

COMBITHERM®

CTC20-10G

GAS BOILER-FREE



CAPACITY

- Twenty (20) full-size or GN 1/1 pans, twenty (20) half-size sheet pans; one row deep
- Roll-in pan cart with twenty (20) non-tilt support rails; 13" (330mm) horizontal width between rails, 2-9/16" (65mm) vertical spacing between rails

CONSTRUCTION

- Stainless steel exterior, bright annealed interior
- Seamless welded interior stainless steel cavity
- CoolTouch3™ triple pane window door with hinged inner glass prevents additional heat loss and increases cooking efficiency
- Door is hinged right with a 130° swing
- High efficiency LED lighting integrated in the door
- Hands free positive catch door handle with lighted visual alerts [PATENT PENDING]
- PROrinse™ ergonomic retractable hand shower includes a safety shutoff interlock that shuts off water to the hose [PATENT PENDING] and a built-in back flow preventer
- SafeVent™ provides automatic steam venting at the end of the cooking cycle [PATENT #7,282,674]
- Zero Clearance system maximizes floor space utilization with features that carefully protect temperature sensitive components and controls [PATENT PENDING]
- Adjustable stainless steel flanged legs provide stability
- Roll-in pan cart includes mounted drip tray and four (4) swivel casters, including two (2) with brakes
- High efficiency modulating gas burner maximizes the residence time of flue gases [PATENT PENDING]

CT CLASSIC™ STANDARD FEATURES

- Oven with state-of-the-art innovative solutions that meld together perfectly to deliver high performance standards, consistent food quality, and production efficiency.
- Classic control provides a simple and intuitive push button operation that commands all the oven functions with icons that are easy to identify.

- LED display indicates cooking mode, temperature settings, time remaining, and various instructions.
- Three cooking modes:
Steam - 85°F to 250°F (30°C to 120°C)
Convection - 85°F to 575°F (30°C to 300°C)
Combination - 212°F to 575°F (100°C to 300°C)
- Cook time is displayed in hours : minutes.

- Two different fan speeds expands cooking capabilities for products affected by a high velocity of air movement.
- Cool down feature provides the operator with the ability to lower the temperature of the oven compartment at an accelerated pace.
- CombiClean® fully automated cleaning with one heavy-duty cleaning cycle.

SHORT FORM SPEC

Provide Alto-Shaam Combitherm® CT Classic™ floor-standing model CTC20-10G boiler-free gas CombiOven designed with EcoSmart® technology for reduced energy and water consumption. Includes operational modes for steam, convection, and a combination of steam and convection heat. Oven is to be constructed of 18 gauge stainless steel interior cavity. Oven includes an attached retractable hand shower spray hose with safety shutoff interlock

system and a back flow preventer. Classic control includes a cool-down function, automatic cleaning function, fan with two (2) fan speeds. Oven includes standard right-hand door hinging with integrated preheat strip and six (6) adjustable stainless steel seismic legs. Roll-in pan cart accommodates up to twenty (20) half-size sheet pans or twenty (20) full-size hotel pans (GN 1/1), twenty (20) non-tilt support rails, and includes ten (10) stainless steel shelves.

FACTORY INSTALLED OPTIONS

Electrical Choices

- 120V 1ph 208-240V 3ph
 380-415V 3ph

Gas Type

- Natural Propane

Door Swing

- Right-hand Door Hinging, standard
 Recessed Door, optional; increases oven width by 5" (127mm), slides out of the way for safety and frees up aisle space

- Extended One-year Warranty

Installation Options (CHOOSE ONLY ONE)

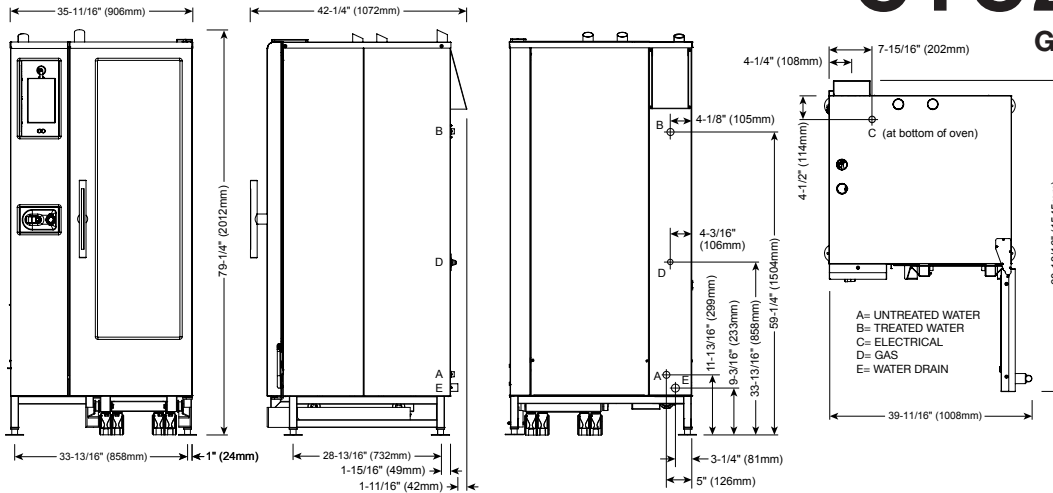
- Alto-Shaam Combitherm Factory Authorized Installation Program - AVAILABLE IN THE U.S. AND CANADA ONLY
 Installation Start-Up Check - AVAILABLE THROUGH AN ALTO-SHAAM AUTHORIZED SERVICE AGENCY

Probe Choices

- Removable, single-point, quick-connect core temperature probe, optional
 Removable, single-point, quick-connect sous vide temperature probe, optional

Security Devices for correctional facility use

- Optional base package (not available with recessed door): Includes tamper-proof screw package, secured door glass, and one (1) correctional institution roll-in pan cart, excludes temperature probe
 Anti-entrapment device, optional
 Control panel security cover, optional
 Hasp door lock (padlock not included), optional
 Removable, single-point, quick-connect core temperature probe, optional



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| DIMENSIONS: H x W x D |
| EXTERIOR: 79-1/4" x 35-11/16" x 42-1/4" (2012mm x 906mm x 1072mm) |
| EXTERIOR WITH RECESSED DOOR: 79-1/4" x 40-11/16" x 42-1/4" (2012mm x 1033mm x 1072mm) |
| INTERIOR: 60-7/16" x 16-1/4" x 28-1/16" (1535mm x 411mm x 712mm) |

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| WATER REQUIREMENTS | |
| TWO (2) COLD WATER INLETS - DRINKING QUALITY | |
| ONE (1) TREATED WATER INLET: 3/4" NPT* | * Both inlets can be from same 3/4" source. Divide using a manifold. Run one side through treatment device before running to oven. |
| ONE (1) UNTREATED WATER INLET: 3/4" NPT* | |
| LINE PRESSURE: 30 psi minimum dynamic and 90 psi maximum static (200 to 600 kPa) | |
| WATER DRAIN: 1-1/2" (40mm) CONNECTION WITH A VERTICAL VENT TO EXTEND ABOVE THE EXHAUST VENT. MATERIALS MUST WITHSTAND TEMPERATURES UP TO 200°F (93°C). | |
| CLEARANCE REQUIREMENTS | |
| LEFT: 0" (0mm) | 18" (457mm) RECOMMENDED SERVICE ACCESS |
| RIGHT: 0" (0mm) NON-COMBUSTIBLE SURFACES | 2" (51mm) DOOR SWING OR COMBUSTIBLE SURFACES |
| TOP: 20" (508mm) FOR AIR MOVEMENT | |
| BACK: 4" (102mm) | BOTTOM: 5-1/8" (130mm) FOR LEGS, AIR INTAKE |
| 4-5/16" (109mm) OPTIONAL PLUMBING KIT | |
| INSTALLATION REQUIREMENTS | |
| • Oven must be installed level. • Hood installation is required. | |
| • Water supply shut-off valve and back-flow preventer when required by local code. | |

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| WATER QUALITY STANDARDS | |
| It is the sole responsibility of the owner/operator/purchaser of this equipment to verify that the incoming water supply is comprehensively tested and if required, a means of "water treatment" provided that would meet compliance requirements with the published water quality standards shown below. Non-compliance with these minimum standards will potentially damage this equipment and/or components and void the original equipment manufacturer's warranty. Alto-Shaam recommends using OptiPure® [www.optipurewater.com] products to properly treat your water. | |
| Contaminant | Inlet Water Requirements |
| Free Chlorine | Less than 0.1 ppm (mg/L) |
| Hardness | 30-70 ppm |
| Chloride | Less than 30 ppm (mg/L) |
| pH | 7.0 to 8.5 |
| Silica | Less than 12 ppm (mg/L) |
| Total Dissolved Solids (tds) | 50-125 ppm |

GAS REQUIREMENTS (GAS TYPE MUST BE SPECIFIED ON ORDER)

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|---|------------------------------------|--|--|
| HOOK-UP: 3/4" NPT | | | |
| RATED THERMAL LOAD | | CONNECTED PRESSURE | |
| NORTH AMERICA | INTERNATIONAL | NORTH AMERICA | INTERNATIONAL |
| Natural Gas/Propane | G20, G25, G31 | Natural Gas | Propane |
| Gross Heating Value (HHV) 140,000 Btu / hr | Net Heating Value (LHV) 37.0 kW | Minimum: 5.5" W.C. dynamic Maximum: 14" W.C. static | Minimum: 9" W.C. dynamic Maximum: 14" W.C. static |
| G20 | 20mbar (2kPa) | G25 | 20mbar (2kPa) |
| G31 | 30mbar (3kPa) | | |

ELECTRICAL - CTC20-10G (DEDICATED CIRCUIT REQUIRED)

| | VOLTAGE | PH | HZ | AWG (mm ²) | CONNECTION | AMPS | BREAKER | kW |
|-----|-----------|----|-------|------------------------|-------------------------------------|-----------|---------|-----|
| ☞ ⚡ | 120 | 1 | 60 | 12 (3.31) | L1, L2/N, G - no cord, no plug | 13.0 | 20 | 1.7 |
| ☞ ⚡ | 208 - 240 | 3 | 50/60 | 14 (2.08) | L1, L2, L3, G - no cord, no plug | 9.6 - 8.4 | 15 | 2.0 |
| ⚡ | 380 - 415 | 3 | 50/60 | 14 (2.08) | L1, L2, L3, N, G - no cord, no plug | 9.2 - 8.4 | 15 | 2.0 |

☞ NORTH AMERICA VOLTAGE CHOICE ⚡ GROUND FAULT OR RESIDUAL CURRENT PROTECTION DEVICE MUST ACCOMMODATE A LEAKAGE CURRENT OF 20mA ⚡ INTERNATIONAL VOLTAGE CHOICE
▲ PER UL REQUIREMENTS, MUST BE PERMANENTLY CONNECTED TO ELECTRICAL SUPPLY SOURCE

| WEIGHT | SHIP DIMENSIONS | PAN CAPACITY | PRODUCT MAXIMUM: |
|--|---|--|--|
| NET 905 lbs est 411 kg SHIP 1175 lbs* 533 kg* | (L x W x H) 56" x 45" x 87** (1422 x 1143 x 2210mm)* | FULL-SIZE: 20" x 12" x 2-1/2" Twenty (20) GN 1/1: 530 x 325 x 65mm Twenty (20) **HALF-SIZE SHEET: 18" x 13" x 1" Twenty (20) | 240 lb (109 kg) VOLUME MAXIMUM: 150 quarts (190 liters) |
| *DOMESTIC GROUND SHIPPING INFORMATION. CONTACT FACTORY FOR EXPORT WEIGHT AND DIMENSIONS. | | | **ON WIRE SHELVES ONLY. ADDITIONAL WIRE SHELVES REQUIRED FOR MAXIMUM CAPACITY. |