

# Combi steamer

Project	
Item	
Quantity	
FCSI section	
Approval	
Date	

## Model

## Convotherm 4 easyTouch

- easyTouch
- 20 Shelves GN 2/1
- Electric
- Boiler
- Right-hinged door





## **Key features**

- ACS+ operating modes: Steam, Combi-steam, Convection
- ACS+ Extra Functions:
  - Crisp&Tasty 5 moisture-removal settings
  - O 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, including optional single-measure 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 appliance door

## Standard features

- ACS+ (Advanced Closed System +) operating modes:
  - $^{\circ}$  Steam (30-130°C) with guaranteed steam saturation
  - O Combi-steam (30-250°C) with automatic humidity adjustment
  - Oconvection (30-250°C) with optimized heat transfer
  - HygienicCare food safety thanks to antibacterial surfaces:
  - easyTouch control panel
  - O Door handle and recoil hand shower
- easyTouch user interface:
  - 9" full-touch screen
  - $^{\bigcirc} \quad \text{Press\&Go-- automatic cooking using quick-select buttons}$
  - O TrayTimer load management for different products at the same time
  - O Regenerate+ flexible multi-mode regenerating function
  - $^{\bigcirc} \quad \text{ecoCooking -- energy-save function}$
  - $\ \, {\color{blue} {}^{\bigcirc}} \ \, {\color{blue} {}^{\square}} \ \, {\color{blue} {}^{\square}$
  - O Cook&Hold cooks and holds in one process
  - O 399 cooking profiles each containing up to 20 steps
  - On-screen help with topic-based video functionStart-time preset
- Multi-point core temperature probe
- Door handle with safety latch
- Built-in preheat bridge
- Data storage for HACCP and pasteurization figures
- Preheat and cool down function

# **Options**

- Steam and vapour removal built-in condensation module (on request)
- Disappearing door more space and greater safety at work (see separate datasheet)
- ConvoGrill with grease management function (on request)
- Marine version (see separate datasheet)
- Prison version
- Available in various voltages
- Sous-vide probe, external connection
- Core temperature probe, external connection

## **Accessories**

- ConvoLink HACCP and cooking profile management PC software
- ConvoVent 4 condensation hood with grease filter
- ConvoVent 4+ condensation hood with grease and odour filter
- Signal tower external operating-state indicator
- Banquet system (optionally as a package or individually): Plate loading trolley, loading trolley, thermal cover
- Care products for the ConvoClean+ fully automatic cleaning system (multiple and single-measure dispensing)

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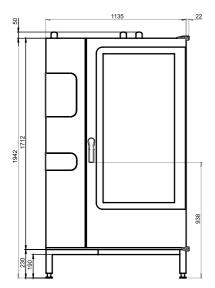


## **Dimensions**

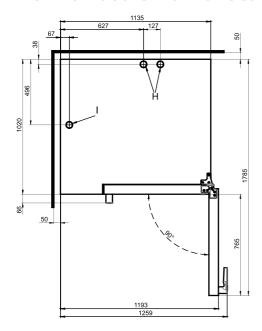
## Weights

## **Views**

## Front view



## View from above with wall clearances

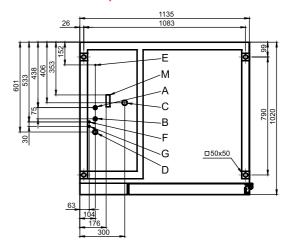


## Installation instructions

Absolute tilt of unit in operation*	max. 2° (3.5%)
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<sup>\*</sup> Adjustable feet included as standard.

# **Connection positions**



- A Water connection (for boiler)
- **B** Water connection (for cleaning, recoil hand shower)
- C Drain connection DN 50
- **D** Electrical connection
- **E** Equipotential bonding
- F Rinse-aid connection
- **G** Cleaning-agent connection
- H Air vent Ø 50 mm
- Ventilation port Ø 50 mm
- M Safety overflow 80 mm x 25 mm

# Dimensions and weights

# Dimensions including packaging Width x Height x Depth 1410 x 2150 x 1170 mm Weight Empty weight without options\* / accessories 356 kg Weight of packaging 48 kg Safety clearances\*\* Rear 50 mm Right 50 mm Left (larger gap recommended for servicing) 50 mm Top\*\*\* 500 mm

- \* Weight of options 15 kg max.
- \*\* Minimum distance from heat sources: 500 mm.
- \*\*\* Depends on type of air ventilation system and nature of ceiling.



# Loading

# **Electrical supply**

## Water

# Loading capacity

Max. number of food containers			
GN 1/1*	40		
GN 2/1*	20		
Plates max. Ø 32 cm, Ring spacing 66 mm**	122		
Plates max. Ø 32 cm, Ring spacing 79 mm**	98		
Maximum loading weight			

GN 1/1 / 600 x 400

Per combi steamer 180 kg 15 kg Per shelf level

- \* Matching loading trolley included as standard.
- \*\* Matching loading trolley available as an accessory.

## **Electrical supply**

	Electrical supply			
3N~ 400V 50/60Hz*				
Rated power consumption	67.3 kW			
Rated current	97.3 A			
Fuse rating	100 A			
RCD (GFCI), frequency converter (single phase)	Type A (recommended), type B/F (optional)			
Recommended conductor cross-section	5G35			
3~ 230 V 50/60Hz*				
Rated power consumption	66.4 kW			
Rated current	166.9 A			
Fuse rating	200 A			
RCD (GFCI), frequency converter (single phase)	Type A (recommended), type B/F (optional)			
Recommended conductor cross-section	4G70			
3~ 200 V 50/60Hz*				
Rated power consumption	66.4 kW			
Rated current	191.9 A			
Fuse rating	200 A			
RCD (GFCI), frequency converter (single phase)	Type A (recommended), type B/F (optional)			
Recommended conductor cross-section	4G95			
3~ 400 V 50/60Hz*				
Rated power consumption	67.3 kW			
Rated current	97.3 A			
Fuse rating	100 A			
RCD (GFCI), three-phase frequency converter	Type B/F (recommended)			
Recommended conductor cross-section	5G35			

 $\ensuremath{^*}$  Connection to energy optimization system included as standard.

## Water connection

Water supply				
Water supply	$2\times G$ 3/4" permanent connection, optionally including connecting pipe (min. DN13 / 1/2")			
Flow pressure	150 - 600 kPa (1.5 - 6 bar)			
Appliance drain				
Drain version	Permanent connection (recommended) or open tank or channel/gully			
Type	DN50 (min. internal Ø: 46 mm)			
Slope for waste-water pipe	min. 3.5% (2°)			

# Water quality

# Water-supply connection A\* for boiler, Water-supply connection B\* for cleaning, recoil hand shower

General requirements	Drinking water, typically hard water	
Total hardness	4 - 20 °dh / 70 - 360 ppm / 7 - 35 °TH / 5 - 25 °e	
pH value	6.5 - 8.5	
Cl <sup>-</sup> (chloride)	max. 60 mg/l	
Cl <sub>2</sub> (free chlorine)	max. 0.2 mg/l	
SO <sub>4</sub> <sup>2-</sup> (sulphate)	max. 150 mg/l	
Fe (iron)	max. 0.1 mg/l	
Temperature	max. 40 °C	
Electrical conductivity	min. 20 μS/cm	

<sup>\*</sup> See diagram of connection positions, page 2.

## Water consumption

Water-supply connections A, B			
Ø Consumption for cooking**	13.4 l/h		
Max. water flow rate	15 l/min		

<sup>\*\*</sup> Including water used for cooling the wastewater.

PLEASE NOTE: See diagram of connection positions, page 2.



## **Emissions**

## **Accessories**

## **Emissions**

## Dissipated heat

 Latent heat
 11000 kJ/h / 3.06 kW

 Sensible heat
 14100 kJ/h / 3.92 kW

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## **ACCESSORIES**

(Please refer to the Accessories brochure for detailed information)

## Condensation hood ConvoVent 4\*

### **Electrical supply**

Rated voltage 1N~ 200-240V 50/60Hz

Rated power consumption 260 W
Rated current 1.9 A
Fuse rating 2.5 A

## **Dimensions excluding packaging**

Width x Height x Depth 1137 x 240 x 1285 mm

Weight excluding packaging 97 kg **Safety clearance at top\*\*** 500 mm

## Condensation hood ConvoVent 4+\*

## **Electrical supply**

Rated voltage  $1N\sim 200-240V 50/60Hz$ 

Rated power consumption 260 W
Rated current 1.9 A
Fuse rating 2.5 A

## Dimensions excluding packaging

Width x Height x Depth 1137 x 373 x 1285 mm

Weight excluding packaging 120 kg
Safety clearance above\*\* 500 mm

## Please observe the following points:

- This document is to be used solely for planning purposes.
- Please refer to the Installation Manual for further technical data and guidance on installation and positioning.



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<sup>\*</sup> Condensation hoods specially designed for stacking kits are available.

<sup>\*\*</sup> Depends on type of air ventilation system and nature of ceiling.

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