ITEM NO.

COMBITHERM **COMBIOVEN**[™]



MODEL 12-20ESI WITH COMBITOUCH CONTROL ROLL-IN PAN CART INCLUDED CAPACITY OF TWENTY-FOUR (24) FULL-SIZE OR GN 1/1 PANS, TWELVE (12) FULL-SIZE SHEET OR GN 2/1 PANS



 Intuitive CombiTouch control is fully operable from the touch screen.

12•20_{ESi}

COMBItouch[™]

- Store up to 250 recipes, each with up to 9 steps. CombiTouch comes standard with more than 100 preprogrammed recipes and photos.
- Multi-shelf Timers track cooking time of ten different food items in the same oven.
- Gold-n-BrownTM Six precise and consistent browning levels are available with the CombiTouch. The exclusive Gold-n-Brown feature gives the operator the ability to achieve the ideal cooking environment for the ideal finish.
- EcoSmart[™] design uses less electricity and water than competitive models. CombiTouch features a Reduced Energy setting, which further minimizes electricity use.
- The CombiTouch advanced reversing fan design provides excellent baking results and prevents excessive water and power consumption.
- Cook with the included product temperature probe or by time.
- Cooks with variable steam, convection heat, or a combination of both to roast, steam, bake, or oven-fry. Cooking speeds are increased by as much as 70% compared to conventional cooking methods.
- CombiClean[™] feature uses scrubbing jets of water for fully automated cleaning. Use either commercial-strength CombiClean Tablets or Combitherm Cleaning Liquid Spray.
- Boiler-free flash-steam generation increases reliability by eliminating boiler maintenance and boiler heating element burnout. Steam levels are maintained without a water reservoir.
- Optional, patented CombiSmoke[™] smoking technology (U.S. Pat. 7,157,668; EU Pat. 1659911) smokes any product, hot or cold.

SHORT FORM SPECIFICATIONS:

Provide Alto-Shaam Combitherm[®] floor standing Model 12•20ESi flash-steam electric CombiOven[™] designed with EcoSmart[™] technology for reduced energy and water usage and include operational modes for steam, convection, and a combination of steam and convection heat. Standard features to include patented automatic steam venting; Gold-n-Brown™ browning function with a choice of six different levels; two-speed reversing fan with coordinated venting system, two individual USB ports for data access, and a self-adjusting, flush-mounted rotary door handle. Oven is to be constructed of 18 gauge stainless steel, include an attached spray hose with backflow preventer, quick-connect single-point internal product temperature probe in the oven interior, cool-down function, and automatic cleaning function. Each oven is to accommodate up to 12 full-size sheet pans or 24 full-size hotel pans, include standard right-hand door hinging, and Roll-in pan cart with removable drip tray and cart handle. The oven is to include the patented CombiSmokeTM smoking function (only if requested with order).

CombiTouch™ Control: Touch sensitive, graphics based control to include more than 100 preprogrammed recipes and photos, programming capability for up to 250 recipes - each with up to 9 steps, ten multi-shelf timers, and on-board diagnostics.





12•20esi combitouch

| <u>, , , , , , , , , , , , , , , , , , , </u> | COMBI †OUCh™ |
|---|---|
| 4-5/8" (117mm) (1-7/8" (302mm) (302mm) (125mm) (125mm) (125mm) (125mm) (125mm) (125mm) (125mm) (125mm) (125mm) (302mm) (30 | ain (1136mm) (1136mm) (1136mm) (1136mm) (1136mm) (1136mm) (1136mm) (1151mm) |
| | DIMENSIONS: H x W x D EXTERIOR: |
| INSTALLATION REQUIREMENTS | 54-3/8" x 46-3/4" x 48" (1381mm x 1186mm x 1218mm) |
| Oven must be installed level. Hood installation is required. Water supply shut-off valve and back-flow | EXTERIOR WITH RECESSED DOOR: 54-3/8" x 50-3/4" x 48" (1381mm x 1288mm x 1218mm) |
| WATER REQUIREMENTS | WATER QUALITY MINIMUM STANDARDS |
| TWO (2) COLD WATER INLETS - ONE (1) TREATED WATER INLET: 3/4" NJ ONE (1) UNTREATED WATER INLET: 3/4" NJ LINE PRESSURE: 30 to 90 WATER DRAIN: 1-1/2" CONNECTION WITH INSTALLED AS CLOSE TO THE CLEARANCE REQUIREMENTS LEFT: 6" (152mm) RECOMMENDED SERVI 20" (508mm) FROM HEAT PRODUCI RIGHT: 4" (102mm) TOP: 20" (5 BACK: 4" (102mm) BOTTOM: 5-1/8 | PT* * Can manifold off of one 3/4" line. PT* * Can manifold off of one 3/4" line. PSi 2.8 to 6.2 bar A 2" MINIMUM AIR GAP E OVEN AS POSSIBLE CE ACCESS: 18" (457mm) NG EQUIPMENT MINIMUM WATER QUALITY STANDARDS WILL VOID THIS WARRANTY. It is the responsibility of the purchaser to ensure that incoming water supply is compliant with the specifications listed through adequate treatment measures. Installation of the CombiGuard TM Water Filtration System is recommended, but this system may not address all water quality issues present. Contaminant Inlet Water Requirements (untreated water) Free Chlorine Less than 3 gpg (52 ppm) Chloride Chloride Less than 30 ppm (mg/L) DB8mm) FOR AIR MOVEMENT Silica G" (130mm) FOR LEGS Alkalinity |
| ELECTRICAL (DEDICATED CIRCUIT REQU | IRED) 12•20esi 12•20esi/sk |
| VOLTAGEPHASECY0 * * * * * * * * * * * * *at 2083 | CLE/HZ AWG AMPS kW AMPS kW 60 3 Wire plus ground 75.6/ph 27.2 77.0/ph 27.7 AWG 2 87.0/ph 36.1 88.2/ph 36.6 |
| at 380 3 at 415 | 50 4 Wire plus ground 41.4/ph 27.2 42.1/ph 27.7 AWG 6 50.0/ph 35.7 51.0/ph 36.6 |
| at 440 3* 4 4 4 4 80 | 60 3 Wire plus ground 36.0/ph 27.2 36.4/ph 27.7 AWG 6 43.5/ph 36.1 44.0/ph 36.6 |
| * ELECTRICAL | SERVICE CHARGE APPLIES |
| WEIGHT | CAPACITY |
| NET 630 lb (286 kg) SHIP 750 lb (340 kg) CRATE DIMENSIONS: (L X W X H) EST | FULL-SIZE PANS: 20" x 12" x 2-1/2" Twenty-four (24) GN 1/1: 530 x 325 x 65mm Twenty-four (24) GN 2/1: 650 x 530 x 65mm Twelve (12) FULL-SIZE SHEET PANS:* 18" x 26" x 1" Twelve (12) ON WIRE SHELVES ONLY Twelve (12) Twelve (12) |
| 53" x 53" x 87" (1346 x 1346 x 2210mm) | 288 lb (131 kg) maximum volume maximum: 180 quarts (228 liters) |

COMBITHERM.





Cooking

Recipe

Gold-n-Brown M

Multi-Shelf Timer



Steam Mode

- Automatic steaming at 212°F (100°C).
- Quick steaming 213°F to 250°F (101°C to 121°C).
- Low temperature steaming between 85°F and 211°F (29°C and 99°C) for poaching or proofing.



Combination Mode

- Combines steam and convection modes for faster preparation and better moisture retention.
- Improves yield, quality and shelf life.
- Automatic humidity control.
- Temperature range of 212°F to 485°F (100°C to 252°C).

Cor

- Convection Mode
- Cooking, roasting, baking and finishing applications at a temperature range of 85°F to 485°F (29°C to 252°C).

Retherm Mode

- Bulk food or plated meal reheating with automatic steam injection.
- Automatic humidity control.
- Temperature range of 245°F to 320°F (118°C to 160°C).

Gold-n-Brown™

• Six levels of Gold-n-Brown are featured. Gold-n-Brown vents just the right amount of humidity in the oven cavity for perfect browning.

Moisture Injection

• A quick burst of moisture can be added with a touch of a button at any time when cooking in the convection mode.



HACCP Data Access

• CombiTouch models records cooking mode, time and temperature completed within a two week time period. The information is captured in a text format and can be downloaded to a USB device.



CombiSmoke™ (option) (U.S. Pat. 7,157,668; EU Pat. 1659911)

- Smoke any product, hot or cold, utilizing real wood chips.
- Functions in both combination and convection mode.
- Function can be programmed into operating procedure.

Factory Installed Options:

(may require additional lead time)

- □ **Smoking Function** (U.S. Pat. 7,157,668; EU Pat. 1659911) Must be requested at the time of order. Sample bag of wood chips included.
- □ Recessed Door Right Hinging Increases oven width by 4" (102mm)
- □ Multi-point, hard-wired internal product temperature probe [5005678]
- □ **Security Devices** for correctional facility use. Excludes temperature probe.

Additional Security Options

- □ Anti Entrapment Device [5011081]
- □ Control Panel Security Cover [5011080]
- □ Hasp Door Lock (padlocks not included) [5011079]
- □ Tamper-Proof Screw Package for oven [5011082]





| OPTIONS & ACCESSORIES | |
|---|-----------------------|
| □ CHICKEN GREASE TRAY WITH DRAIN: 1-1/2" (38mm) DEEP | 4758 |
| □ CHICKEN GREASE TRAY WITH DRAIN: 2-3/4" (70mm) DEEP | 14475 |
| CHICKEN ROASTING RACKS: | |
| □ 6 CHICKEN CAPACITY — FITS FULL-SIZE PAN: 6 RACKS PER OVEN | SH-23000 |
| □ 8 CHICKEN CAPACITY — FITS FULL-SIZE PAN: 8 RACKS PER OVEN | SH-23619 |
| \Box 10 chicken capacity — Fits in side racks: 8 racks per oven | SH-22634 |
| □ COMBIGUARD TM BWS BLENDED WATER SYSTEM (INCLUDES 50 GALLON TANK, 1 MEMBRANE | & 3 filters) FI-28727 |
| □ COMBIGUARD TM BWS REPLACEMENT FILTER CARTRIDGE AMS-QT | FI-29316 |
| □ COMBIGUARD [™] BWS REPLACEMENT FILTER CARTRIDGE SCLX2-Q | FI-29317 |
| □ COMBIGUARD TM BWS REPLACEMENT PREFILTER FILTER CARTRIDGE CTO-Q | FI-29318 |
| □ COMBIGUARD TM 20 TRIPLE-GUARD WATER FILTRATION SYSTEM (INCLUDES 1 CARTRIDGE | E) FI-28728 |
| □ COMBIGUARD TM 20 TRIPLE-GUARD REPLACEMENT FILTER | FI-28744 |
| □ COMBITHERM CLEANING LIQUID — SPECIALLY FORMULATED FOR COMBITHERM OVENS | |
| ➡ TWELVE (12) CONTAINERS/CASE, 1 QUART (C. 1 LITER) EACH [SPECIAL HANDLING REQUIRED] | CE-24750 |
| □ COMBICLEAN TM TABLETS — SPECIALLY FORMULATED FOR COMBITHERM OVENS | |
| \Rightarrow 90 packets each container - must be ordered in even quantities of two (2) | CE-28892 |
| | CONTACT FACTORY |
| □ FRY BASKET, 12" x 20" (325mm x 530mm) | BS-26730 |
| □ GRILLING GRATE , 12" x 20" (325mm x 530mm) | SH-26731 |
| PREHEAT SEALING STRIP (TO PREHEAT RIGHT HAND UNITS WITHOUT ROLL-IN TROLLEY) | 1010739 |
| PREHEAT SEALING STRIP (TO PREHEAT RECESSED DOOR UNITS WITHOUT ROLL-IN TROLLEY) | 1010752 |
| □ PROBE, SOUS VIDE | PR-34747 |
| ROLL-IN PAN CART: | UN-27968 |
| (H X W X D): 48-13/16" x 28-15/16" x 35-3/16" (1240mm x 734mm x 892mm) | |
| interchangeable with $12 \bullet 20$ combinate holding cabinet and QC-50 quickchiller | |
| □ ROLL-IN PAN CART — SECURITY OPTION: | 5010365 |
| INCLUDES TAMPER-PROOF SCREWS AND WELDED HANDLE | |
| (H X W X D): 48-13/16" x 28-15/16" x 35-3/16" (1240mm x 734mm x 892mm) | |
| interchangeable with $12 \bullet 20$ combinate holding cabinet and QC-50 quickchiller | |
| ROLL-IN PLATE CART: | |
| (H X W X D): 48-3/4" x 28-15/16" x 36-7/8" (1238mm x 734mm x 937mm) | |
| interchangeable with $12 \bullet 20$ combinate holding cabinet and QC-50 quickchiller | |
| \Box 52 plate capacity – | |
| plate size 10" to 12" diameter (254mm to 305mm) plates; $3-3/4$ " (95mm) spacing | UN-28456 |
| \Box 70 plate capacity – | |
| PLATE SIZE 10" TO 12" DIAMETER (254mm TO 305mm) PLATES; 2-3/4: (70mm) SPACING | UN-27969 |
| $\Box \text{ SCALE FREE}_{\text{TM}} (\text{CITRUS BASED, NON-CORROSIVE DELIMING PRODUCT})$ | CE-27889 |
| | PECIFY AS REQUIRED |
| □ SHELF, STAINLESS STEEL WIRE | SH-22473 |
| WOOD CHIPS — BULK PACK 20 lb (9 kg) | |
| | → MapleWC-22545 |
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