

NAE201B

COMBI FOR CATERING AND LARGE BUSINESSES - 20 X 1/1 GN - ELECTRIC WITH DIRECT STEAM - STEAM GENERATOR OPTIONAL • TOUCH SCREEN CONTROLS - AUTOMATIC INTERACTIVE COOKING - EQUIPPED WITH N. 1 TROLLEY NKS201



The absolutely unique feature that distinguishes Naboo 5.0 from other professional combi ovens is called Nabook (patented). Thanks to the built-in Wi-Fi connection, you will have access to your virtual kitchen assistant and a myriad of other services (find out more on nabook.cloud).

Features



SMART

Naboo Coach, the virtual assistant which provides advice on cooking, the best washing cycle and lets you know when maintenance is required. The exclusive Naboo 5.0 Autoclima controls the ideal climate, thus guaranteeing excellent cooking quality at all times.



CONNECTED

With built-in Wi-Fi, Naboo 5.0 is always connected to Nabook Cloud, the comprehensive and free virtual kitchen assistant.



QUICK

Broccoli in just 7 minutes. 24 chickens in 30 minutes (Ref. mod.101)



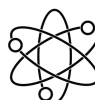
STURDY

Long Life Component LLC. New long-lasting components. EMA Easy Maintenance Access to reduce service intervention times.



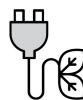
SMALL

Up to 15% less space by miniaturising the components (depending on model).



POWERFUL

Up to 20% more powerful. Pre-heating up to 320°C. Thanks to the new energy supply systems, Naboo 5.0 results in savings of up to 16% less compared to previous models.



EFFICIENT

Energy monitor. VCS Vapor Cleaning System, new washing system. Reduction in detergent consumption up to 30% less.



FLEXIBLE

Multilevel Plus. Configurable controls display. Editable recipes.



Capacity

Capacity	20 x GN 1/1		
Distance between layers	<i>mm</i>	63	2.5
Meals - Croissants	<i>n.</i>	150 / 300 - 180 / 300	
Max. total load	<i>kg</i>	90	198.5
Max. tray load	<i>kg</i>	25	55.1

Dimensions

Width	<i>mm</i>	892	35.1
Depth	<i>mm</i>	862	33.9
Height	<i>mm</i>	1812	71.3
Maximum outer width	<i>mm</i>	892	35.1
Max exterior depth	<i>mm</i>	966	38.0
Maximum exterior height	<i>mm</i>	1856	73.1
Packaging width	<i>mm</i>	1100	43.3
Packing depth	<i>mm</i>	1110	43.7
Packaging height	<i>mm</i>	2040	80.3
Net weight	<i>kg</i>	273	602.0
Gross weight	<i>kg</i>	316	696.8
Net weight (with steam generator)	<i>kg</i>	285	628.4
Gross weight (with steam generator)	<i>kg</i>	322	710.0
Volume	<i>m³</i>	1.39	49.1
Packing volume	<i>m³</i>	2.49	87.9
Minimum installation distance - left side	<i>mm</i>	50	2.0
Minimum installation distance - rear side	<i>mm</i>	50	2.0
Minimum installation distance - right side	<i>mm</i>	500	19.7
Cooking compartment width	<i>mm</i>	459	18.1
Cooking compartment depth	<i>mm</i>	650	25.6
Cooking chamber height	<i>mm</i>	1501	59.1

Power supply

Power supply voltage	3N-AC 400 V		
Electrical absorption	<i>A</i>	58	
Frequency	<i>Hz</i>	50/60	
Total electric power	<i>kW</i>	37,2	
Differential switch	RCD cl. B		
Steam heating power (with steam generator)	<i>kW / kcal</i>	36 / -	

Water Connection

Cold water inlet	<i>ø</i>	3/4"
Softened water inlet	<i>ø</i>	3/4"
Min. pressure	<i>bar</i>	2
Max. pressure	<i>bar</i>	5
Minimum water flow	<i>Lt</i>	10
Drainage slope		4°
Discharge - <i>ø</i>	<i>mm</i>	50 2.0

Water quality

Water hardness for steam generation connection	<i>°dh / ppm</i>	6° / 9° fH
pH value	<i>Ph</i>	> 7,5
Cl (chloride) - max	<i>mg / l</i>	30
Cl2 (free chlorine)	<i>mg / l</i>	0,1
Fe (iron)	<i>mg / l</i>	0,1
NH2Cl (monochloramine)	<i>mg / l</i>	0.2
Max. cold water temperature	<i>°C</i>	30 86.00
Max. softened water temperature	<i>°C</i>	50 122.00
Electrical conductivity	<i>μS</i>	50 - 200

Emissions

Latent heat	<i>W</i>	6696
Sensitive heat	<i>W</i>	4464
Max. liquid discharge temperature	<i>°C</i>	85 185.00
Noisiness	<i>db</i>	< 50

Special voltages and frequencies on request

TS-NAE201B-F60	3-AC 480 V - 60 Hz
TS-NAE201B-F50	3-AC 480 V - 50 Hz
TS-NAE201B-E60	3N-AC 440 V - 60 Hz
TS-NAE201B-E50	3N-AC 440 V - 50 Hz
TS-NAE201B-D60	3-AC 440 V - 60 Hz
TS-NAE201B-D50	3-AC 440 V - 50 Hz
TS-NAE201B-C60	3-AC 400 V - 60 Hz
TS-NAE201B-C50	3-AC 400 V - 50 Hz
TS-NAE201B-B60	3-AC 230 V - 60 Hz
TS-NAE201B-B50	3-AC 230 V - 50 Hz

HOW TO USE

- MULTILEVEL mode - Possibility to cook different foods simultaneously with different cooking times.
- Fast-Dry Boosted® - Automatic system for quick dehumidification of the cooking chamber.
- Autoclimate® - System that automatically manages the perfect climate in the cooking chamber.
- MULTILEVEL PLUS - The multi-level function on each shelf means doubling production capacity (patented).
- Programmable modes: possibility to programme and save a recipe with its cooking methods in an automatic sequence (up to 15 cycles) giving each programme its own name, picture and information on the recipe.
- Manual mode with three cooking modes and instant cooking start: convection from 30°C to 300°C, steam from 30°C to 130°C, combination convection + steam from 30°C to 300°C.
- ICS (Interactive Cooking System), an automatic cooking system for Italian and international recipes including their history, ingredients, cooking accessory, procedure, automatic cooking programme and a photographic plate presentation.
- SmokeGrill for barbecue system (patented). Recyclable SmokeEssence dispenser (optional).
- Pre-heating at 320°C.
- Night cooking. Low temperature night cooking and subsequent holding guarantees perfect maturation of the meat with minimum weight loss and low power consumption.
- JUST IN TIME (JIT) mode - Allows different foods to be taken out of the oven at the same time. All with utmost organisation and best results guaranteed, always (patented).

CONNECTIVITY

- Nabook - Thanks to the Cloud feature, it is possible to access Nabook, the virtual kitchen assistant (read more on nabook.cloud, free registration).
- LMS, LAINOX Multidisplay System - Thanks to the Nabook portal and the new LMS, you can configure your devices and synchronise your recipes in a different way for each Naboo.
- Possibility to run automatic software updates on multiple devices simultaneously.
- Wi-Fi connection. Compatible with IEEE 802.11g (2.4 GHz) standard.
- Extra charge for Ethernet connection (optional).
- Remote consumption monitoring.
- Automatic software update notification system.
- Remote diagnosis through the Nabook portal by the LAINOX Service Center.
- Continuous HACCP monitoring even by remote through the Nabook portal.
- Synchronisation of devices connected to the same account (patented).
- Organisation of shopping list to export in Word format.
- Food cost calculation of recipes and single portion menus.
- Menu creation with calorie count and list of allergens with layout for customised print out.
- Direct access from cooking device to recipe database, with optional download (patented).
- Recipe creation including ingredients with procedure and photo.
- Compatible with temperature monitoring system (e.g. Microlide).
- Possibility to download recipes from the Nabook portal based on country.

CONTROL MECHANISMS

- TurboVapor - With the TurboVapor system the ideal level of steam is automatically produced to cook "tough" products like egg pasta or asparagus, turnip greens and chard, which are notoriously fibrous vegetables (for model with steam generator).
- Intelligent Energy System - Based on the quantity and type of product, the oven optimises and controls the energy output, maintaining the best cooking temperature and avoiding fluctuations.
- User profile block (specific function for Quick Service Restaurant - QSR).
- Possibility to programme staggered cooking times by date and time.
- Reminder to clean air filters.
- External Water-softener's efficiency monitoring system (water-softener optional).
- Low consumption LED cooking chamber lighting. Optimal visibility in all points of the cooking chamber. Neutral light that doesn't alter the original colours of the product.
- EcoVapor - With the EcoVapor system, there is a net reduction in water and energy consumption due to the automatic controls of the steam saturation in the cooking chamber.
- Self-diagnosis before starting to use the equipment, with descriptive and audible signalling of any anomalies.
- Energy Monitor - Monitoring system of energy, gas, water, cleaning chemicals.
- SERVICE program: Testing the operation of the electronic board - Display of the temperature probes - Counter for operating hours of all primary functions for programmed maintenance.
- Pre-configured SN energy optimisation system (optional).
- Possibility of setting combi switch-off at the end of the automatic wash program.
- USB connection to download HACCP data, update software and load/download cooking programmes.
- 2 core probe (optional).
- Temperature control at the product core using probe with 4 detection points.
- Ability to choose up to 6 fan speeds; the first 3 speeds automatically trigger a reduction in heating power. For special cooking methods, you can use an intermittent speed.
- Easy access to programmable user parameters to customise the appliance through the user menu.
- Automatically regulated steam condensation.
- Automatic parallel compartment and core temperature control, DELTA T system.
- Auto reverse (automatic reverse of fan rotation) for perfect cooking uniformity.
- Smart Diagnostic System - Functional diagnostics to always have your equipment at its maximum performance.

- SLS - Smart Lighting System - Visual communication that allows you to understand, with just one glance, when work needs to be done (optional).
- Switch mode power supply - New highly efficient switch mode power system.
- Multipoint core probe with external connector, $\varnothing$ 3 mm.

STRUCTURAL CHARACTERISTICS

- Long Life Component LLC - Use of new long-lasting components (Lainox internal approval procedure).
- Long Life Gasket - LLG. Automatic electromagnetic tracked frame hold and release system to preserve the seal of the stop gasket (patent pending).
- Solid state relay for power optimisation and modulation.
- Compact brushless magnetic drive motors.
- New oven drain with built-in air gap in accordance with standard EN61770.
- Two water inlets (soft and cold water).
- Front removable control panel for easy servicing.
- New push-in adaptable dove-tail joint seal for oven front panel made with heat and age resistant silicon rubber, easy to replace.
- Cooking chamber in 1 mm thick 18/10 AISI 304 stainless steel with long fully rounded edges for best air flow and easier cleaning.
- Deflector that can be opened for easy fan compartment cleaning.
- Adjustable hinge for optimal seal.
- Door with three locking points. Handle brake in open door position.
- Internal glass that folds to open for easy cleaning.
- Perfectly smooth, watertight chamber.
- Door with rear ventilated double tempered glass with air chamber and interior heat-reflecting glass for less heat radiation towards the operator and greater efficiency.

OPERATION

- 227 recipes available, with hundreds more available by accessing the Nabook portal. Each recipe has been tested to guarantee best results.
- User interface with a choice of 29 languages.
- Acoustic and visual signalling during the various stages of cooking, with a flashing light at the end of the cycle.
- Manual humidifier.
- Rapid cooling with possible injection of water into the cooking chamber.
- Automatic resumption of cooking in case of a power failure.
- Cool Down function for the rapid fan-cooling of the cooking chamber.
- Boosted Pre-heating. Possibility to pre-heat the cooking chamber up to 320°C to reduce cooking times by up to 10% in case of a full oven.
- Instantaneous display in ICS cooking of the HACCP graphic.
- 10" colour screen (LCD, high definition, capacitive, with "Touch Screen" functions).
- Intelligent recognition of recipes in multilevel folders.
- Organisation of recipes in folders with preview, giving each folder its own name.
- Automatic "One Touch" cooking (ICS).
- Display that can be configured based on the needs of the user, bringing forward the programmes used most.
- Naboo Coach (virtual assistant). Warnings on display indicating need for maintenance.
- Possibility to view and modify the recipe at any time.

ELECTRICAL OPERATION

- Cooking chamber heating system with armoured heating elements in INCOLOY 800 stainless steel.

STEAM GENERATION - DIRECT

- Direct cooking chamber steam generation system with water injection directly on the fan and nebulization on the heating elements. Advantage: immediate availability of steam in the cooking chamber.

STEAM GENERATION - INDIRECT (WITH STEAM GENERATOR)

- New high-performance fully insulated steam generator in AISI 304 stainless steel.
- CAL-OUT system to prevent scale build-up within the boiler, as standard.
- Boiler semi-automatic de-scaling program.
- Alarm in case of boiler de-scaling required.
- Daily automatic boiler draining and rinsing, temperature of drained water below 60°C.
- Automatic boiler pre-heating.
- Steam generator heating elements of armoured INCOLOY 800 type.

SAFETY FEATURES

- Complies with national and international standards for safe operation in case of use without direct operator supervision - IEC 60335-1 / IEC 60335-2-42.
- Max 65°C external temperature on the door panel.
- Fan motor brake.
- Boiler probe to check boiler completely empty.
- Automatic electronic control of water level in the steam generator during filling and draining.
- Steam generator temperature limiter.
- Ventilated component cooling system with electronically controlled over-temperature display.
- Self-diagnosis with smart error viewing.
- Electronic control for lack of water alarm.

- Door open/closed electronic sensor.
- Fan motor thermic protection.
- Cooking compartment safety device for pressure built-up and depression.
- Cooking chamber temperature limiter.
- In case of a power failure during washing, hygiene is always guaranteed insofar as the washing cycle is automatically resumed.
- Maximum last tray shelf height 160 cm.

CLEANING AND MAINTENANCE

- VCS - Vapor Cleaning System. Innovative automatic cleaning system with controlled dosage. The vaporisation of the detergent in the cooking chamber enables a considerable reduction in detergent consumption of up to 30%.
- SLC - Smart Chemicals Control - Precisely controls detergent consumption, alerting you when it is about to run out and suggesting the suitable wash for the amount of residual detergent (optional).
- CombiClean Boosted liquid cleaner in 10 kg canister (100% recyclable HDPE). Supplied with canister of CombiBlue (990 g), alkaline cleaning agent for initial oven start-up.
- CALOUT descaling system that prevents the formation and accumulation of limescale in the steam generator (for model with steam generator).
- CalFree Boosted liquid limescale remover in 10 kg canister (100% recyclable HDPE). Supplied in 990 g canister.
- WMS - Wash Management System. System allowing washing programmes to be planned based on combi use.
- 7 automatic washing programmes without the need for operator input after start-up: Manual - Rinse - Fast - Soft - Medium Eco - Hard Eco - Grill.
- "Fast" ultra-fast washing in 10'. Minimum interruptions to the work cycle and consistently optimal cleaning.
- Manual cleaning system with retractable hand-held shower.
- Easy external cleaning thanks to perfectly smooth surfaces in stainless steel and glass and IPX5 protection against water splashes.

INSTALLATION AND ENVIRONMENT

- It is recommended to have the equipment installed by LAINOX accredited Service Centers.
- Quality ISO 9001 / Safety ISO 45001 / Environmental ISO 14001 certification.
- Product recycling rate: 90%.
- LCP - Life cycle perspective: CO2 consumption - 380 Kg CO2 eq/year. The calculation was performed taking mod. _E101B (model with steam generator), taking into account a hypothetical restaurant use and considering 8 hours a day for 3.5 days a week, forty-eight day per year.
- 100% recyclable packaging.
- It is recommended to have periodic maintenance carried out by a LAINOX Service Center in accordance with the manufacturer's recommendations and as stated in the maintenance manual and warranty.
- Operation without adding the water softener and descaler (model with steam generator).

STANDARD EQUIPMENT

- Multipoint core probe ø 3 mm with external connector
- Built-in and retractable hand shower with tap
- CALOUT descaling system for models with boiler. Supplied with anti-scale product
- Wi-Fi connection. Compatible with IEEE 802.11g (2.4GHz) standard
- USB connection
- VCS - Vapor Cleaning System. Innovative automatic cleaning system with controlled dosage.
- Trolley NKS201 - 20 x GN 1/1

OPTIONAL TO BE REQUESTED WHEN ORDERING

OB201E: Steam generator. For electric model

SLS3: Smart lighting system - Chromatic communication

SSB201S: Extra charge for trolley NKS201S - 15 x 1/1 GN - ⤴ 84

SSB154: Extra charge for trolley NKS154 - 15 x EN1 (600 x 400) - ⤴ 89

NSGB200: Innovative smokegrill for barbecue system

MK201B: Marine version. Kit consisting of: immobilizing door lock, flanged feet, display/control panel protection. Extraction hood and configuration for connection, cannot be installed

LLG: Long Life Gasket - Automatic tracked frame hold and release

KPG201: Chicken grill kit professional

DSP: Display-control panel protection

SSB564P: Extra charge for trolley NKS564P - 5 x EN1 (600 x 400) - ⤴ 250

SN: Extra charge for energy saving system connection. Electric models only

NETH: Extra charge for Ethernet connection

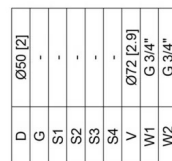
BPK: Configuration for connection to extraction hood (electric models only).

SNCP: Extra charge for energy saving system connection. Electric models only. Exclusive for Power Guardian system

NPSB20: Right hinged door, retractable hand shower not available - Includes an external hand shower complete with fittings and connectors (model ICLD)

SLCS: Smart chemical control - For steam generator models - Already included in the SBIB_ option.

SLCV: Smart chemical control - For direct steam models - Already included in the SBIB_ option.



A	D	E	F
Technical compartment cooling air intake	Liquid discharge	Electric power supply cable inlet	Cooking chamber air intake
G	S1	S2	S3*
Gas inlet	Cooking chamber fumes exhaust	Cooking chamber fumes exhaust	Steam generator fumes exhaust
S4*	V	W1	W2
Steam generator fumes exhaust	Steam vent and cooking chamber pressure drop safety device	Water inlet	Softened water inlet
			
Equipotential connection	Ethernet connection		