



MODEL 20•20esG WITH COMBITOUCH CONTROL
ROLL-IN PAN CART INCLUDED
CAPACITY OF FORTY (40) FULL-SIZE OR GN 1/1 PANS,
TWENTY (20) FULL-SIZE SHEET OR GN 2/1 PANS









- EcoSmart design uses less electricity and water than competitive models. Reduced energy setting further minimizes electricity use.
- Exclusive Gold-n-Brown™ features gives the operator the ability to achieve the ideal cooking environment for the ideal finish.
- Expandable system to meet your specific requirements.
- Cook with the included product temperature probe (not included as standard on S-control models) 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 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, CombiSmoker® oven with smoking technology smokes any product, hot or cold.
- CombiTouch®
- Intuitive CombiTouch control is fully operable from the touch screen.
- Store up to 250 recipes, each with up to 9 steps. CombiTouch comes standard with more than 100 preprogrammed recipes and photos.
- Six precise and consistent Gold-n-Brown™ browning levels.
- Multi-shelf Timers track cooking time of ten different food items in the same oven.
- Advance reversing fan design provides excellent baking results and prevents excessive water and power consumption.

Provide Alto-Shaam Combitherm® floor-standing Model 20•20ESG flash-steam gas 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 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, cooldown function, automatic cleaning function, and four (4) adjustable legs. Each oven is to accommodate up to twenty (20) full-size sheet pans or forty (40) full-size hotel pans, include standard right-hand door hinging, and Roll-in pan cart with twenty (20) non-tilt support rails (21-1/16" (535mm) horizontal width between rails, and 2-5/8" (65mm) vertical spacing between rails), ten (10) stainless steel shelves, removable drip tray and cart handle.

CombiTouch® **Control:** includes six different browning levels; two-speed reversing fan with coordinated venting system, USB port for data access, quick-connect single-point internal product temperature probe in the oven interior.

	Deluxe Control:	includes a quick-connect single-point i	internal product temperature probe in	the oven interior and programming
		capability with Rapid-Touch™ operati	ional quick-keys.	
	Standard Control:	includes a quick-connect single-point i	internal product temperature probe in	the oven interior.
	S-Control:	with quick-connect single-point intern	al product temperature probe in the o	ven interior as an option.
FACTORY INSTALLED	• Electrical Choices Specify voltage: □ 120 1ph □ 208-240 1ph* □ 208-240 3ph □ 380-415 3ph* * Touch only • Gas Type Specify choice: □ Natural □ Propane	Door Swing	 Probe Specify choice Multi-point, hard-wired temperature probe [5005678] - not available on ovens with S-Control Single-point, removable temperature probe - included on Touch, Deluxe and Standard controls S-Control oven without smoker [5011570] S-Control oven with 	Security Devices for correctional facility use. □ Base package: excludes temperature probe ➡Specify additional choices □ Anti Entrapment Device [5011081] □ Control Panel Security Cover [5012224] □ Hasp Door Lock (padlocks not included) [5011079] □ Tamper-Proof Screw Package



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smoker [5011571]

(not available on 120V units)

for oven [5013923]

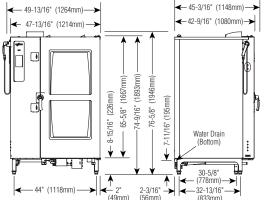
☐ Seismic Feet Package

[5015198]

Auto Quotes

[Mug24]





DIMENSIONS: H x W x D

EXTERIOR:

76-5/8" x 49-13/16" x 45-3/16" (1946mm x 1264mm x 1148mm)

EXTERIOR WITH RECESSED DOOR:

76-5/8" x 53-13/16" x 45-3/16" (1946mm x 1366mm x 1148mm)

INTERIOR:

54-15/16" x 25-1/4" x 33-7/8" (1395mm x 640mm x 860mm)

WATER REQUIREMENTS

A = UNTREATED WATER B = TREATED WATER C = ELECTRICAL

D = GAS

TWO (2) COLD WATER INLETS - DRINKING QUALITY

ONE (1) TREATED WATER INLET: 3/4" NPT*
ONE (1) UNTREATED WATER INLET: 3/4" NPT*

2" (50mm)

55-7/16

(1407mm)

* Can manifold off of one 3/4" line.

LINE PRESSURE: 30 to 90 psi 2.8 to 6.2 bar

WATER DRAIN: 1-1/2" 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 6" (152mm) RECOMMENDED SERVICE ACCESS: 18" (457mm)

20" (508mm) FROM HEAT PRODUCING EQUIPMENT

RIGHT 4" (102mm) **TOP:** 20" (508mm) FOR AIR MOVEMENT

BACK 4" (102mm) **BOTTOM:** 5-1/8" (130mm) FOR LEGS

WATER QUALITY MINIMUM STANDARDS

USING A WATER SUPPLY NOT MEETING ALTO-SHAAM'S 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 CombiGuardTM 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 0.1 ppm (mg/L)
Hardness Less than 3 gpg (52 ppm)
Chloride Less than 30 ppm (mg/L)
pH 7.0 to 8.5

Alkalinity Less than 50 ppm (mg/L)

Silica Less than 12 ppm (mg/L) Total Dissolved Solids (tds) Less than 60 ppm

GAS REQUIREMENTS (TYPE MUST BE SPECIFIED ON ORDER)

CONNECTED ENERGY LOAD: 190,000 Btu / hr (Natural Gas)

170,000 Btu / hr (Propane)

HOOK-UP: 3/4" NPT

MINIMUM CONNECTED PRESSURE: 5.5" W.C. (Natural Gas)

9" W.C. (Propane)

MAXIMUM CONNECTED PRESSURE: 14" W.C.

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.
- Alternate burner orifice is required for installation sites at elevations of 2,000 feet (610m) above sea level.

ELECTRICAL (DEDICATED CIRCUIT REQUIRED)						CombiSmoker®		
MODEL	VOLTAGE	PH	HZ	AMPS	kW	AWG	CORD & PLUG	Additional kW
20•20ESG Touch	120	1	60	9.0	1.04	AWG 12	NEMA 5-20P, 20A, 125V Plug	SK NOT AVAILABLE
	208 – 240	1	50/60	5.0	1.04	AWG 12	no cord or plug	+ .7 kw
	208 – 240	3	50/60	5.0/ph	1.04	AWG 12	no cord or plug	+ .7 kw
	380 – 415	3	50/60	2.0/ph	1.44	AWG 12	Bare End, 3 Wire + ground	+.7 kw
20•20ESG	120	1	60	12.2	1.40	AWG 12	NEMA 5-20P, 20A, 125V Plug	SK NOT AVAILABLE
	208 – 240	3	50/60	4.27/ph	1.54	AWG 12	Bare End, 3 Wire + ground	+ .7 kw
WEIGHE								

WEIGHT			CAPACITY			
OVEN NET	720 lb est	(327 kg)	FULL-SIZE PANS:	20" x 12" x 2-1/2"	Forty (40)	
OVEN SHIP	1047 lb	(475 kg)	GN 1/1:	530 x 325 x 65mm	Forty (40)	
TROLLEY NET	180 lb	(82 kg)	GN 2/1:	650 x 530 x 65mm	Twenty (20)	
TROLLEY SHIP	245 lb	(111 kg)	FULL-SIZE SHEET PANS:*	18" x 26" x 1"	Twenty (20)	
CRATE DIMENSIONS: (L x W x H)			ON WIRE SHELVES ONLY			
OVEN: 54" x 49" x 85" (1374 x 1245 x 2159mm)			480 lb (218 kg) MAXIMUM			
TROLLEY: 35" x 35" x 82" (889 x 889 x 2083mm)			VOLUME MAXIMUM: 300 quarts (380 liters)			











CombiTouch

Deluxe

Standard





Steam Mode

- Automatic steaming at 212°F (100°C).
- Quick steaming.

Touch — 213°F to 250°F (101°C to 121°C).

Deluxe, Standard, S-Control — 213°F to 248°F (101°C to 120°C).

• Low temperature steaming for poaching or proofing.

Touch — 85°F and 211°F (29°C and 99°C).

Deluxe, Standard, S-Control — 86°F and 211°F (30°C and 99°C).





Combination Mode

- Combines steam and convection modes for faster production and better moisture retention.
- Improves yield, quality and shelf life.
- Automatic humidity control.

Touch — 212°F to 485°F (100°C to 252°C).

Deluxe, Standard, S-Control — 212°F to 482°F (100°C to 250°C).





Convection Mode

• Cooking, roasting, baking and finishing applications. Touch — 85°F to 485°F (29°C to 252°C).

Deluxe, Standard, S-Control — 86°F to 482°F (30°C to 250°C).





Retherm Mode

• Bulk food or plated meal reheating with automatic steam injection.

Touch — 245°F to 320°F (118°C to 160°C).

Deluxe, Standard, S-Control — 248°F to 320°F (120°C to 160°C).

• Automatic humidity control.





Gold-n-Brown™

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

Touch — Six levels of Gold-n-Brown are featured.



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 only)

• 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.





CombiSmoker® (option)

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





OPTIONS & ACCESSORIES							
☐ COMBIGUARD™ BWS BLENDED WATER SYSTEM (INCLUDES 50 GALLON TANK, 1 MEMBRANE & 3 FILTERS) FI	I-28727						
☐ COMBIGUARD™ BWS REPLACEMENT FILTER CARTRIDGE AMS-QT	I-29316						
☐ COMBIGUARD™ BWS REPLACEMENT FILTER CARTRIDGE SCLX2-Q	I-29317						
☐ COMBIGUARD™ BWS REPLACEMENT PREFILTER FILTER CARTRIDGE CTO-Q	I-29318						
□ COMBIGUARD™ 20 TRIPLE-GUARD WATER FILTRATION SYSTEM (INCLUDES 1 CARTRIDGE)	I-28728						
☐ COMBIGUARD™ 20 TRIPLE-GUARD REPLACEMENT FILTER	I-28744						
☐ COMBITHERM CLEANING LIQUID — SPECIALLY FORMULATED FOR COMBITHERM OVENS							
➡ TWELVE (12) CONTAINERS/CASE, 1 QUART (C. 1 LITER) EACH [SPECIAL HANDLING REQUIRED]	E-24750						
☐ COMBICLEAN® TABLETS — SPECIALLY FORMULATED FOR COMBITHERM OVENS							
⇒ 90 packets each container CE-28							
☐ EXTENDED ONE-YEAR WARRANTY CONTACT FAC	CTORY						
☐ FRY BASKET, 12" x 20" (325mm x 530mm)	5-26730						
☐ GAS LINE QUICK DISCONNECT KIT CR	R-33543						
·	H-26731						
☐ HEAT SHIELD 5	009492						
□ POULTRY GREASE TRAY WITH DRAIN: 1-1/2" (38mm) DEEP	4758						
POULTRY ROASTING RACKS:							
\Box 6 CHICKEN CAPACITY, SELF-TRUSSING — FITS IN SIDE RACKS: 12 RACKS PER OVEN 5	014438						
	I-23000						
	I-23619						
	I-22634						
	.010739						
	010752						
□ PROBE, SOUS VIDE	R-34747						
□ ROLL-IN PAN CART (H x w x d):	J-27970						
66-1/16" x 28-15/16" x 35-3/16" (1678mm x 734mm x 892mm)							
interchangeable with $20 \cdot 20$ combinate holding cabinet and QC2-100 quickchiller							
□ ROLL-IN PAN CART — CORRECTIONAL INSTITUTION (H X W X D): 5	010642						
66-1/16" x 28-15/16" x 35-3/16" (1678mm x 734mm x 892mm)							
INCLUDES TAMPER-PROOF SCREWS AND WELDED HANDLE							
interchangeable with 20 • 20 combinate holding cabinet and QC2-100 quickchiller							
ROLL-IN PLATE CART (H x w x d) INTERCHANGEABLE WITH 20 • 20 COMBIMATE HOLDING CABINET:							
□ 108 PLATE CAPACITY − 65-7/8" x 28-15/16" x 39-7/8" (1674mm x 734mm x 1012mm)							
	J-27971						
□ 108 PLATE CAPACITY – 65-7/8" x 28-15/16" x 39-7/8" (1674mm x 734mm x 1012mm)							
	009899						
□ 78 PLATE CAPACITY – 65-7/8" x 28-15/16" x 39-7/8" (1674mm x 734mm x 1012mm)							
	J-28311						
	E-27889						
☐ SERVICE START-UP CHECK AVAILABLE THROUGH AN ALTO-SHAAM FASTEAM CENTER SPECIFY AS REQ							
	I-22473						
☐ THERMOBAG (COVER FOR ROLL-IN TROLLEY)							
☐ THERMOBAG (COVER FOR ROLL-IN TROLLEY) WOOD CHIPS — BULK PACK 20 lb (9 kg) BL-29128							