Magistar Combi DS

Electric Combi Oven 20GN1/1



218807 (ZCOE201B3A30)

Magistar Combi DS combi boiler oven with digital control, 20x1/1GN, electric, programmable, automatic cleaning, boiler in AISI 316L, 3-glass door

Main Features

- Single sensor core temperature probe included.
- 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.
- Automatic fast cool down and pre-heat function.
- Programs mode: a maximum of 100 recipes can be stored in the oven's memory, to recreate the exact same recipe at any time. 4-step cooking programs also available.
- EcoDelta cooking: cooking with food probe maintaining preset temperature difference between the core of the food and the cooking chamber.
- Pre-set program for Regeneration, ideal for banqueting on plate or rethermalizing on tray.
- Fan with 5 speed levels from 300 to 1500 RPM and reverse rotation for optimal evenness. Fan stops in less than 5 seconds when door is opened.
- Back-up mode with self-diagnosis is automatically activated if a failure occurs to avoid downtime.
- 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.
- OptiFlow air distribution system to achieve maximum performance in chilling/heating eveness and temperature control thanks to a special design of the chamber.
- GreaseOut: integrated grease drain and collection kit (to use the kit, the oven must be ordered as special code).
- 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.
- Short cleaning cycle: optimized cleaning cycle with a duration of just 33 minutes, improving efficiency and reducing downtime.

Construction

- 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.

The company reserves the right to make modifications to the products without prior notice. All information correct at time of printing.

User Interface & Data Management

- USB port to download HACCP data, share cooking programs and configurations. USB port also allows to plug-in sous-vide probe (optional accessory).
- Digital interface with LED backlight buttons with guided selection.
- Connectivity for remote real time access, easy HACCP management, equipment uptime increase, consumption tracking and energy management (requires optional accessory).

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A focus on sustainability

Sustainability

- Reduced power function for customized slow cooking cycles.
- Human centered design with 4-star certification for ergonomics and usability.
- 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. *(*Forest Stewardship Council is the world's leading organization for sustainable forest management).*
- Triple-glass door minimize your energy loss.* **Approx. -10% of idle energy consumption in convection based on test in compliance with ASTM Standard F2861-20*
- Uses 33% less water , 43% less detergent and 25% less energy with the new washing cycles.*

  *Based on Internal test done in Zanussi Professional Laboratory comparing actual Magistar 20 GN1/1 electric combi oven with boiler vs the previous version.
- Save energy, water, detergent and rinse aid with green functions.

Certifications & Recognitions

Product assessed by the manufacturer and deemed to meet EU safety, health, and environmental protection requirements.

International system for mutual acceptance of test reports and certificates concerning the safety of electrical and electronic components, equipment, and products.

Certification for energy efficiency, ensuring products meet strict standards for reducing energy consumption, saving money, and helping protect the environment.

Product acceptable for use in a commercial food establishment and meets applicable construction, performance, and material requirements.



UL Verification is an independent, science-based process that validates marketing claims, helping distinguish verified facts from fiction.

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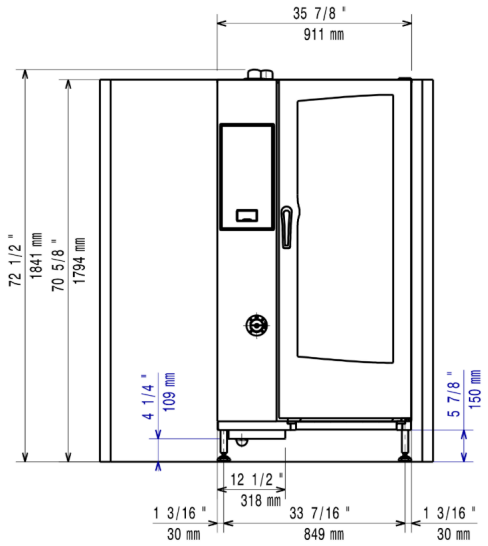
Technical specifications

Electric	
Supply voltage:	380-415 V/3N ph/50-60 Hz
Electrical power max.:	40.4 kW
Electrical power, default:	37.7 kW
Water:	
Chlorides:	<85 ppm
Conductivity:	>50 µS/cm
Drain "D":	50mm
Water inlet connections "CWI1-CWI2":	3/4"
Pressure, bar min/max:	1-6 bar
Capacity:	
Trays type:	20 - GN 1/1
Max load capacity:	100 kg
Key Information:	
External dimensions, Width:	911 mm
External dimensions, Depth:	864 mm
Weight:	265 kg
External dimensions, Height:	1794 mm
Net weight:	265 kg
Shipping weight (gross):	299 kg
Shipping volume:	2.07 m³
ISO Certificates	
ISO Standards:	ISO 9001; ISO 14001; ISO 45001; ISO 50001

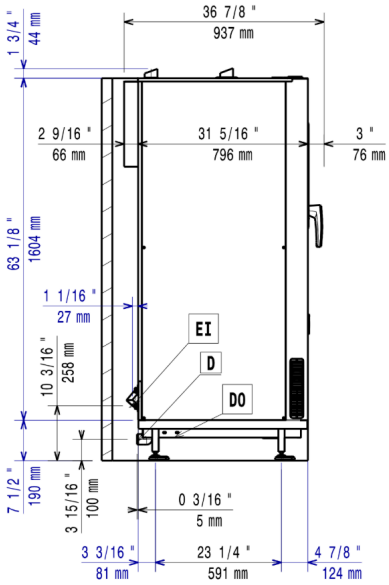
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Installation drawings

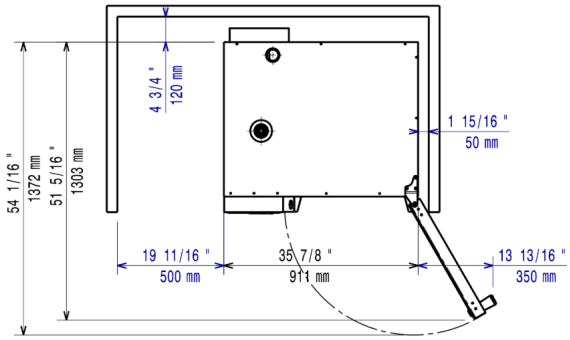
Front



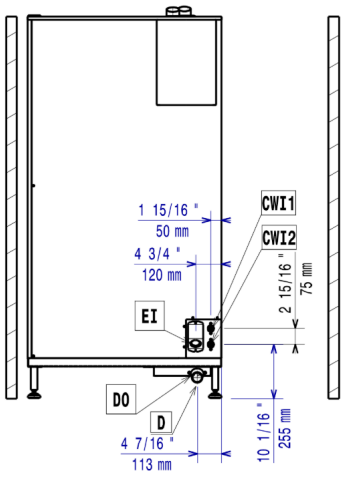
Side



Top



Distances



CWI1 = Cold Water inlet 1 (cleaning)
EI = Electrical inlet (power)

D = Drain
DO = Overflow drain pipe

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Accessories

Included Accessories

PNC Code	Description	Quantity
922753	Trolley with tray rack, 20 GN 1/1, 63mm pitch	1

Optional Accessories

PNC Code	Description
Cleaning solutions	
922386	Wall mounted detergent tank holder
922618	External connection kit for liquid detergent and rinse aid
Connectivity	
922421	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).
922435	Connectivity router (WiFi and LAN)
Containers, trays and grids	
922017	Pair of AISI 304 stainless steel grids, GN 1/1
922036	Pair of grids for whole chicken (8 per grid - 1,2kg each), GN 1/1
922062	AISI 304 stainless steel grid, GN 1/1
922086	Grid for whole chicken (4 per grid - 1,2kg each), GN 1/2
922189	Baking tray for 5 baguettes in perforated aluminum with silicon coating, 400x600x38mm
922190	Baking tray with 4 edges in perforated aluminum, 400x600x20mm
922191	Baking tray with 4 edges in aluminum, 400x600x20mm
922239	Pair of frying baskets
922264	AISI 304 stainless steel bakery/pastry grid 400x600mm
922266	Grid for whole chicken (8 per grid - 1,2kg each), GN 1/1
922324	Kit universal skewer rack and 4 long skewers for GN 1/1 ovens
922348	Multipurpose hook
922362	Grid for whole duck (8 per grid - 1,8kg each), GN 1/1
922651	Dehydration tray, GN 1/1, H=20mm
922652	Flat dehydration tray, GN 1/1
922713	Mesh grilling grid, GN 1/1
922746	Tray for traditional static cooking, H=100mm
922747	Double-face griddle, one side ribbed and one side smooth, 400x600mm
925001	Non-stick universal pan, GN 1/ 1, H=40mm
925002	Non-stick universal pan, GN 1/1, H=60mm
925003	Double-face griddle, one side ribbed and one side smooth, GN 1/1
925004	Aluminum grill, GN 1/1
925005	Frying pan for 8 eggs, pancakes, hamburgers, GN 1/1
925006	Flat baking tray with 2 edges, GN 1/1
925007	Baking tray for 4 baguettes, GN 1/1
925008	Potato baker for 28 potatoes, GN 1/1

Accessories

PNC Code	Description
Containers, trays and grids	
925009	Non-stick universal pan, GN 1/2, H=20mm
925010	Non-stick universal pan, GN 1/2, H=40mm
925011	Non-stick universal pan, GN 1/2, H=60mm
925012	Kit of 6 non-stick universal pans, GN 1/1, H=20mm
925013	Kit of 6 non-stick universal pans, GN 1/1, H=40mm
925014	Kit of 6 non-stick universal pan GN 1/1, H=60mm
Drains	
922738	Stainless steel drain kit for 20 GN oven, dia=50mm
Feet, wheels and ramps	
922688	4 high adjustable feet for 6 & 10 GN ovens, 100-115MM
922707	4 flanged feet for 20 GN , 2", 150mm
922715	Levelling entry ramp for 20 GN 1/1 oven
Food probes	
922390	USB single point probe
922714	Probe holder for liquids
Grease/oil management	
922321	Grease collection tray, GN 1/1, H=100 mm
922329	Grease collection tray, GN 1/1, H=40 mm
Handling - bakery	
922761	Bakery/pastry trolley with rack holding 600x400mm grids for 20 GN 1/1 oven and blast chiller freezer, 80mm pitch (16 runners)
Handling - banqueting	
922365	Thermal cover for 20 GN 1/1 oven and blast chiller freezer
922756	Banquet trolley with rack holding 54 plates for 20 GN 1/1 oven and blast chiller freezer, 74mm pitch
922763	Banquet trolley with rack holding 45 plates for 20 GN 1/1 oven and blast chiller freezer, 90mm pitch
Handling - gastronorm	
922683	Trolley with tray rack, 15 GN 1/1, 84mm pitch
922753	Trolley with tray rack, 20 GN 1/1, 63mm pitch
922754	Trolley with tray rack, 16 GN 1/1, 80mm pitch
Installation solutions	
922659	Heat shield for 20 GN 1/1 oven
922739	Plastic drain kit for 20 GN oven, dia=50mm
922778	Kit for installation of electric power peak management system for 20 GN Oven
Kit compatibility air-o-system	
922769	Kit compatibility for aos/easyline trolley (produced till 2019) with SkyLine/Magistar 20 GN 1/1 combi oven
922771	Kit compatibility for aos/easyline 20 GN oven with SkyLine/Magistar trolleys
Other accessories	
922338	Smoker for lengthwise and crosswise oven

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Accessories

PNC Code	Description
Spray units	
922171	External side spray unit (needs to be mounted outside and includes support to be mounted on the oven)
Ventilation	
922725	Condensation hood with fan for 20 GN 1/1 electric oven
922730	Exhaust hood with fan for 20 GN 1/1 oven
922735	Exhaust hood without fan for 20 1/1GN oven
922751	Hood Hopper to directly connect the Hood to the centralized ventilation system, for Standard Hoods (with fan motor) and Hoods without fan motor
Wall mounting kits	
922687	Kit to fix oven to the wall
Water treatment	
864388	External reverse osmosis filter for single tank Dishwashers with atmosphere boiler and Ovens
920003	Water filter with cartridge and flow meter for high steam usage (combi used mainly in steaming mode)
920005	Water filter with cartridge and flow meter for medium steam usage
Other accessories	
922446	Elevating kit with trolley height extension for 20 GN 1/1 oven
922448	Baking tray with 4 edges in perforated aluminum, coated surface, 400x600x20mm
922449	Baking tray with 4 edges in aluminum, coated surface, 400x600x20mm
922773	Water inlet pressure reducer

Recommended Detergents

PNC Code	Description
0S2394	C25 Rinse & Descale Tabs, phosphate-free, phosphorous-free, maleic acid-free, 50 tabs bucket
0S2395	C22 Cleaning Tabs, phosphate-free, phosphorous-free, 100 bags bucket

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