

COMBITHERM®

CTC20-20G

GAS BOILER-FREE



CAPACITY

- Twenty (20) full-size sheet pans, forty (40) full-size hotel or GN 1/1 pans; two rows 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 CTC20-20G 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 legs. Roll-in pan cart accommodates up to twenty (20) full-size sheet pans, twenty (20) GN 2/1 pans, or forty (40) full-size hotel pans (GN 1/1), includes twenty (20) non-tilt support rails and ten (10) stainless steel shelves.

FACTORY INSTALLED OPTIONS

Electrical Choices

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

Cord and Plug

- ☐ NEMA 5-20P, 20A, 125V Plug
(no-cost option for 120V models)

Gas Type

- ☐ Natural ☐ Propane

Door Swing

- ☐ Right-hand Door Hinging, standard
☐ Recessed Door, optional; increases oven width by 4" (102mm)

- ☐ Alternate Burner Orifice – specify elevation for elevations higher than 2,000 feet (610m) above sea level

- ☐ Extended One-year Warranty

- ☐ Installation Start-Up Check - AVAILABLE THROUGH AN ALTO-SHAAM AUTHORIZED SERVICE AGENCY

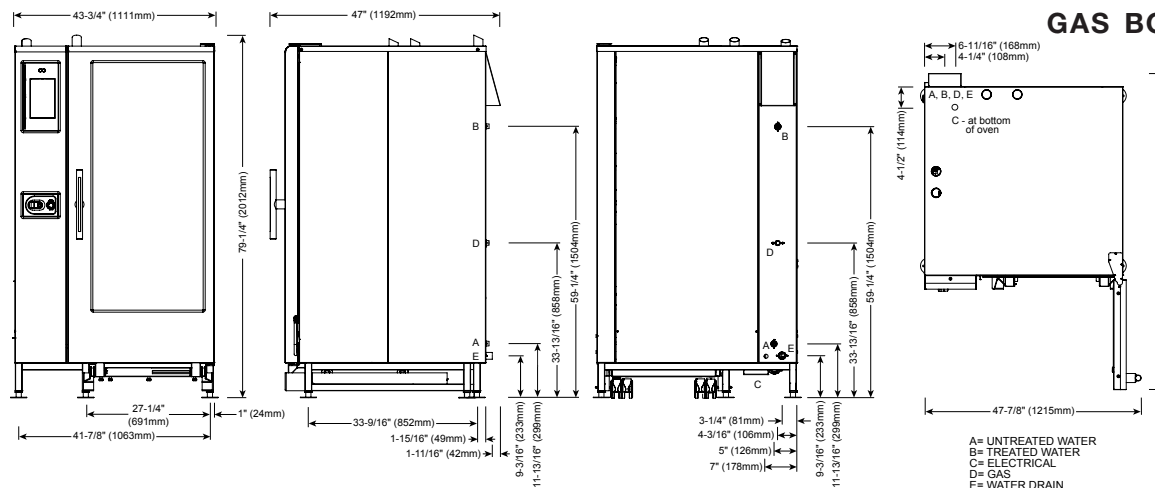
Probe Choices

- ☐ 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:
includes tamper-proof screw package, 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
☐ Seismic feet package, optional





DIMENSIONS: H x W x D

EXTERIOR:

79-1/4" x 43-3/4" x 47" (2012mm x 1111mm x 1192mm)

EXTERIOR WITH RECESSED DOOR:

79-1/4" x 47-3/4" x 47" (2012mm x 1213mm x 1192mm)

INTERIOR:

60-7/16" x 24-1/4" x 32-3/4" (1535mm x 616mm x 832mm)

WATER REQUIREMENTS

TWO (2) COLD WATER INLETS - DRINKING QUALITY

ONE (1) TREATED WATER INLET: 3/4" NPT* * Can manifold off of one
ONE (1) UNTREATED WATER INLET: 3/4" NPT* 3/4" line.
LINE PRESSURE: 30 to 90 psi 2.1 to 6.3 bar
WATER DRAIN: 1-1/2" (40mm) CONNECTION WITH A 2" MINIMUM AIR GAP INSTALLED AS CLOSE TO THE OVEN AS POSSIBLE. MATERIALS MUST WITHSTAND TEMPERATURES UP TO 200°F (93°C).

CLEARANCE REQUIREMENTS

LEFT: 0" (0mm) 18" (457mm) FOR SERVICE ACCESS
RIGHT: 0" (0mm) NON-COMBUSTIBLE SURFACES 2" (51mm) COMBUSTIBLE SURFACES
TOP: 20" (508mm) FOR AIR MOVEMENT
BACK: 4" (102mm) **BOTTOM:** 5-1/8" (130mm) FOR LEGS, AIR INTAKE

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.

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 published 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)

HOOK-UP: 3/4" NPT Alternate burner orifice is required for installation sites at elevations of 2,000 feet (610m) above sea level

RATED THERMAL LOAD

CONNECTED PRESSURE

NORTH AMERICA		INTERNATIONAL		NORTH AMERICA		INTERNATIONAL	
Natural Gas/Propane		G20, G25, G31		Natural Gas		Propane	
Gross Heating Value (HHV)		Net Heating Value (LHV)		Minimum: 5.5" W.C.		Minimum: 9" W.C.	
242,000 Btu / hr		64.5 kW		Maximum: 14" W.C.		Maximum: 14" W.C.	
						G20	20mbar
						G25	20mbar
						G31	30mbar

ELECTRICAL - CTC20-20G (DEDICATED CIRCUIT REQUIRED) DO NOT CONNECT TO A G.F.I. OUTLET

	VOLTAGE	PH	HZ	AWG	CONNECTION	AMPS	BREAKER	KW
☞	120	1	60	12	L1, N, G - no cord, no plug	13.0	20	1.7
☞	208 - 240	3	50/60	14	L1, L2, L3, G - no cord, no plug	9.6 - 8.4	15	2.0
☞	380 - 415	3	50	14	L1, L2, L3, N, G - no cord, no plug	9.2 - 8.4	15	2.0

☞ NORTH AMERICA VOLTAGE CHOICE

☞ INTERNATIONAL VOLTAGE CHOICE

WEIGHT	SHIP DIMENSIONS	PAN CAPACITY
NET 1100 lbs est 499 kg	(L x W x H) 53" x 53" x 87**	FULL-SIZE: 20" x 12" x 2-1/2" Forty (40)
SHIP 1150 lbs* 522 kg*	(1346 x 1346 x 2210mm)*	*ON WIRE GN 1/1: 530 x 325 x 65mm Forty (40)
*DOMESTIC GROUND SHIPPING INFORMATION. CONTACT FACTORY FOR EXPORT WEIGHT AND DIMENSIONS.		SHELVES ONLY GN 2/1: 650 x 530 x 65mm Twenty (20)
		*FULL-SIZE SHEET: 18" x 26" x 1" Twenty (20)
		PRODUCT MAXIMUM: 480 lb (218 kg)
		VOLUME MAXIMUM: 300 quarts (380 liters)
		*ADDITIONAL WIRE SHELVES REQUIRED FOR MAXIMUM CAPACITY