

# Combitherm® CTP10-10G

## Gas Boiler-free

Combining multiple cooking functions into a single appliance, Combitherm® ovens provide endless versatility, reliability and unmatched performance. An all-in-one solution for efficient and consistent food production. Combitherm ovens do the work of a convection oven, kettle, steamer, fryer, smoker and more. Execute every dish, no matter how simple or complex, faster than ever with flawless precision and consistency.



CTP10-10G

### Standard features

- Four cooking modes—steam, convection, combination, and retherm
- Programmable, touchscreen control
- Easy recipe upload/download via USB port
- Four fully automated cleaning cycles
- Front-accessible and retractable rinse hose
- LED illuminated door handle is designed for the needs of the busy kitchen, and provides visual notification of the oven status
- Absolute Humidity Control™ allows for selection any humidity level from 0-100% to maximize food quality, texture, and yield
- SafeVent™ provides automatic steam venting at the end of the cooking cycle



CAPACITY

- 11** Eleven full size or GN 1/1 pans; eleven half-size sheet pans, one row deep
- 2** Two side racks with eleven non-tilt support rails; 11-3/4" [298mm] horizontal width between rails, 2-3/4" [70mm] vertical spacing between rails
- 120 lb [54 kg] product maximum
- 75 quarts [95 liters] volume maximum
- Five [5] wire shelves included. Additional wire shelves required for maximum capacity.

### Configurations (select one)

#### Door swing

- Right hinged
- Recessed door, optional; increases oven width by 5" [127mm]

#### Electrical

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

- Natural
- Propane

### Accessories (select all that apply)

#### Gas match™

- Stacking hardware
- Seismic feet package, optional
- Smoking feature, including one-step cold smoking (not available on units with security devices)
- Extended one-year warranty
- Automatic grease collection system, includes four 6-piece, self-trussing poultry racks #5014438, interior drip collection pan, and grease collection container with shut off valve

#### Cleaning

- Automatic tablet-based cleaning system, standard
- Automatic liquid cleaning system, optional

#### Probe choices

- Removable, single-point, quick-connect core temperature probe, standard
- Removable, single-point, quick-connect sous vide temperature probe, optional
- Hard-wired, multi-point core temperature probe, optional (factory only installed)

#### Security devices for correctional facility use

- Optional base package (not available with recessed door): 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

Архангельск (8182)63-90-72  
 Астана (7172)727-132  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Волгоград (844)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89  
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Липецк (4742)52-20-81  
 Киргизия (996)312-96-26-47

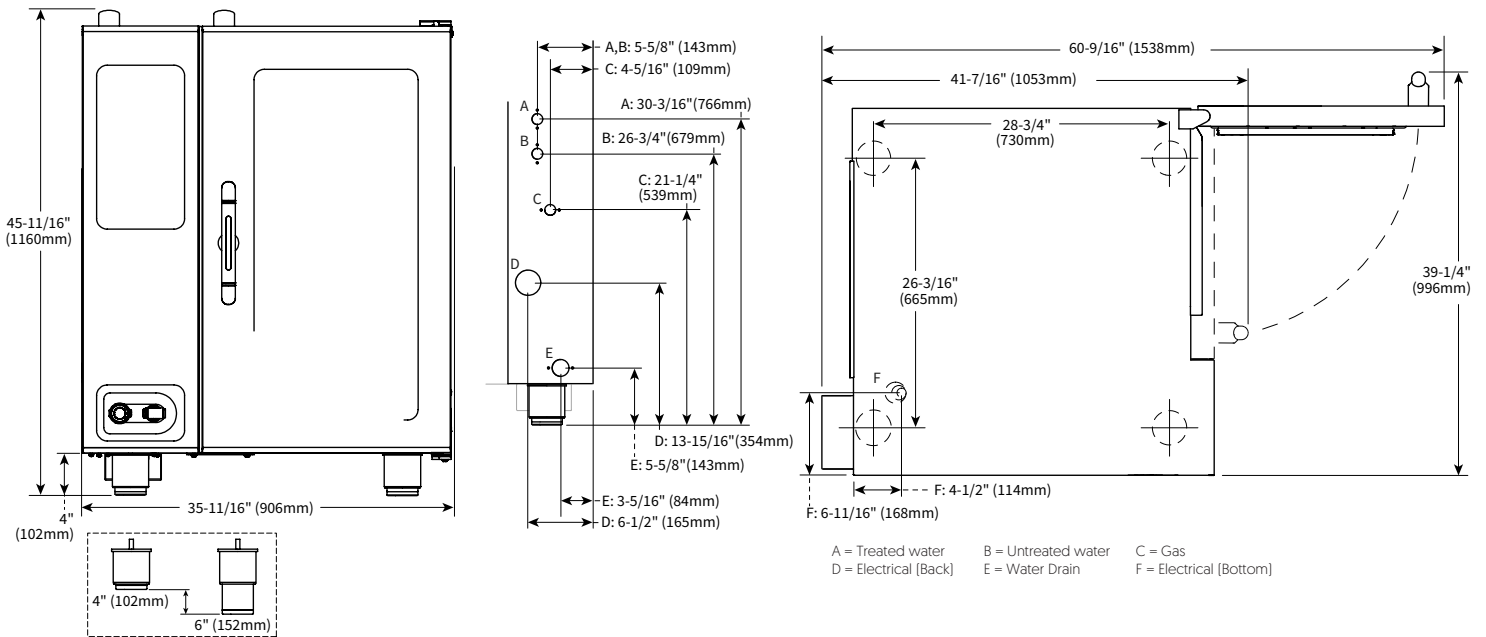
Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16  
 Казахстан (772)734-952-31

Пермь (342)205-81-47  
 Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13  
 Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35  
 Тверь (4822)63-31-35  
 Томск (3822)98-41-53  
 Тула (4872)74-02-29  
 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Ярославль (4852)69-52-93

# Combitherm® CTP10-10G

## Specification



### DIMENSIONS

**Model**  
CTP10-10G

**Exterior (H x W x D)**  
45-11/16" x 35-11/16" x 41-7/16" [1160mm x 906mm x 1053mm]  
**Exterior with recessed door (H x W x D)**  
45-11/16" x 40-11/16" x 41-7/16" [1160mm x 1033mm x 1053mm]

**Interior (H x W x D)**  
31-1/2" x 16-1/4" x 28-1/16" [800mm x 411mm x 712mm]  
**Net Weight**  
625 lb [283 kg]

**Ship Dimensions (L x W x H)\***  
CTP10-10G 56" x 45" x 65" [1422mm x 1143mm x 1651mm]

**Ship Weight\***  
695 lb [315 kg]

\*Domestic ground shipping information. Contact factory for export weight and dimensions.



### CLEARANCE

Top: 20" [508mm]  
 Left: 0" [0mm]  
 18" [457mm] recommended service access  
 Right: 0" [0mm] Non-combustible surfaces  
 2" [51mm] combustible surfaces  
 Bottom: 5-1/8" [130mm]  
 Back: 4" [102mm]  
 4-5/16" [109mm] optional plumbing kit



### CHECK FIRST

- Oven must be installed level.
- Water supply shut-off valve and back-flow preventer when required by local code.
- Hood installation is required.
- Drain must not be located directly underneath the appliance.

# Combitherm® CTP10-10G



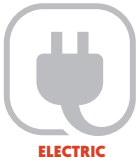
## Heat of rejection

| CTP10-10E | Heat Gain<br>qs,<br>BTU/hr | Heat Gain<br>qs,<br>kW | Heat Gain<br>qs,<br>Mj/hr |
|-----------|----------------------------|------------------------|---------------------------|
|           | 448                        | 0.13                   | 55.9                      |



## Noise emissions

A maximum 67 dBA was measured at 3.3 ft (1 m) from unit as tested on CTP10-20E.



|   | CTP10-10G | V   | Ph | Hz    | Awg (mm <sup>2</sup> ) | ProPower™ Standard |         |     | With CombiSmoker® Option |         |     | Connection       |
|---|-----------|-----|----|-------|------------------------|--------------------|---------|-----|--------------------------|---------|-----|------------------|
|   |           |     |    |       |                        | A                  | Breaker | kW  | A                        | Breaker | kW  |                  |
| † | 120V**    | 120 | 1  | 60    | 12 [3.31]              | 6.8                | 20      | .84 | 12.0                     | 20      | 1.5 | L1, L2/N, G      |
| † | 208-240V  | 208 | 1* | 50/60 | 14 [2.08]              | 4.8                | 15      | 1.0 | 7.3                      | 15      | 1.5 | L1, L2/N, G      |
|   |           | 240 | 1* | 50/60 | 14 [2.08]              | 4.2                | 15      | 1.0 | 7.1                      | 15      | 1.7 | L1, L2/N, G      |
| † | 208-240V  | 208 | 3  | 50/60 | 14 [2.08]              | 4.8                | 15      | 1.0 | 7.3                      | 15      | 1.5 | L1, L2, L3, G    |
|   |           | 240 | 3  | 50/60 | 14 [2.08]              | 4.2                | 15      | 1.0 | 7.1                      | 15      | 1.7 | L1, L2, L3, G    |
|   | 380-415V  | 380 | 3  | 50/60 | 14 [2.08]              | 4.6                | 15      | 1.0 | 7.2                      | 15      | 1.6 | L1, L2, L3, N, G |
|   |           | 415 | 3  | 50/60 | 14 [2.08]              | 4.2                | 15      | 1.0 | 7.1                      | 15      | 1.7 | L1, L2, L3, N, G |

† Per UL requirements, must be permanently connected to electrical supply source

\* Electrical service charge applies

\*\* Ground fault or residual current protection device must accommodate a leakage current of 20mA.

- Electrical connections must meet all applicable federal, state, and local codes.
- For use on individual branch circuit only.
- Ovens are not supplied with an electrical cord or plug.



## Water requirements (per oven)

- Two cold water inlets - drinking quality
- One treated water inlet: 3/4" NPT connection. Line pressure 30 psi minimum dynamic and 90 psi maximum static (200-600 kPa) at a minimum flow rate of 0.26 gpm (1 L/min).
- One untreated water inlet: 3/4" NPT connection. Line pressure 30 psi minimum dynamic and 90 psi maximum static (200-600 kPa) at a minimum flow rate of 2.64 gpm (10 L/min). 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).

## 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 the Alto-Shaam Reverse Osmosis System to properly treat your water.

| Inlet Water Requirements     |                          |                          |
|------------------------------|--------------------------|--------------------------|
| Contaminant                  | Treated Water            | Untreated Water          |
| Free Chlorine                | Less than 0.1 ppm (mg/L) | Less than 0.1 ppm (mg/L) |
| Hardness                     | 30-70 ppm                | 30-70 ppm                |
| Chloride                     | Less than 30 ppm (mg/L)  | Less than 30 ppm (mg/L)  |
| pH                           | 7.0 to 8.5               | 7.0 to 8.5               |
| Silica                       | Less than 12 ppm (mg/L)  | Less than 12 ppm (mg/L)  |
| Total Dissolved Solids [TDS] | 50-125 ppm               | 50-360 ppm               |



## Clearance requirements for water filtration system

Do not install a water filtration system behind unit.

# Combitherm® CTP10-10G



Gas Requirements (gas type must be specified on order)

Hook-up: 3/4" NPT

| UL Marked Appliances | Maximum Input BTU/h | Minimum Input BTU/h | Maximum Inlet Pressure Inches WC | Minimum Inlet Pressure Inches WC | Maximum Fuel Consumption* |     |
|----------------------|---------------------|---------------------|----------------------------------|----------------------------------|---------------------------|-----|
|                      |                     |                     |                                  |                                  | CFH                       | GPH |
| Natural Gas          | 80,000              | 53,000              | 14.0                             | 5.5                              | 76.2                      | N/A |
| Propane              |                     |                     |                                  | 9.0                              | 32                        | 0.9 |

\*Assumes an average heating value for natural gas to be 1050 BTU/SCF and a specific gravity of 0.60. The assumed value for propane gas is 2,500 BTU/SCF, and a specific gravity of 1.53.

| AGA Marked Appliances | Maximum Input MJ/h | Minimum Input MJ/h | Maximum Inlet Pressure kPa | Minimum Inlet Pressure kPa | Maximum Fuel Consumption |     |
|-----------------------|--------------------|--------------------|----------------------------|----------------------------|--------------------------|-----|
|                       |                    |                    |                            |                            | m <sup>3</sup> /h        | L/h |
| Natural Gas           | 84.4               | 55.9               | 3.48                       | 1.13                       | 2.2                      | N/A |
| Propane               |                    |                    |                            | 2.75                       | 0.9                      | 3.3 |

| CE Marked Appliances | Maximum Input |          | Minimum Input |          | Nominal Gas Pressure mbar | Maximum Gas Pressure mbar | Maximum Fuel Consumption m <sup>3</sup> |
|----------------------|---------------|----------|---------------|----------|---------------------------|---------------------------|---|
|                      | kWh (Hs)      | kWh (Hi) | kWh (Hs)      | kWh (Hi) |                           |                           |   |
| 2E [G20]             | 23.3          | 21       | 15.5          | 14       | 20                        | 50                        | 2.6                                     |
| 2LL [G25]            |               |          |               |          | 20                        |                           | 2.6                                     |
| 3P [G31]             | 22.8          | 21       | 15.5          | 14.3     | 37                        |                           | 0.9                                     |
| 3B/P [G30]           |               |          |               |          | 29                        |                           | 0.9                                     |

Архангельск (8182)63-90-72  
 Астана (7172)727-132  
 Астрахань (8512)99-46-04  
 Барнаул (3852)73-04-60  
 Белгород (4722)40-23-64  
 Брянск (4832)59-03-52  
 Владивосток (423)249-28-31  
 Волгоград (84)278-03-48  
 Вологда (8172)26-41-59  
 Воронеж (473)204-51-73  
 Екатеринбург (343)384-55-89  
 Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
 Иркутск (395)279-98-46  
 Казань (843)206-01-48  
 Калининград (4012)72-03-81  
 Калуга (4842)92-23-67  
 Кемерово (3842)65-04-62  
 Киров (8332)68-02-04  
 Краснодар (861)203-40-90  
 Красноярск (391)204-63-61  
 Курск (4712)77-13-04  
 Липецк (4742)52-20-81  
 Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13  
 Москва (495)268-04-70  
 Мурманск (8152)59-64-93  
 Набережные Челны (8552)20-53-41  
 Нижний Новгород (831)429-08-12  
 Новокузнецк (3843)20-46-81  
 Новосибирск (383)227-86-73  
 Омск (3812)21-46-40  
 Орел (4862)44-53-42  
 Оренбург (3532)37-68-04  
 Пенза (8412)22-31-16  
 Казахстан (772)734-952-31

Пермь (342)205-81-47  
 Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
 Санкт-Петербург (812)309-46-40  
 Саратов (845)249-38-78  
 Севастополь (8692)22-31-93  
 Симферополь (3652)67-13-56  
 Смоленск (4812)29-41-54  
 Сочи (862)225-72-31  
 Ставрополь (8652)20-65-13  
 Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35  
 Тверь (4822)63-31-35  
 Томск (3822)98-41-53  
 Тула (4872)74-02-29  
 Тюмень (3452)66-21-18  
 Ульяновск (8422)24-23-59  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Ярославль (4852)69-52-93

<https://altoshaam.nt-rt.ru/> || [ama@nt-rt.ru](mailto:ama@nt-rt.ru)