



Combi steamer

Project _____
 Item _____
 Quantity _____
 FCSI section _____
 Approval _____
 Date _____

C4eT 10.20 GB

Model

Convotherm 4 easyTouch

- easyTouch
- 11 slide rails
- Gas
- Boiler
- Right-hinged door



Key features

- ACS+ operating modes: Steam, combi-steam, hot air
- ACS+ extra functions:
 - Crisp&Tasty - 5 moisture-removal settings
 - BakePro - 5 levels of traditional baking
 - HumidityPro - 5 humidity settings
 - Controllable fan - 5 speed settings
- easyTouch 9" full-touch screen
- ConvoClean+ fully automatic cleaning system with eco, regular and express modes - with optional single-dose dispensing
- Ethernet interface (LAN)
- HygienicCare
- USB port integrated in the control panel
- TriColor indicator ring - indicates the current operating status
- Steam generated by high-performance boiler outside the cooking chamber
- Right-hinged door

Standard features

- ACS+ (Advanced Closed System +) operating modes:
 - Steam (86-266°F) with guaranteed steam saturation
 - Combi-steam (86-482°F) with automatic humidity adjustment
 - Hot air (86-482°F) with optimized heat transfer
- HygienicCare - food safety provided by antibacterial surfaces:
 - easyTouch control panel
 - Door handle and recoil hand shower
- easyTouch user interface:
 - 9" full-touch screen
 - Press&Go - automatic cooking with quick-select buttons
 - TrayTimer - oven-load management for different products at the same time
 - Regenerate+ - flexible multi-mode retherm function
 - ecoCooking - energy-save function
 - Low-temperature cooking / Delta-T cooking
 - Cook&Hold - cook and hold in one process
 - 399 cooking profiles each containing up to 20 steps
 - On-screen help with topic-based video function
 - Start-time preset
- Multi-point core temperature probe
- Door handle with safety latch and slam function
- Data storage for HACCP and pasteurization figures
- Preheat and Cool down function

Options

- Disappearing door – more space and added safety (see page 2)
- ConvoGrill with grease management function (upon request)
- ConvoSmoke - built in food-smoking
- Available in various voltages
- Sous-vide probe, external connection
- Core temperature probe, external connection

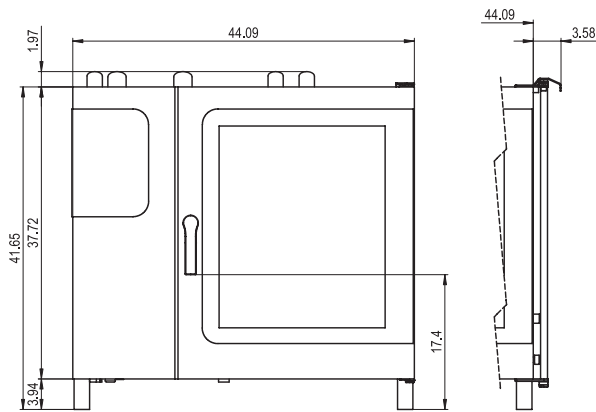
Accessories

- ConvoLink HACCP and cooking-profile management PC software
- Signal tower - indicates the operating status from a distance
- Banquet system (optionally as a package or individually): Plate rack, mobile shelf rack, transport trolley, thermal cover
- Equipment stands in various sizes and designs
- Racks for cooking and baking
- Stacking kits
- Cleaning products for the fully automatic ConvoClean+ cleaning system and the semi-automatic cleaning system

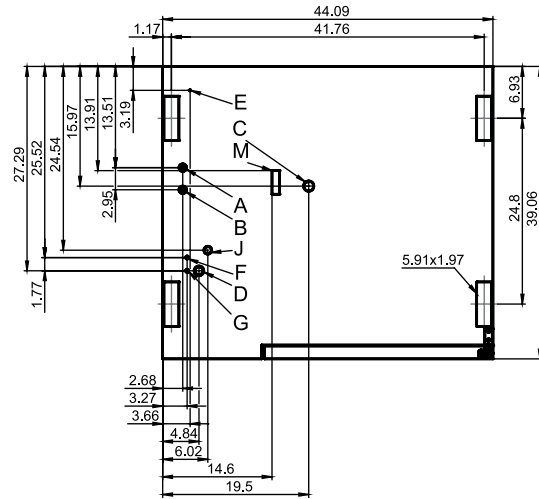


Front view

(disappearing door optional)

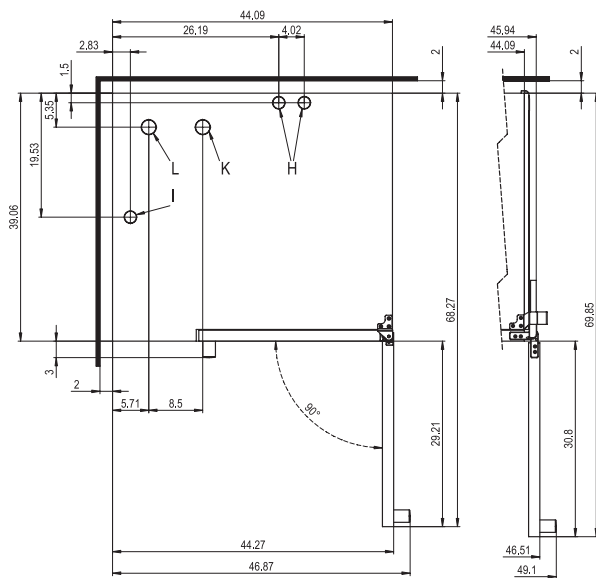


Connection positions



View from above with wall clearances

(disappearing door optional)



- A** Water connections (for boiler)
- B** Water connections (for cleaning, recoil hand shower)
- C** Drain connection (2" I. D.)
- D** Electrical connection
- E** Electrical ground
- F** Rinse-aid connection
- G** Cleaning-agent connection
- H** Air vent (2" I. D.)
- I** Ventilation port
- J** Gas connection
- K** Exhaust outlet (cooking compartment heating element)
- M** Safety overflow 3.2" x 1"

Dimensions and weights

Dimensions including packaging

Width x Height x Depth 53" x 50.4" x 44.9"

Weight

Net weight without options* / accessories 492 lbs

Packaging weight 77 lbs

Safety clearances**

| | |
|--|-----|
| Rear | 2" |
| Right (right-hinged door) | 2" |
| Right (disappearing door pushed back) | 5" |
| Left (18" clearance recommended for service) | 2" |
| Top*** | 39" |

* Max. weight of options: 46 lbs.

** Minimum clearance from heat sources: 20".

*** Depends on the type of exhaust system and the ceiling's characteristics.

Installation requirements

Max. absolute appliance inclination during operation* max. 2° (3.4%)

* Adjustable appliance feet as standard.

Loading capacity

Max. number of food containers

[Unit has 11 slide rails; rail spacing 2.68" max.]

| | |
|-------------------------------------|----|
| Steam table pans (12"x20"x1") | 20 |
| Steam table pans (12"x20"x2.5") | 20 |
| Wire shelves, full size (20"x26") | 10 |
| Sheet pans, full size (18"x26")* | 10 |
| Sheet pans, half size (12"x20")* | 20 |
| Frying baskets, half size (12"x20") | 20 |
| Plates (optional plate rack) | 48 |

Max. loading weight

| | |
|-------------------|---------|
| Per combi steamer | 220 lbs |
| Per shelf level | 33 lbs |

* Wire shelves required.

Electrical supply

120V 1PH 60Hz *

| | |
|-----------------------------|--------------|
| Rated power consumption | 0.6 kW |
| Rated current | 7.5 A |
| Power supply wire gauge | 14 AWG |
| Conductor insulation rating | 194°F / 90°C |

* Prepared for connection to an energy optimizing system.

Water connections

Water supply

| | |
|---------------|--|
| Water supply | Two 3/4" I. D. GHT-M (garden hose adapter). The appliance is designed for a permanent hookup to the water supply that uses a connecting hose with a minimum diameter of 1/2" |
| Flow pressure | 22 - 87 PSI / 1.5 - 6 bar |

Drain

| | |
|---------------------|---|
| Drain version | Permanent hookup (recommended) or funnel waste trap |
| Type | 2" I. D. (comes elbow-shaped as standard) |
| Slope for drainpipe | min. 3.5% (2°) |

Water quality

Water connection A* for boiler, Water connection B* for cleaning, recoil hand shower

| | |
|---|---|
| General requirements | Drinking water, typically untreated water |
| TDS | 70 - 360 ppm |
| Hardness | 70 - 360 ppm (4 - 21 gpg) |
| pH value | 6.5 - 8.5 |
| Cl ⁻ (chloride) | max. 60 ppm |
| Cl ₂ (free chlorine) | max. 0.2 ppm |
| SO ₄ ²⁻ (sulfate) | max. 150 ppm |
| Fe (iron) | max. 0.1 ppm |
| SiO ₂ (silica) | max. 13 ppm |
| NH ₂ Cl (monochloramine) | max. 0.4 ppm |
| Temperature | max. 104°F / max. 40°C |

* See connection positions diagram, p. 2.

NOTICE: The owner/operator/purchaser must ensure that the water quality requirements are met. Otherwise the original equipment warranty is void.

Emissions

Heat emission

| | |
|-----------|------------|
| Latent | 6800 BTU/h |
| Sensitive | 6900 BTU/h |

| | |
|--------------------------|-------------------|
| Drain temperature | max. 140°F / 60°C |
|--------------------------|-------------------|

| | |
|-----------------------|-------------|
| Decibel rating | max. 70 dBA |
|-----------------------|-------------|

Water consumption

Water connections A, B

| | |
|-----------------------------------|----------|
| Average consumption for cooking** | 2.32 gph |
| Required flow rate | 3.96 gpm |

** Incl. water required for cooling the wastewater.

NOTICE: See connection positions diagram, p. 2.

Gas specifications

| | |
|----------------|----------------------|
| Type of gas | Natural gas, propane |
| Gas connection | 3/4" NPT |

Flow pressure

| | |
|-------------|--------------|
| Natural gas | 5.5 - 14" WC |
| Propane | 11 - 14" WC |

Heat output For Natural gas, propane

| | |
|-------------------|--------------|
| Convection burner | 109200 BTU/h |
| Boiler burner | 102000 BTU/h |

Please note:

- Please refer to the Installation manual for further technical data and for instructions on installation and setup.
- Convotherm reserves the right of design improvement or modification, as warranted.
- There are numerous federal, national and local laws, regulations and standards. It is the responsibility of the owner and installer to observe these laws, regulations and standards (e.g. fire regulations and health and safety standards).
- Convotherm combi steamers are built to comply with the applicable standards for manufacturers.

ACCESSORIES

(For more detailed information, please refer to the Accessories brochure.)

Stacking kit

| | |
|---------------------|---------------|
| Combination allowed | 6.20 on 10.20 |
|---------------------|---------------|

If combining two gas units

Select the "stacking kit for Convotherm 4 gas units"

If combining one electrical unit and one gas unit in a stacking kit

Select the "stacking kit for Convotherm 4 electrical units" if:

| | |
|----------------------|-------|
| Bottom combi steamer | EB/ES |
| Top combi steamer | GB/GS |

Select the "stacking kit for Convotherm 4 gas units" if:

| | |
|----------------------|-------|
| Bottom combi steamer | GB/GS |
| Top combi steamer | EB/ES |

Equipment stand

| | |
|---------------------------------|--------|
| Standard support surface height | 26.38" |
|---------------------------------|--------|

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- easyTouch
- 11 slide rails
- Gas
- Injection/Spritzer
- Right-hinged door



Key features

- ACS+ operating modes: Steam, combi-steam, hot air
- ACS+ extra functions:
 - Crisp&Tasty - 5 moisture-removal settings
 - BakePro - 5 levels of traditional baking
 - HumidityPro - 5 humidity settings
 - Controllable fan - 5 speed settings
- easyTouch 9" full-touch screen
- ConvoClean+ fully automatic cleaning system with eco, regular and express modes - with optional single-dose dispensing
- Ethernet interface (LAN)
- HygienicCare
- USB port integrated in the control panel
- TriColor indicator ring - indicates the current operating status
- Steam generated by injecting water into the cooking chamber
- Right-hinged door

Standard features

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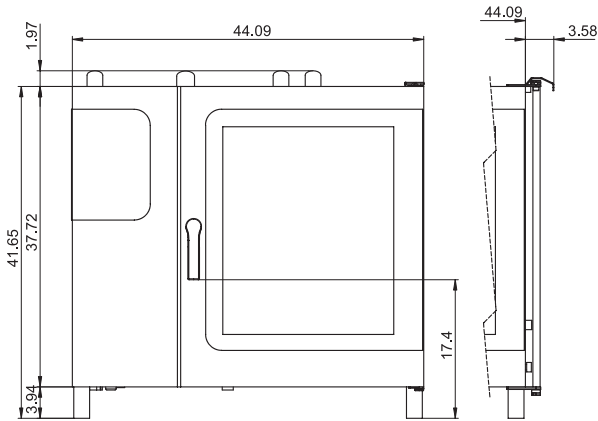
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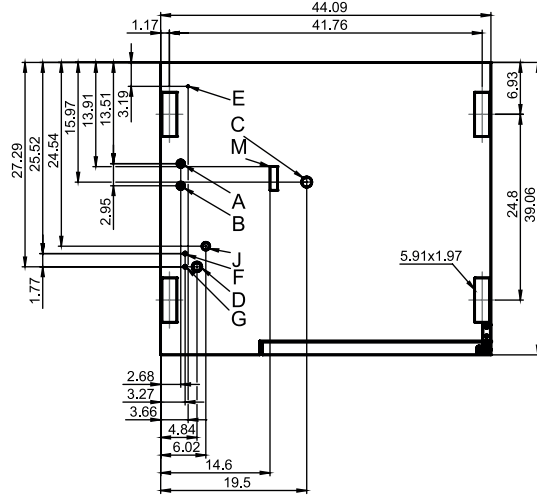


Front view

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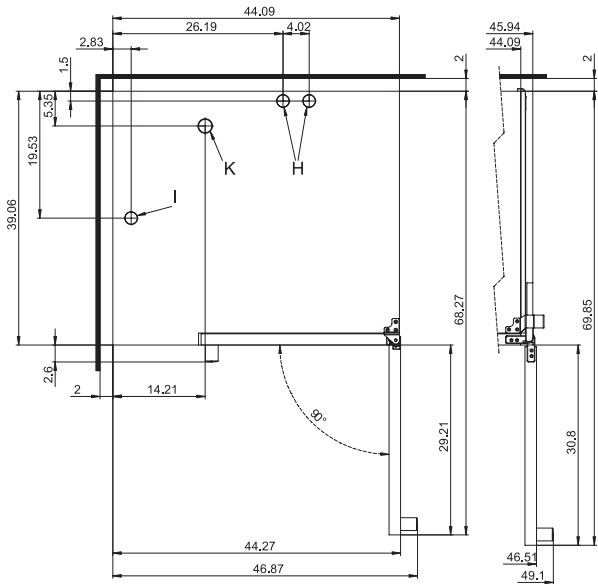


Connection positions



View from above with wall clearances

(disappearing door optional)



- A** Water connections (for water injection)
- B** Water connections (for cleaning, recoil hand shower)
- C** Drain connection (2" I. D.)
- D** Electrical connection
- E** Electrical ground
- F** Rinse-aid connection
- G** Cleaning-agent connection
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Dimensions and weights

Dimensions including packaging

Width x Height x Depth 53" x 50.4" x 44.9"

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Net weight without options* / accessories 425 lbs

Packaging weight 77 lbs

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* Adjustable appliance feet as standard.

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| Plates (optional plate rack) | 48 |

Max. loading weight

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|-------------------|---------|
| Per combi steamer | 220 lbs |
| Per shelf level | 33 lbs |

* Wire shelves required.

Electrical supply

120V 1PH 60Hz *

| | |
|-----------------------------|--------------|
| Rated power consumption | 0.5 kW |
| Rated current | 7.5 A |
| Power supply wire gauge | 14 AWG |
| Conductor insulation rating | 194°F / 90°C |

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Water connections

Water supply

| | |
|---------------|--|
| Water supply | Two 3/4" I. D. GHT-M (garden hose adapter). The appliance is designed for a permanent hookup to the water supply that uses a connecting hose with a minimum diameter of 1/2" |
| Flow pressure | 22 - 87 PSI / 1.5 - 6 bar |

Drain

| | |
|---------------------|---|
| Drain version | Permanent hookup (recommended) or funnel waste trap |
| Type | 2" I. D. (comes elbow-shaped as standard) |
| Slope for drainpipe | min. 3.5% (2°) |

Water quality

Water connection A* for water injection

| | |
|----------------------|---|
| General requirements | Drinking water, typically treated water (install a water treatment system if necessary) |
| TDS | 70 - 125 ppm |
| Hardness | 70 - 125 ppm (4 - 7 gpg) |

Water connection B* for cleaning, recoil hand shower

| | |
|----------------------|---|
| General requirements | Drinking water, typically untreated water |
| TDS | 70 - 360 ppm |
| Hardness | 70 - 360 ppm (4 - 21 gpg) |

Water connections A, B*

| | |
|---|------------------------|
| pH value | 6.5 - 8.5 |
| Cl ⁻ (chloride) | max. 60 ppm |
| Cl ₂ (free chlorine) | max. 0.2 ppm |
| SO ₄ ²⁻ (sulfate) | max. 150 ppm |
| Fe (iron) | max. 0.1 ppm |
| SiO ₂ (silica) | max. 13 ppm |
| NH ₂ Cl (monochloramine) | max. 0.4 ppm |
| Temperature | max. 104°F / max. 40°C |

* See connection positions diagram, p. 2.

NOTICE: The owner/operator/purchaser must ensure that the water quality requirements are met. Otherwise the original equipment warranty is void.

Emissions

Heat emission

| | |
|-----------|------------|
| Latent | 6800 BTU/h |
| Sensitive | 6900 BTU/h |

| | |
|-------------------|-------------------|
| Drain temperature | max. 140°F / 60°C |
|-------------------|-------------------|

| | |
|----------------|-------------|
| Decibel rating | max. 70 dBA |
|----------------|-------------|

Water consumption

Water connection A*

| | |
|---------------------------------|----------|
| Average consumption for cooking | 1.95 gph |
| Required flow rate | 0.16 gpm |

Water connections A, B

| | |
|-----------------------------------|----------|
| Average consumption for cooking** | 2.93 gph |
| Required flow rate | 3.96 gpm |

* Values intended as guide for specifying the water treatment system.

** Incl. water required for cooling the wastewater.

NOTICE: See connection positions diagram, p. 2.

Gas specifications

| | |
|----------------|----------------------|
| Type of gas | Natural gas, propane |
| Gas connection | 3/4" NPT |

Flow pressure

| | |
|-------------|--------------|
| Natural gas | 5.5 - 14" WC |
| Propane | 11 - 14" WC |

Heat output

| | |
|-------------------|--------------|
| Convection burner | 109200 BTU/h |
|-------------------|--------------|

Please note:

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| | |
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| Standard support surface height | 26.38" |
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