------------|-----------|-------------------------|---------------------------|------------------|
| Alto-Shaam, Inc.                  | Alto-Shaam     | ASC-2E              | ASC-2E        |                                              | Electric Convection Ovens | Half-size | 5.0             |                    | 0.82                  |                          | 0.71                          | Glass     | N/A                     |                           |                  |
| Alto-Shaam, Inc.                  | Alto-Shaam     | ASC-4E              | ASC-4E        |                                              | Electric Convection Ovens | Full-size | 10.4            |                    | 1.2                   |                          | 0.73                          | Glass     | N/A                     |                           |                  |
| American Range Corporation        | American Range | Majestic            | M-1GL         | M-1, M-2G                                    | Gas Convection Ovens      | Full-size |                 | 80000              |                       | 10842                    | 0.44                          | Glass     | N/A                     |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | APW Wyott      |                     | 455BCOGL1     |                                              | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11753                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | APW Wyott      |                     | EBCOER21      |                                              | Electric Convection Ovens | Full-size | 10.5            |                    | 1.4                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | Bakers Pride   |                     | 455BCOGL1     | BCO-G1, BCO-G2, GDCO-G1, GDCO-G2             | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11753                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | Bakers Pride   |                     | EBCOER21      | BCO-E1, BCO-E2, GDCO-E1, GDCO-E2             | Electric Convection Ovens | Full-size | 10.5            |                    | 1.4                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | Bevles         |                     | 455BCOGL1     |                                              | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11753                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | Bevles         |                     | EBCOER21      |                                              | Electric Convection Ovens | Full-size | 10.5            |                    | 1.4                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | BKI            |                     | 455BCOGL1     | COM-GS, COM-GD, COB-GS, COB-GD               | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11753                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Bevles/Bakers Pride/BKI/APW Wyott | BKI            |                     | EBCOER21      | COB-E, COM-E, COB-ES, COB-ED, COM-ES, COM-ED | Electric Convection Ovens | Full-size | 10.5            |                    | 1.4                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | CTB/R1              | CTB/R1        |                                              | Electric Convection Ovens | Half-size | 6.8             |                    | 1                     |                          | 71                            | Glass     | N/A                     |                           |                  |
| Blodgett Oven Company             | Blodgett       | DFG-100             | DFG-100       |                                              | Gas Convection Ovens      | Full-size |                 | 55000              |                       | 12160                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | DFG-200             | DFG-200       |                                              | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 12280                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | Mark-V              | MK111         |                                              | Electric Convection Ovens | Full-size | 11.0            |                    | 1.5                   |                          | 0.71                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | SH1E                | SH1E          | SHO-E                                        | Electric Convection Ovens | Full-size | 11.0            |                    | 1.5                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | SH1G                | SH1G          | SHO-G                                        | Gas Convection Ovens      | Full-size |                 | 50000              |                       | 12218                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | XCEL-50, EXCEL-50EC | XL-50E        | XL-50EC                                      | Electric Convection Ovens | Half-size | 13.0            |                    | 0.6                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company             | Blodgett       | Zephaire-240E Plus  | Zephaire-240E |                                              | Electric Convection Ovens | Full-size | 11.0            |                    | 1.5                   |                          | 0.75                          | Glass     | Solid                   |                           |                  |



| ENERGY STAR Partner                                  | Brand         | Model Name         | Model Number  | Additional Model Information               | Product Type              | Size      | Input Rate (kW) | Input Rate (Btu/h) | Idle Energy Rate (kW) | Idle Energy Rate (Btu/h) | Cooking Energy Efficiency (%) | Door Type | Additional Door Type(s) | Date Available on Market* | Date Qualified** |
|------------------------------------------------------|---------------|--------------------|---------------|--------------------------------------------|---------------------------|-----------|-----------------|--------------------|-----------------------|--------------------------|-------------------------------|-----------|-------------------------|---------------------------|------------------|
| Blodgett Oven Company                                | Blodgett      | Zephaire-240G Plus | Zephaire-240G |                                            | Gas Convection Ovens      | Full-size |                 | 50000              |                       | 10959                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company                                | Blodgett      | Zephaire-E         | Zephaire-E    | Zephaire-E Plus and Zephaire-G Plus        | Electric Convection Ovens | Full-size | 11.0            |                    | 1.6                   |                          | 0.71                          | Glass     | Solid                   |                           |                  |
| Blodgett Oven Company                                | Blodgett      | Zephaire-G         | Zephaire-G    |                                            | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 12283                    | 0.44                          | Glass     | Solid                   |                           |                  |
| Convotherm (A division of Manitowoc Foodservice)     | Convotherm    | OGS 20.20          | OGS 20.20     |                                            | Gas Combination Oven      | Full-Size |                 |                    |                       |                          |                               | Glass     | N/A                     | 9/3/2013                  | 9/11/2013        |
| Doyon Equipment Inc.                                 | Doyon         | Jet Air Plus Oven  | JA5P2618      |                                            | Electric Convection Ovens | Full-size | 11.2            |                    | 1.3                   |                          | 73                            | Glass     | Solid                   |                           |                  |
| Duke Manufacturing Co.                               | Duke          | 613-G1             | 613-G1        | 613-G2                                     | Gas Convection Ovens      | Full-size |                 | 40000              |                       | 12280                    | 0.54                          | Glass     | Solid                   |                           |                  |
| Duke Manufacturing Co.                               | Duke          | E101-G             | E101-G        | E102-G, 613Q-G1, 613Q-G2                   | Gas Convection Ovens      | Full-size |                 | 40000              |                       | 12091                    | 0.55                          | Glass     | Solid                   |                           |                  |
| Garland Group (A division of Manitowoc Foodservice)  | Garland Group | MCO                | MCO-GS-10ESS  | MCO-GS-20ESS                               | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11357                    | 0.45                          | Glass     | Solid                   |                           |                  |
| Corporation (A division of ITW Food Equipment Group) | Hobart        | DGC5 Series        | DGC501        | DGC502                                     | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11850                    | 0.46                          | Solid     | N/A                     |                           |                  |
| Corporation (A division of ITW Food Equipment Group) | Hobart        | HGC Series         | HGC501        | HGC502                                     | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11850                    | 0.46                          | Glass     | N/A                     |                           |                  |
| Corporation (A division of ITW Food Equipment Group) | Hobart        | HGC Series         | HGC501X       | HGC502X                                    | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11097                    | 0.47                          | Glass     | N/A                     |                           |                  |
| Imperial Commercial Cooking Equipment                | Imperial      |                    | ICVE-1        | ICVE-2                                     | Electric Convection Ovens | Full-size | 11.0            |                    | 1.6                   |                          | 0.72                          | Glass     | Solid                   |                           |                  |
| Imperial Commercial Cooking Equipment                | Imperial      |                    | ICVG-1        | ICVG-2                                     | Gas Convection Ovens      | Full-size |                 | 70000              |                       | 10758                    | 0.46                          | Glass     | Solid                   |                           |                  |
| Lang Manufacturing                                   | Lang          | CHEF SERIES        | ECSF-ES       | ECSF-EZ                                    | Electric Convection Ovens | Full-size | 12.3            |                    | 1.6                   |                          | 0.76                          | Glass     | N/A                     |                           |                  |
| Lang Manufacturing                                   | Lang          | LANG               | ECOD-AP       | Suffix options: - C, -S, -AT, -PP, -PT     | Electric Convection Ovens | Full-size | 11.5            |                    | 1.5                   |                          | 0.75                          | Glass     | Solid                   |                           |                  |
| Lang Manufacturing                                   | Lang          | LANG               | ECOF-AT       | Suffix options: - C, -S, -AP, -PP, -PT, -T | Electric Convection Ovens | Full-size | 11.5            |                    | 1.5                   |                          | 0.74                          | Glass     | Solid                   |                           |                  |
| Lang Manufacturing                                   | Lang          | LANG               | ECOH-AP       | ECOH-PP, ECOH-PT                           | Electric Convection Ovens | Half-size | 7.8             |                    | 0.95                  |                          | 0.77                          | Glass     | Solid                   |                           |                  |
| Lang Manufacturing                                   | Lang          | LANG               | GCOF-AP       | Suffix options: - S, -PP, -PT, -T          | Gas Convection Ovens      | Full-size |                 | 55000              |                       | 11486                    | 0.46                          | Glass     | Solid                   |                           |                  |
| Lang Manufacturing                                   | Lang          | LANG               | GCSF-ES       | GCSF-EZ                                    | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 10382                    | 0.45                          | Glass     | Solid                   |                           |                  |
| Moffat Limited                                       | Blue Seal     | Turbofan           | E32D5         |                                            | Electric Convection Ovens | Full-size | 6.5             |                    | 0.95                  |                          | 0.78                          | Glass     | Solid                   |                           |                  |
| Moffat Limited                                       | Blue Seal     | Turbofan           | G32D5         |                                            | Gas Convection Ovens      | Full-size |                 | 33000              |                       | 11433                    | 0.48                          | Glass     | Solid                   |                           |                  |
| Moffat Limited                                       | Moffat        | Turbofan           | E32D5         |                                            | Electric Convection Ovens | Full-size | 6.5             |                    | 0.95                  |                          | 0.78                          | Glass     | Solid                   |                           |                  |



| ENERGY STAR Partner                             | Brand                          | Model Name                           | Model Number | Additional Model Information            | Product Type              | Size      | Input Rate (kW) | Input Rate (Btu/h) | Idle Energy Rate (kW) | Idle Energy Rate (Btu/h) | Cooking Energy Efficiency (%) | Door Type | Additional Door Type(s)               | Date Available on Market* | Date Qualified** |
|-------------------------------------------------|--------------------------------|--------------------------------------|--------------|-----------------------------------------|---------------------------|-----------|-----------------|--------------------|-----------------------|--------------------------|-------------------------------|-----------|---------------------------------------|---------------------------|------------------|
| Moffat Limited                                  | Moffat                         | Turbofan                             | G32D5        |                                         | Gas Convection Ovens      | Full-size |                 | 33000              |                       | 11433                    | 0.48                          | Glass     | Solid                                 |                           |                  |
| Moffat Limited                                  | Moffat, Blue Seal, Grupo Alpha | E32D5                                | E32D5        |                                         | Electric Convection Ovens | Full-Size |                 |                    |                       |                          |                               | Glass     | N/A                                   | 5/1/2013                  | 7/10/2013        |
| Moffat Limited                                  | Moffat, Blue Seal, Grupo Alpha | E33T5                                | E33T5        |                                         | Electric Convection Ovens | Half-Size |                 |                    |                       |                          |                               | Glass     | N/A                                   | 5/1/2013                  | 7/10/2013        |
| Royal Range Of California, Inc.                 | Royal                          |                                      | RCOS-1       | RCOS-2                                  | Gas Convection Ovens      | Full-size |                 | 70000              |                       | 12540                    | 0.45                          | Glass     | Glass/Solid, Solid/Solid, Glass/Glass |                           |                  |
| Southbend                                       | Southbend                      | Marathoner Gold, Silver Star, Bronze | ES/10        | ES/20, SLES/10, SLES/20                 | Electric Convection Ovens | Full-size | 11.0            |                    | 1.2                   |                          | 0.8                           | Glass     | Solid                                 |                           |                  |
| Southbend                                       | Southbend                      | Marathoner Gold, Silver Star, Bronze | GS25         | BGS/12, BGS/22, SLGS/12, SLGS/22, GS/15 | Gas Convection Ovens      | Full-size |                 | 90000              |                       | 12465                    | 0.46                          | Glass     | Solid                                 |                           |                  |
| The Montague Company                            | Montague                       | Vectaire HX                          | HX-63A       | HX2-063A, HX-63AH, HX2-63AH             | Gas Convection Ovens      | Full-size |                 | 63000              |                       | 12890                    | 0.44                          | Glass     | Solid                                 |                           |                  |
| Vulcan (A division of ITW Food Equipment Group) | Vulcan                         | SG Series                            | SG4          |                                         | Gas Convection Ovens      | Full-Size |                 | 60000              |                       | 9527                     | 0.48                          | Glass     | N/A                                   | 3/15/2013                 | 2/6/2013         |
| Vulcan (A division of ITW Food Equipment Group) | Vulcan                         | SG Series                            | SG4D         | SG44D                                   | Gas Convection Ovens      | Full-size |                 | 60000              |                       | 11360                    | 0.48                          | Glass     | N/A                                   |                           |                  |
| Vulcan (A division of ITW Food Equipment Group) | Vulcan                         | VC Series                            | VC4GD        | VC44GD                                  | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11850                    | 0.46                          | Glass     | N/A                                   |                           |                  |
| Vulcan (A division of ITW Food Equipment Group) | Vulcan                         | VC Series                            | VC6GD        | VC66GD                                  | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11097                    | 0.47                          | Glass     | N/A                                   |                           |                  |
| Vulcan (A division of ITW Food Equipment Group) | Wolf                           | WKG Series                           | WKGD1        | WKGD2                                   | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11850                    | 0.46                          | Glass     | N/A                                   |                           |                  |
| Vulcan (A division of ITW Food Equipment Group) | Wolf                           | WLGO Series                          | WLGO         | WLGO2                                   | Gas Convection Ovens      | Full-size |                 | 44000              |                       | 11850                    | 0.46                          | Glass     | N/A                                   |                           |                  |
| Wells Mfg.                                      | Wells                          | M4200-208                            | M4200-208    |                                         | Electric Convection Ovens | Half-size | 7.5             |                    | 0.95                  |                          | 0.72                          | Solid     | N/A                                   |                           |                  |
| Wells Mfg.                                      | Wells                          | M4200-240                            | M4200-240    |                                         | Electric Convection Ovens | Half-size | 8.4             |                    | 0.95                  |                          | 0.72                          | Solid     | N/A                                   |                           |                  |



## Definitions for Commercial Ovens Column Headers

| Column Header                         | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENERGY STAR Partner</b>            | An organization that signed a Partnership Agreement with EPA to manufacture or private label ENERGY STAR qualified products.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Brand</b>                          | An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Model Name</b>                     | An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Model Number</b>                   | A distinguishing identifier, usually alphanumeric, assigned to a product by the manufacturer or private labeler.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Additional Model Information</b>   | An identifier assigned by the manufacturer or private labeler to a product or family/series of products for sales and marketing purposes. This column includes alternative means to identify the model/model family (e.g., additional model names, additional model numbers, retailer SKUs, product descriptions).                                                                                                                                                                                             |
| <b>Product Type</b>                   | Designates the type of commercial oven model, according to the following options for Version 1.1:<br>1) Electric convection oven<br>2) Gas convection oven                                                                                                                                                                                                                                                                                                                                                     |
| <b>Size</b>                           | Designates the size of the commercial oven model, according to the following options for Version 1.1:<br>1) Full-size convection oven (a convection oven that is able to accept a minimum of five standard full-size sheet pans measuring 18 x 26 x 1-inch)<br>2) Half-size convection oven (a convection oven that is able to accept a minimum of five sheet pans measuring 18 x 13 x 1-inch). The Version 1.1 specification covers full-size and half-size electric ovens, and full-size only for gas ovens. |
| <b>Input Rate (kW or Btu/h)</b>       | For ovens with variable Btu/h or kW input, each available input shall be tested individually and meet the cooking energy efficiency and idle energy rate requirements of the specification.                                                                                                                                                                                                                                                                                                                    |
| <b>Idle Energy Rate (kW or Btu/h)</b> | For ovens with variable Btu/h or kW input, each available input shall be tested individually and meet the cooking energy efficiency and idle energy rate requirements of the specification. The calculated gas or electric oven convection mode idle energy rate value.                                                                                                                                                                                                                                        |





| Column Header                        | Definition                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cooking Energy Efficiency (%)</b> | The ratio of energy absorbed by the food product to the total energy supplied to the oven during cooking.                                                                                                                                                                                                                                                                                            |
| <b>Door Type</b>                     | The door type (e.g., solid, glass) of the commercial oven model that was tested to ASTM F1496-99 (Reapproved 2005), Standard Test Method for Performance of Convection Ovens.                                                                                                                                                                                                                        |
| <b>Additional Door Type(s)</b>       | The additional door types (e.g., solid, glass) that qualify as part of the model family. For model families, variations of one model offered within a single product line based on the same engineering design with differences limited to door options. (For qualification of a product family, the most energy consuming model within the product family shall serve as the representative model.) |
| <b>Date Available on Market</b>      | The date that the model is available for purchase.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Date Qualified</b>                | The date on which the product was confirmed to meet the ENERGY STAR specification.                                                                                                                                                                                                                                                                                                                   |



## Key Efficiency Criteria

Qualified models meet all ENERGY STAR requirements as listed in the Version 1.1 ENERGY STAR Program Requirements for Commercial Ovens effective May 16, 2009.

| Energy Efficiency Requirements for Gas Convection Ovens      |                |
|--------------------------------------------------------------|----------------|
| Full Size                                                    |                |
| Cooking Energy Efficiency*                                   | ≥ 44%          |
| Idle Energy Rate                                             | ≤ 13,000 Btu/h |
| Energy Efficiency Requirements for Electric Convection Ovens |                |
| Half Size                                                    |                |
| Cooking Energy Efficiency*                                   | ≥ 70%          |
| Idle Energy Rate                                             | ≤ 1.0 kW       |
| Full Size                                                    |                |
| Cooking Energy Efficiency*                                   | ≥ 70%          |
| Idle Energy Rate                                             | ≤ 1.6 kW       |

**Note:**

\*Based on the ASTM F1496 heavy-load (potato) cooking test.