

## Magistar Combi TS Electric Combi Oven 10GN2/1

ITEM #

MODEL #

NAME #

SIS #

AIA #


**218750 (ZCOE102T3A3B)**

Magistar Combi TS combi boiler oven with touch screen control, 10x2/1GN, electric, 3 cooking modes (automatic, recipe program, manual), automatic cleaning, boiler in AISI 316L, 3-glass door

### Short Form Specification

#### Item No.

Combi oven with high resolution full touch screen interface, multilanguage

- Built-in steam generator (in s/s 316L) with real humidity control based upon Lambda Sensor
- AirFlow air distribution system to achieve maximum performance with 7 fan speed levels
- HP Automatic Cleaning: Automatic and built-in self cleaning system with integrated descale of the steam generator. 4 automatic cycles (short, medium, intensive, rinse) and economizer functions to save energy, water, detergent and rinse aid
- Cooking modes: Automatic (9 food families with 100+ different pre-installed variants); Programs (a maximum of 1000 recipes can be stored and organized in 16 different categories); Manual (steam, combi and convection cycles); Specialistic Cycles (regeneration, Low Temperature Cooking, proving, EcoDelta, Sous-Vide, Static-Combi, Pasteurization of pasta, dehydration, Food Safe Control and Advanced Food Safe Control)
- Special functions: MultiTimer cooking, Cooking Optimizer to cut running costs, Make-it-Mine to customize interface, Match connection to Rapido Chiller, SoloMio to customize homepage, agenda Calendar, automatic backup mode to avoid downtime
- USB port to download HACCP data, programs and settings.
- Connectivity for real time access, remote software update, HACCP, recipe and energy management (optional).
- 6-point multi sensor core temperature probe
- Triple-glass door with double LED lights line.
- Stainless steel construction throughout
- Supplied with n.1 tray rack 2/1 GN, 67 mm pitch.

### Main Features

- Zanussi Professional recommends the use of treated water to guarantee optimal cooking results and extend the life of the appliance. Check local water condition to select the appropriate water filter. More info available on the website.
- 6-point multi sensor core temperature probe for maximum precision and food safety.
- Programs mode: a maximum of 1000 recipes can be stored in the oven's memory, to recreate the exact same recipe at any time. The recipes can be grouped in 16 different categories to better organize the menu. 16-step cooking programs also available.
- Dry, hot convection cycle (25 °C - 300 °C): ideal for low humidity cooking.
- Combination cycle (25 °C - 300 °C): combining convected heat and steam to obtain humidity controlled cooking environment, accelerating the cooking process and reducing weight loss.
- Low temperature Steam cycle (25 °C - 99 °C): ideal for sous-vide, re-thermalization and delicate cooking.  
Steam cycle (100 °C): seafood and vegetables.  
High temperature steam (101 °C - 130 °C).
- Built-in steam generator for highly precise humidity and temperature control according to the chosen settings.
- Real humidity control based upon Lambda Sensor to automatically recognize quantity and size of food for consistent quality results.
- Fan with 7 speed levels from 300 to 1500 RPM and reverse rotation for optimal evenness. Fan stops in less than 5 seconds when door is opened.
- Automatic fast cool down and pre-heat function.
- Automatic mode including 9 food families (meat, poultry, fish, vegetables, pasta/rice, eggs, savory and sweet bakery, bread, dessert) with 100+ different pre-installed variants. Through Automatic Sensing Phase the oven optimizes the cooking process according to size, quantity and type of food loaded to achieve the selected cooking result. Real time overview of the cooking parameters. Possibility to personalize and save up to 70 variants per family.
- Cycles :
  - Regeneration (ideal for banqueting on plate or rethermalizing on tray),
  - Low Temperature Cooking (to minimize weight loss and maximize food quality) Patented US7750272B2 and related family,
  - Proving cycle,
  - EcoDelta cooking, cooking with food probe maintaining preset temperature difference between the core of the food and the cooking chamber,
  - Sous-vide cooking,
  - Static Combi (to reproduce traditional cooking from static oven),
  - Pasteurization of pasta,
  - Dehydration cycle (ideal for drying fruits, vegetables, meats, seafood),
  - Food Safe Control (to automatically monitor safety of cooking process in compliance with HACCP hygienic standards) Patented US6818865B2 and related family,
  - Advanced Food Safe Control (to drive the cooking with pasteurization factor).
- Back-up mode with self-diagnosis is automatically activated if a failure occurs to avoid downtime.
- OptiFlow air distribution system to achieve maximum performance in chilling/heating evenness and temperature

APPROVAL:

control thanks to a special design of the chamber.

- Short cleaning cycle: optimized cleaning cycle with a duration of just 33 minutes, improving efficiency and reducing downtime.
- 6-point multi sensor core temperature probe for maximum precision and food safety (optional accessory).
- AirFlow air distribution system to achieve maximum performance in chilling/heating evenness and temperature control thanks to a special design of the chamber combined with high precision variable speed fan.
- MultiTimer function to manage up to 60 different cooking cycles at the same time, improving flexibility and ensuring excellent cooking results. Can be saved up to 200 MultiTimer programs.
- HP Automatic Cleaning: automatic and built-in self cleaning system with 4 automatic cycles (short, medium, intensive, rinse) and integrated descale of the steam generator.
- GreaseOut: integrated grease drain and collection kit (to use the kit, the oven must be ordered as special code).

## Construction

- Integrated spray gun with automatic retracting system for fast rinsing.
- 304 AISI stainless steel construction throughout.
- IPX5 spray water protection certification for easy cleaning.
- Hygienic internal chamber with all rounded corners for easy cleaning.
- Boiler in 316L AISI to protect against corrosion.
- Triple thermo-glazed door with 2 hinged inside panels for easy cleaning and double LED lights line.
- Front access to control board for easy service.

## User Interface & Data Management

- High resolution full touch screen interface (translated in more than 30 languages) - color-blind friendly panel.
- Make-it-mine feature to allow full personalization or locking of the user interface.
- Automatic consumption visualization at the end of the cycle.
- USB port to download HACCP data, share cooking programs and configurations. USB port also allows to plug-in sous-vide probe (optional accessory).
- Connectivity for remote real time access, easy HACCP management, equipment uptime increase, consumption tracking and energy management (requires optional accessory).
- Trainings and guidances supporting materials easily accessible by scanning QR-Code with any mobile device.
- Pictures upload for full customization of cooking cycles.
- Calendar works as an agenda where the user can plan the daily work and receive personalized alerts for each task.
- SoloMio lets the user group the favorite functions in the homepage for immediate access.

## Sustainability

- Energy Star 2.0 certified product.
- Reduced power function for customized slow cooking cycles.
- Zero Waste provides chefs with useful tips for minimizing food waste.  
Zero Waste is a library of Automatic recipes that aims to:  
- give a second life to raw food close to expiration date (e.g., from milk to yogurt)  
- obtain genuine and tasty dishes from overripe fruit/vegetables (usually considered not appropriate for sale)  
- promote the use of typically discarded food items (e.g., carrot peels).
- C22 and C25 detergents are formulated without phosphates and phosphorus (C25 is also maleic acid-free), making them safe for both the environment and human health.

- The outer cardboard packaging is made from 70% recycled materials and FSC\*-certified paper, printed with eco-friendly, water-based ink to support sustainability and environmental responsibility.

<i>(\*Forest Stewardship Council is the world's leading organization for sustainable forest management).</i>

- Triple-glass door minimize your energy loss.\*

\*<i>Approx. -10% of idle energy consumption in convection based on test in compliance with ASTM Standard F2861-20</i>

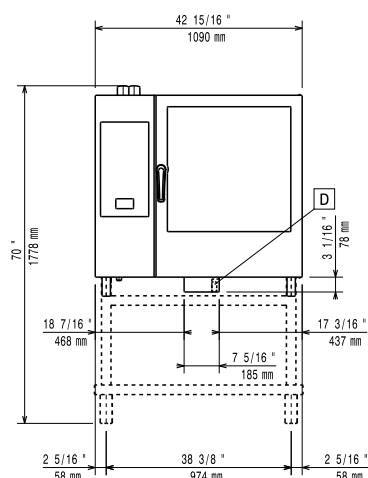
- Plan-n-Save function organizes the cooking sequence of the chosen cycles optimizing the work in the kitchen from a time and energy efficiency point of view.
- Cooking Optimizer function organizes the cooking sequence of the chosen cycles optimizing the work in the kitchen from a time and energy efficiency point of view.
- Save energy, water, detergent and rinse aid with green functions.
- Automatic and built-in self cleaning system with 4 automatic cycles (short, medium, intensive, rinse) and integrated descale of the steam generator.

## Optional Accessories

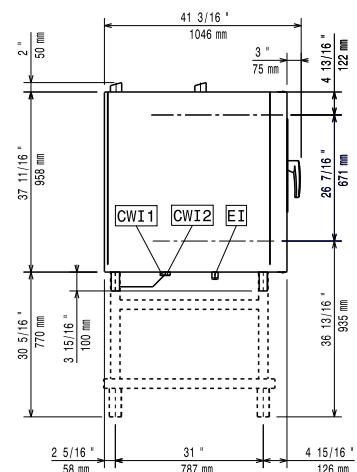
|                                                                                                         |            |                          |
|---------------------------------------------------------------------------------------------------------|------------|--------------------------|
| • External reverse osmosis filter for single tank Dishwashers with atmosphere boiler and Ovens          | PNC 864388 | <input type="checkbox"/> |
| • Water filter with cartridge and flow meter for high steam usage (combi used mainly in steaming mode)  | PNC 920003 | <input type="checkbox"/> |
| • Water filter with cartridge and flow meter for medium steam usage                                     | PNC 920005 | <input type="checkbox"/> |
| • Wheel kit for 6 & 10 GN 1/1 and 2/1 GN oven base (not for the disassembled one)                       | PNC 922003 | <input type="checkbox"/> |
| • Pair of AISI 304 stainless steel grids, GN 1/1                                                        | PNC 922017 | <input type="checkbox"/> |
| • Pair of grids for whole chicken (8 per grid - 1,2kg each), GN 1/1                                     | PNC 922036 | <input type="checkbox"/> |
| • AISI 304 stainless steel grid, GN 1/1                                                                 | PNC 922062 | <input type="checkbox"/> |
| • AISI 304 stainless steel grid, GN 2/1                                                                 | PNC 922076 | <input type="checkbox"/> |
| • External side spray unit (needs to be mounted outside and includes support to be mounted on the oven) | PNC 922171 | <input type="checkbox"/> |
| • Pair of AISI 304 stainless steel grids, GN 2/1                                                        | PNC 922175 | <input type="checkbox"/> |
| • Baking tray for 5 baguettes in perforated aluminum with silicon coating, 400x600x38mm                 | PNC 922189 | <input type="checkbox"/> |
| • Baking tray with 4 edges in perforated aluminum, 400x600x20mm                                         | PNC 922190 | <input type="checkbox"/> |
| • Baking tray with 4 edges in aluminum, 400x600x20mm                                                    | PNC 922191 | <input type="checkbox"/> |
| • Pair of frying baskets                                                                                | PNC 922239 | <input type="checkbox"/> |
| • AISI 304 stainless steel bakery/pastry grid 400x600mm                                                 | PNC 922264 | <input type="checkbox"/> |
| • Double-step door opening kit                                                                          | PNC 922265 | <input type="checkbox"/> |
| • Grid for whole chicken (8 per grid - 1,2kg each), GN 1/1                                              | PNC 922266 | <input type="checkbox"/> |
| • USB probe for sous-vide cooking                                                                       | PNC 922281 | <input type="checkbox"/> |
| • Kit universal skewer rack and 6 short skewers for Lengthwise GN 2/1 and Crosswise ovens               | PNC 922325 | <input type="checkbox"/> |
| • Universal skewer rack                                                                                 | PNC 922326 | <input type="checkbox"/> |
| • 6 short skewers                                                                                       | PNC 922328 | <input type="checkbox"/> |
| • Multipurpose hook                                                                                     | PNC 922348 | <input type="checkbox"/> |
| • 4 flanged feet for 6 & 10 GN , 2", 100-130mm                                                          | PNC 922351 | <input type="checkbox"/> |
| • Grease collection tray, GN 2/1, H=60 mm                                                               | PNC 922357 | <input type="checkbox"/> |

|                                                                                                                                                                                           |            |                          |                                                                                                                                                   |            |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------|
| • Grid for whole duck (8 per grid - 1,8kg each), GN 1/1                                                                                                                                   | PNC 922362 | <input type="checkbox"/> | • Probe holder for liquids                                                                                                                        | PNC 922714 | <input type="checkbox"/> |
| • Thermal cover for 10 GN 2/1 oven and blast chiller freezer                                                                                                                              | PNC 922366 | <input type="checkbox"/> | • Odour reduction hood with fan for 6 & 10 GN 2/1 electric ovens                                                                                  | PNC 922719 | <input type="checkbox"/> |
| • Tray support for 6 & 10 GN 2/1 disassembled open base                                                                                                                                   | PNC 922384 | <input type="checkbox"/> | • Odour reduction hood with fan for 6+6 or 6+10 GN 2/1 electric ovens                                                                             | PNC 922721 | <input type="checkbox"/> |
| • Wall mounted detergent tank holder                                                                                                                                                      | PNC 922386 | <input type="checkbox"/> | • Condensation hood with fan for 6 & 10 GN 2/1 electric oven                                                                                      | PNC 922724 | <input type="checkbox"/> |
| • USB single point probe                                                                                                                                                                  | PNC 922390 | <input type="checkbox"/> | • Condensation hood with fan for stacking 6+6 or 6+10 GN 2/1 electric ovens                                                                       | PNC 922726 | <input type="checkbox"/> |
| • IoT module for OnE Connected (combi ovens, blast chiller/freezers, rack type DW) and Match (one IoT board per appliance - to connect oven to the blast chiller for Cook&Chill process). | PNC 922421 | <input type="checkbox"/> | • Exhaust hood with fan for 6 & 10 GN 2/1 GN ovens                                                                                                | PNC 922729 | <input type="checkbox"/> |
| • Connectivity router (WiFi and LAN)                                                                                                                                                      | PNC 922435 | <input type="checkbox"/> | • Exhaust hood with fan for stacking 6+6 or 6+10 GN 2/1 ovens                                                                                     | PNC 922731 | <input type="checkbox"/> |
| • Steam optimizer                                                                                                                                                                         | PNC 922440 | <input type="checkbox"/> | • Exhaust hood without fan for 6&10x2/1 GN oven                                                                                                   | PNC 922734 | <input type="checkbox"/> |
| • Grease collection kit for GN 1/1-2/1 open base (2 tanks, open/close device for drain)                                                                                                   | PNC 922451 | <input type="checkbox"/> | • Exhaust hood without fan for stacking 6+6 or 6+10 GN 2/1 ovens                                                                                  | PNC 922736 | <input type="checkbox"/> |
| • Grease collection kit for ovens GN 1/1 & 2/1 (2 plastic tanks, connection valve with pipe for drain)                                                                                    | PNC 922452 | <input type="checkbox"/> | • 4 high adjustable feet for 6 & 10 GN ovens, 230-290mm                                                                                           | PNC 922745 | <input type="checkbox"/> |
| • Tray rack with wheels, 10 GN 2/1, 65mm pitch                                                                                                                                            | PNC 922603 | <input type="checkbox"/> | • Tray for traditional static cooking, H=100mm                                                                                                    | PNC 922746 | <input type="checkbox"/> |
| • Tray rack with wheels 8 GN 2/1, 80mm pitch                                                                                                                                              | PNC 922604 | <input type="checkbox"/> | • Double-face griddle, one side ribbed and one side smooth, 400x600mm                                                                             | PNC 922747 | <input type="checkbox"/> |
| • Slide-in rack with handle for 6 & 10 GN 2/1 oven                                                                                                                                        | PNC 922605 | <input type="checkbox"/> | • Hood Hopper to directly connect the Hood to the centralized ventilation system, for Standard Hoods (with fan motor) and Hoods without fan motor | PNC 922751 | <input type="checkbox"/> |
| • Bakery/pastry tray rack with wheels 400x600mm for 10 GN 2/1 oven and blast chiller freezer, 80mm pitch (8 runners)                                                                      | PNC 922609 | <input type="checkbox"/> | • Trolley for grease collection kit                                                                                                               | PNC 922752 | <input type="checkbox"/> |
| • Open base with tray support for 6 & 10 GN 2/1 oven                                                                                                                                      | PNC 922613 | <input type="checkbox"/> | • Water inlet pressure reducer                                                                                                                    | PNC 922773 | <input type="checkbox"/> |
| • Cupboard base with tray support for 6 & 10 GN 2/1 oven                                                                                                                                  | PNC 922616 | <input type="checkbox"/> | • Kit for installation of electric power peak management system for 6 GN and 10 GN ovens                                                          | PNC 922774 | <input type="checkbox"/> |
| • External connection kit for liquid detergent and rinse aid                                                                                                                              | PNC 922618 | <input type="checkbox"/> | • Non-stick universal pan, GN 1/1, H=20mm                                                                                                         | PNC 925000 | <input type="checkbox"/> |
| • Stacking kit for 6 GN 2/1 oven placed on electric 10 GN 2/1 oven                                                                                                                        | PNC 922621 | <input type="checkbox"/> | • Non-stick universal pan, GN 1/1, H=40mm                                                                                                         | PNC 925001 | <input type="checkbox"/> |
| • Trolley for slide-in rack for 6 & 10 GN 2/1 oven and blast chiller freezer                                                                                                              | PNC 922627 | <input type="checkbox"/> | • Non-stick universal pan, GN 1/1, H=60mm                                                                                                         | PNC 925002 | <input type="checkbox"/> |
| • Trolley for mobile rack for 6 GN 2/1 on 6 or 10 GN 2/1 ovens                                                                                                                            | PNC 922631 | <input type="checkbox"/> | • Double-face griddle, one side ribbed and one side smooth, GN 1/1                                                                                | PNC 925003 | <input type="checkbox"/> |
| • Stainless steel drain kit for 6 & 10 GN oven, dia=50mm                                                                                                                                  | PNC 922636 | <input type="checkbox"/> | • Aluminum grill, GN 1/1                                                                                                                          | PNC 925004 | <input type="checkbox"/> |
| • Plastic drain kit for 6 & 10 GN oven, dia=50mm                                                                                                                                          | PNC 922637 | <input type="checkbox"/> | • Frying pan for 8 eggs, pancakes, hamburgers, GN 1/1                                                                                             | PNC 925005 | <input type="checkbox"/> |
| • Banquet rack with wheels holding 51 plates for 10 GN 2/1 oven and blast chiller freezer, 75mm pitch                                                                                     | PNC 922650 | <input type="checkbox"/> | • Flat baking tray with 2 edges, GN 1/1                                                                                                           | PNC 925006 | <input type="checkbox"/> |
| • Dehydration tray, GN 1/1, H=20mm                                                                                                                                                        | PNC 922651 | <input type="checkbox"/> | • Potato baker for 28 potatoes, GN 1/1                                                                                                            | PNC 925008 | <input type="checkbox"/> |
| • Flat dehydration tray, GN 1/1                                                                                                                                                           | PNC 922652 | <input type="checkbox"/> | • Kit of 6 non-stick universal pans, GN 1/1, H=20mm                                                                                               | PNC 925012 | <input type="checkbox"/> |
| • Open base for 6 & 10 GN 2/1 oven, disassembled - NO accessory can be fitted with the exception of 922384                                                                                | PNC 922654 | <input type="checkbox"/> | • Kit of 6 non-stick universal pans, GN 1/1, H=40mm                                                                                               | PNC 925013 | <input type="checkbox"/> |
| • Heat shield for 10 GN 2/1 oven                                                                                                                                                          | PNC 922664 | <input type="checkbox"/> | • Kit of 6 non-stick universal pan GN 1/1, H=60mm                                                                                                 | PNC 925014 | <input type="checkbox"/> |
| • Heat shield-stacked for ovens 6 GN 2/1 on 10 GN 2/1                                                                                                                                     | PNC 922667 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |
| • Kit to fix oven to the wall                                                                                                                                                             | PNC 922687 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |
| • 4 high adjustable feet for 6 & 10 GN ovens, 100-115MM                                                                                                                                   | PNC 922688 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |
| • Tray support for 6 & 10 GN 2/1 oven base                                                                                                                                                | PNC 922692 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |
| • Detergent tank holder for open base                                                                                                                                                     | PNC 922699 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |
| • Mesh grilling grid, GN 1/1                                                                                                                                                              | PNC 922713 | <input type="checkbox"/> |                                                                                                                                                   |            |                          |

### Front

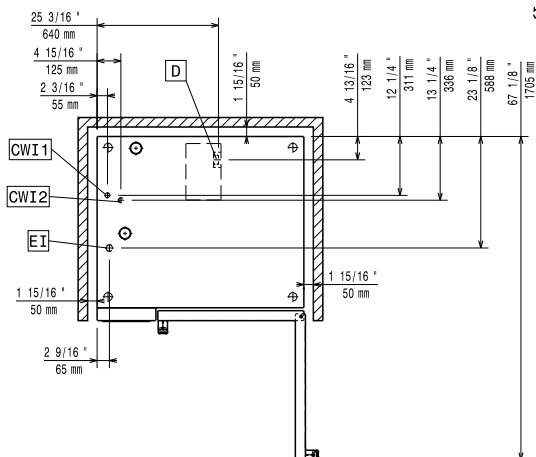


### Side



- CWI1** = Cold Water inlet 1 (cleaning)  
**CWI2** = Cold Water Inlet 2 (steam generator)  
**D** = Drain  
**DO** = Overflow drain pipe  
**EI** = Electrical inlet (power)

### Top



### Electric

|                            |                          |
|----------------------------|--------------------------|
| Supply voltage:            | 380-415 V/3N ph/50-60 Hz |
| Electrical power, max:     | 40.1 kW                  |
| Electrical power, default: | 37.4 kW                  |

### Water:

|                                     |           |
|-------------------------------------|-----------|
| Inlet water temperature, max:       | 30 °C     |
| Inlet water pipe size (CWI1, CWI2): | 3/4"      |
| Pressure, min-max:                  | 1-6 bar   |
| Chlorides:                          | <85 ppm   |
| Conductivity:                       | >50 µS/cm |
| Drain "D":                          | 50mm      |

### Capacity:

|                    |             |
|--------------------|-------------|
| Trays type:        | 10 (GN 2/1) |
| Max load capacity: | 100 kg      |

### Key Information:

|                              |            |
|------------------------------|------------|
| Door hinges:                 | Right Side |
| External dimensions, Width:  | 1090 mm    |
| External dimensions, Depth:  | 971 mm     |
| External dimensions, Height: | 1058 mm    |
| Weight:                      | 207 kg     |
| Net weight:                  | 182 kg     |
| Shipping weight:             | 207 kg     |
| Shipping volume:             | 1.59 m³    |

### ISO Certificates

|                |                                           |
|----------------|-------------------------------------------|
| ISO Standards: | ISO 9001; ISO 14001; ISO 45001; ISO 50001 |
|----------------|-------------------------------------------|