

ECO ST

RAPID COOK OVEN

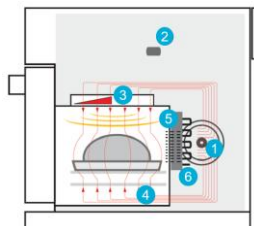


PERFORMANCE

Utilizing TurboChef's patented technology to rapidly cook food without compromising quality, the ECO ST provides superior cooking performance while requiring less space and consuming less energy.

VENTILATION

- UL (KNLZ) listed for ventless operation[†]
- EPA 202 test (8 hr):
 - Product: Pepperoni Pizza
Results: 1.05 mg/m³
 - Product: Sandwiches
Results: 1.91 mg/m³
 - Ventless Requirement: <5.00 mg/m³
- Internal catalytic filtration to limit smoke, grease, and odor emissions.



- | | |
|---|-----------------------------|
| 1. Blower Motor | 4. Air Impingement (Bottom) |
| 2. Top-launched Microwave | 5. Catalytic Converter |
| 3. Stirred Impinged Air (Top) and Microwave | 6. Heater |

EXTERIOR CONSTRUCTION

- Corrosion-resistant steel outer wrap and door
- Cool-to-touch exterior; all surfaces below 122 °F (50 °C)
- Ergonomic door handle
- Capacitive One-Touch screen with tempered glass cover

INTERIOR CONSTRUCTION

- 201/304 stainless steel
- Fully welded and insulated cook chamber
- Removable cook plate and lower jet plate

FEATURES

- Intuitive one-touch interface with customizable images and single- or dual-temperature control
- Unlimited recipe storage
- USB compatible
- Single-motor vertical air impingement circulation with a stirrer for even air and microwave distribution
- Top-launched microwave system
- Ventless operation with external air filtration, powered by a UL (KNLZ) listed catalytic converter system
- Self-diagnostics for monitoring oven components and performance
- Open Kitchen from Powerhouse Dynamics enables cloud connectivity, real-time automated monitoring, predictive maintenance, over-the-air updates, and operational insights. Visit powerhousedynamics.com for more information.

STANDARD INCLUDED ACCESSORIES

- 6-ft (1.8 m) nominal plug and cord
- Warranty includes 1-year parts and labor
- Non-Caustic Powder Oven Cleaner Kit (105702)
- Aluminum Paddle, 9.6" x 13.6" (i1-9716)
- Teflon Solid Cooking Basket 15.5" x 15.5" x 0.5" (105596) (qty 2)



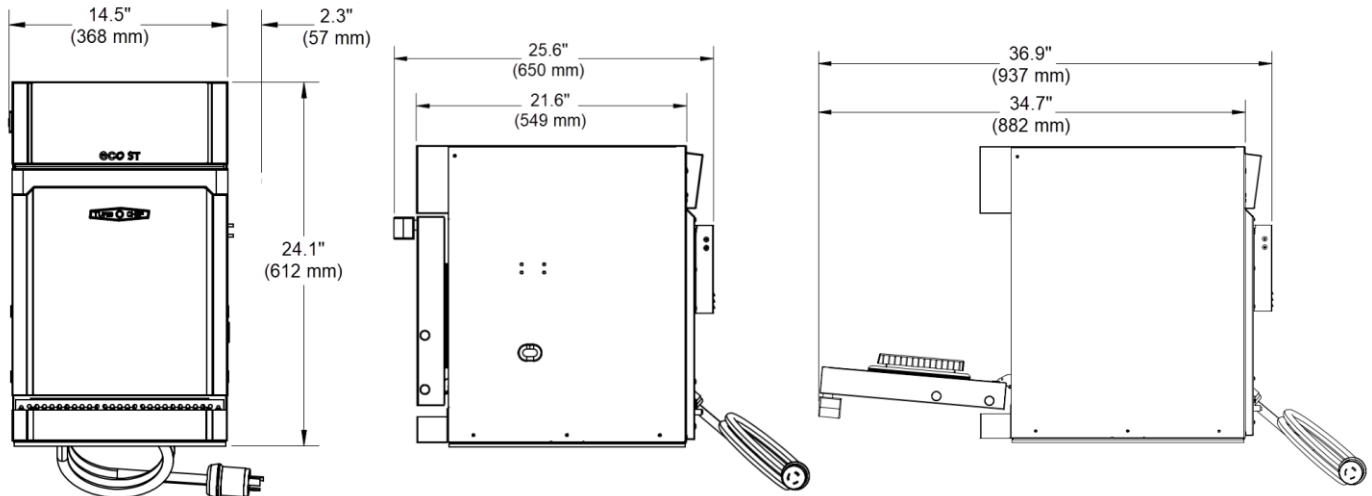
This product conforms to the ventilation recommendations set forth by NFPA 96, using the EPA 202 test method.

[†] Ventless certification applies to all food items except those classified as "fatty raw proteins." These include raw bone-in, skin-on chicken; raw hamburger meat; raw bacon; raw sausage; and raw steaks. When cooking these foods, consult local HVAC codes and authorities to ensure compliance with ventilation requirements.

Ultimate ventless allowance is dependent upon AHJ approval, as some jurisdictions may not recognize the UL certification or application. If you have questions regarding ventless certifications or local codes, call 1-800-908-8726.

TurboChef reserves the right to make substitutions of components or change specifications without prior notice.

ECS-SPC-A / June 2026



DIMENSIONS		
Height	24.1"	612 mm
Width	14.5"	368 mm
Depth	25.6"	650 mm
Weight	110 lb	50 kg
COOK CHAMBER DIMENSIONS		
Height	7"	177.8 mm
With removable cook tray	4.5"	114 mm
Width	12.5"	317.5 mm
Depth	10.2"	259 mm
Volume	0.47 ft ³	13.33 L
WALL CLEARANCE (oven not intended for built-in installation)		
Top	5"	127 mm
Sides	0	0 mm
Back	2"	51 mm

SHIPPING INFORMATION		
U.S.: All ovens shipped within the U.S. are packaged in a double-wall corrugated box banded to a wooden skid. International: All ovens shipped by air or less-than-container load are packaged in wooden crates. Crates incur an additional cost. International LCL: Crates are optional (recommended) at additional cost.		
Box Size	23" x 32" x 38"	584 mm x 813 mm x 965 mm
Crate Size	24" x 33" x 38"	610 mm x 838 mm x 965 mm
Item Class	92.5	
Approximate Boxed Weight	180 lb	82 kg

SHIPPING INFORMATION		
Approximate Crated Weight	213 lb	97 kg
Minimum Entry Clearance Required for the Box	38"	965 mm
Minimum Entry Clearance Required for Crate	38"	965 mm

ELECTRICAL SPECIFICATIONS		
SINGLE PHASE		
US/CANADA		
Stainless Steel: ECS-9500-801 Jet Black (RAL 9005): ECS-9500-805		
Voltage	208/240 VAC	 NEMA 6-30P
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6,200 W*	
Frequency	60 Hz	
Maximum Current	30 A	
UNITED KINGDOM		
Stainless Steel: ECS-9500-813-UK Jet Black (RAL 9005): ECS-9500-817-UK		
Voltage	230 VAC	 IEC 309, 3-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW	
Frequency	50 Hz	
Maximum Current	28 A	

ELECTRICAL SPECIFICATIONS		
SINGLE PHASE		
JAPAN (JK)		
Stainless Steel: ECS-9500-825-JK Jet Black (RAL 9005): ECS-9500-829-JK		
Voltage	200 VAC	 NEMA L6-30, PSE, 3-blade
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	50 Hz	
Maximum Current	30 A	
JAPAN (JK)		
Stainless Steel: ECS-9500-831-JK Jet Black (RAL 9005): ECS-9500-835-JK		
Voltage	200 VAC	 NEMA L6-30, PSE, 3-blade
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	30 A	
BRAZIL (BK)		
Stainless Steel: ECS-9500-837-BK Jet Black (RAL 9005): ECS-9500-841-BK		
Voltage	220 VAC	 IEC 309, 3-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	28 A	
LATIN AMERICA (LA)		
WITH CLEANER Stainless Steel: ECS-9500-849-LA Jet Black (RAL 9005): ECS-9500-853-LA WITHOUT CLEANER Stainless Steel: ECS-9500-855-LA Jet Black (RAL 9005): ECS-9500-859-LA		
Voltage	220 VAC	 NEMA 6-30P
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	28 A	

ELECTRICAL SPECIFICATIONS MULTIPHASE		
EUROPE DELTA (ED)		
Stainless Steel: ECS-9500-867-ED Jet Black (RAL 9005): ECS-9500-871-ED		
Voltage	230 VAC	 IEC 309, 4-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	50 Hz	
Maximum Current	22 A	
EUROPE WYE (EW)		
Stainless Steel: ECS-9500-807-EW Jet Black (RAL 9005): ECS-9500-811-EW		
Voltage	400 VAC	 IEC 309, 5-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	50 Hz	
Maximum Current	11 A	
AUSTRALIA (AU)		
Stainless Steel: ECS-9500-819-AU Jet Black (RAL 9005): ECS-9500-823-AU		
Voltage	400 VAC	 Clipsal, 5-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	50 Hz	
Maximum Current	11 A	
JAPAN (JD)		
Stainless Steel: ECS-9500-873-JD Jet Black (RAL 9005): ECS-9500-877-JD		
Voltage	200 VAC	 NEMA L15-30, PSE, 4-blade
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	50 Hz	
Maximum Current	22 A	

ELECTRICAL SPECIFICATIONS MULTIPHASE		
JAPAN (JD)		
Stainless Steel: ECS-9500-901-JD Jet Black (RAL 9005): ECS-9500-905-JD		
Voltage	200 VAC	 NEMA L15-30, PSE, 4-blade
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	22 A	
KOREA/MIDDLE EAST WYE (KW)		
Stainless Steel: ECS-9500-861-KW Jet Black (RAL 9005): ECS-9500-865-KW		
Voltage	400 VAC	 IEC 309, 5-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	11 A	
KOREA/MIDDLE EAST WYE (SD)		
Stainless Steel: ECS-9500-843-SD Jet Black (RAL 9005): ECS-9500-847-SD		
Voltage	220 VAC	 IEC 309, 4-pin, 32A
Watts	Microwave Output: 3.2 kW Heater Output: 6 kW Maximum Input Power: 6.2 kW*	
Frequency	60 Hz	
Maximum Current	22 A	

⚠ A Type D circuit breaker is recommended for European installations.

⚠ **IMPORTANT:** When positioning the oven near a grill or stove, ensure there is a divider between them with at least 6 inches (153 mm) of space. If the oven is placed near a fryer, a divider must also be installed between the oven and fryer, maintaining a minimum distance of 12 inches (305 mm).