

ENERGY STAR Commercial Ovens Template

**Release Date:** TBD

**Description:** Information for certification bodies to provide to EPA on products certified as meeting the eligibility criteria for the ENERGY STAR® Program Requirements for Commercial Ovens Version 2.0, 2.1, or 2.2. Additional instructions for submitting this information to EPA are available at www.energystar.gov/qpx.

**Total Columns:** 69

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| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Required/ Optional** | **Multiple Select** | **Data Type** | **Restrictions** | **Enumerations** |
| **Product Specific Information** | | | | | | | | |
| ENERGY STAR Specification Version |  | R | N | Enumeration Data |  | * 2.0 * 2.1 * 2.2 |  |  |
| Product Type |  | R | N | Enumeration Data |  | * Electric Convection Ovens * Gas Convection Ovens * Electric Combination Oven * Gas Combination Oven * Gas Single Rack * Gas Double Rack |  |  |
| Method of Steam Generation | Required for combination ovens. | O | N | Enumeration Data | Min Occurs: 0 | * Boiler * Boiler-less |  |  |
| Size |  | R | N | Enumeration Data |  | * Half-Size * Full-Size |  |  |
| Steam Pan Capacity | Required for combination ovens. Provide the number of steam pans the oven can accommodate based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Integer | Min Occurs: 0 Min Value: 1 Max Value: 40 |  |  |  |
| Half-Size Sheet Pan Capacity | Required for half-size convection ovens. Provide the number of half-size sheet pans the oven can accommodate based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Integer | Min Occurs: 0 Min Value: 1 Max Value: 20 |  |  |  |
| Full-Size Sheet Pan Capacity | Required for full-size convection ovens. Provide the number of full-size sheet pans the oven can accommodate based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Integer | Min Occurs: 0 Min Value: 1 Max Value: 20 |  |  |  |
| Heat Source Fuel-Type |  | R | N | Enumeration Data |  | * Gas * Electric |  |  |
| Door Type |  | R | N | Enumeration Data |  | * Glass * Solid * Glass/Solid |  |  |
| Additional Door Types | Provide additional door types. Indicate N/A if no additional door types. | R | N | Enumeration Data |  | * Glass * Solid * Glass/Solid * N/A |  |  |
| Voltage (V) | Required for electric ovens. Provide the value based on measured test data. | O | N | Integer | Min Occurs: 0 Min Value: 100 |  |  |  |
| Electric Oven Input Rate (kW) | Required for electric ovens. Provide the value based on measured test data. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Gas Oven Input Rate (Btu/h) | Required for gas ovens. Provide the value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Gas Oven Convection Mode Pre-Heat Energy (Btu) | Required for gas ovens. Provide the calculated pre-heat energy value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Convection Mode Pre-Heat Time (min) | Required for convection, combination, and rack ovens. Provide the pre-heat time value based on measured test data. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Electric Oven Convection Mode Pre-Heat Energy (kWh) | Required for electric ovens. Provide the calculated pre-heat energy value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Gas Oven Convection Mode Idle Energy Rate (Btu/h) | Required for gas ovens. Provide the calculated gas oven convection mode idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Electric Oven Convection Mode Idle Energy Rate (kW) | Required for electric ovens. Provide the calculated electric oven convection mode idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Gas Oven Convection Mode Electric Idle Energy Rate (kW) | Required for gas ovens. Provide the calculated gas oven convection mode electric idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Gas Oven Convection Mode Total Idle Energy Rate (Btu/h) | Required for gas ovens. Provide the calculated gas oven convection mode total idle energy rate value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Gas Oven Steam Mode Pre-Heat Energy (Btu) | Required for gas combination ovens. Provide the calculated pre-heat energy value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Steam Mode Pre-Heat Time (min) | Required for combination ovens. Provide the calculated pre-heat time value based on measured test data. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Electric Oven Steam Mode Pre-Heat Energy (kWh) | Required for electric combination ovens. Provide the calculated pre-heat energy value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Convection Mode Average Idle Rate Temperature (°F) | Provide the calculated convection mode average idle rate temperature value based on measured test data. | R | N | Decimal | No. of Decimal: 2 Min Value: 345 Max Value: 355 |  |  |  |
| Gas Oven Steam Mode Idle Energy Rate (Btu/h) | Required for gas combination ovens. Provide the calculated gas oven steam mode idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Electric Oven Steam Mode Idle Energy Rate (kW) | Required for electric combination ovens. Provide the calculated electric oven steam mode idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Gas Oven Steam Mode Electric Idle Energy Rate (kW) | Required for gas combination ovens. Provide the calculated gas oven steam mode electric idle energy rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Gas Oven Steam Mode Total Idle Energy Rate (Btu/h) | Required for gas combination ovens. Provide the calculated gas oven convection mode total idle energy rate value based on measured test data. | O | N | Integer | Min Occurs: 0 |  |  |  |
| Steam Mode Average Idle Rate Temperature (°F) | Required for combination ovens. Provide the calculated steam mode average idle rate temperature value based on measured test data. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Convection Mode Cooking-Energy Efficiency (%) | Required for convection and combination ovens. Provide the calculated convection mode cooking-energy efficiency value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | No. of Decimal: 2 Max Value: 1 |  |  |  |
| Convection Mode Production Capacity (lbs/h) | Required for convection and combination ovens. Provide the calculated convection mode cooking-energy efficiency production capacity value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | No. of Decimal: 2 |  |  |  |
| Convection Mode Average Water Consumption Rate (gal/h) | Required for combination ovens. Provide the calculated convection mode cooking-energy efficiency average water consumption rate value based on measured test data, which will appear on the ENERGY STAR list of qualified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Convection Mode Average Condensate Drain Temperature (°F) | Required for combination ovens. Provide the calculated convection mode cooking-energy efficiency average condensate drain temperature value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Convection Mode Max Condensate Drain Temperature (°F) | Required for combination ovens. Provide the calculated convection mode cooking-energy efficiency test's maximum condensate drain temperature value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Steam Mode Cooking-Energy Efficiency (%) | Required for combination ovens. Provide the calculated steam mode cooking-energy efficiency value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 Max Value: 1 |  |  |  |
| Steam Mode Production Capacity (lbs/h) | Required for combination ovens. Provide the calculated steam mode cooking-energy efficiency production capacity value based on measured test data, which will appear on the ENERGY STAR list of qualified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Steam Mode Average Water Consumption Rate (gal/h) | Required for combination ovens. Provide the calculated steam mode cooking-energy efficiency average water consumption rate value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 Min Value: 0.01 |  |  |  |
| Steam Mode Average Condensate Drain Temperature (°F) | Required for combination ovens. Provide the calculated steam mode cooking-energy efficiency average condensate drain temperature value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Steam Mode Maximum Condensate Drain Temperature (°F) | Required for combination ovens. Provide the calculated steam mode cooking-energy efficiency maximum condensate drain temperature value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Rack Oven Baking-Energy Efficiency (%) | Required for rack ovens. Provide the calculated baking-energy efficiency value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 Max Value: 1 |  |  |  |
| Baking Production Capacity (lbs/h) | Required for rack ovens. Provide the calculated baking-energy efficiency production capacity value based on measured test data, which will appear on the ENERGY STAR list of certified products. | O | N | Decimal | Min Occurs: 0 No. of Decimal: 2 |  |  |  |
| Set-Back Idle Mode | Required for rack ovens. | O | N | Enumeration Data |  | * Yes * No |  |  |