Instruction manual

Cooling cabinet 305 l, white
DNR 400

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1. DECLARATION OF CONFORMITY

Decree of the Ministry of Health of the Czech Republic no. 38/2001 Coll. of 19 January 2001 Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation of the European Parliament and Council Regulation (EC) no. 1935/2004 of 27 October 2004

The products meet the requirements of §26 of Act No.258/2000 as amended. The products meet the requirements of RoHS Directive 2015/863/EU, 10/2011, 517/2014, 2015/1094, 2015/1095.

Attention, the manufacturer gives up any responsibility in case of direct and indirect damage that is relate to poor installation, incorrect intervention or adjustments, insufficient maintenance, incorrect by using and which are eventually caused by other causes that the points referred to in the conditions sales. This appliance is intended only for professional use and must be operated by qualified idividuals. Parts that have been secured by the manufacturer or authorized worker after the setting rebuild.

2. TECHNICAL DATA

The label with technical data is located on the side or back panel of the device. Please read the wiring diagram and all the following information in the attached manual before installation.

Net Width [mm]	Net Depth [mm]	Net Height [mm]	Net Weight [kg]	Power electric [kW]	Loading
595	1850	1850	73.00	0.083	230 V / 1N - 50 Hz

Annual energy consumption [kWh]	Climate class	Gross depth [mm]	Gross Height [mm]	Insulation thickness [mm]	Load capacity [kg]
253	4	680	1970	70	30

Max ambient temperature [°C]	Maximum device temperature [°C]	Min ambient temperature [°C]	Minimum device temperature [°C]	Number of doors	Number of grids
38	10	0	0	1	5

Refrigerant weight [g]	Gross Volume [m3]	Net Volume [m3]	Gross Weight [kg]	Gross Width [mm]
81.00	0.844	0.715	78.00	630

3. LOCATION ELECTRIC

For the correct operation and placement of the appliance, it is necessary to observe the following all prescribed standards for the given market. Unpack the device and check that the device has not been damaged during transport. Place the device on a horizontal surface (maximum unevenness up to 2°). Small unevenness can be leveled with adjustable feet. If the device will be placed in such a way that it will be in contact with the walls of the furniture, these must withstand a temperature of up to 60°C. Installation, adjustment, commissioning must be performed by a qualified person who is authorized to perform such operations, according to applicable standards. The device can be installed separately or in series with devices of our production. A minimum distance of 10 cm from flammable materials must be observed. In this case, it is necessary to secure the appropriate modifications to ensure the thermal insulation of the combustible parts. The appliance must only be installed on a non-flammable surface or against a non-flammable wall. **Parts of the appliance provided by the manufacturer. or his representative, the worker performing the installation may not rebuild the product.**

4. SAFETY MEASURES FOR FIRE PROTECTION

- the appliance may only be operated by adults
- the appliance may be used safely in accordance with applicable market standards:

Fire protection in spaces with special risk or danger

Protection against the effects of heat

- the appliance must be placed so that it stands or hangs firmly on a non-combustible surface

Objects of flammable substances must not be placed on the appliance at a distance less than a safe distance from it (the smallest distance between the appliance and flammable substances is 10 cm).

Table: degree of flammability of building materials included in st. flammability of substances and products

Degree of flammability	Building materials
A - non-flammable	granite, sandstone, concrete, brick, ceramic tiles, plaster
B - Not easily flammable	Acumin, Heraclitus, Lihnos, Itaver
C1 - highly flammable	wood, hardwood, plywood, hard paper, umakart
C2 - moderately flammable	chipboards, solodur, cork boards, rubber, flooring
C3 - Highly flammable	wood fiber boards, polystyrene, polyurethane, PVC

- information on the degree of flammability of common building materials is given in the table above. Appliances must be installed in a safe manner. During installation, the relevant design, safety and hygiene regulations must also be respected:
- fire safety of local appliances and heat sources
- fire protection in areas with special risk or danger
- protection against the effects of heat

5. INSTALLATION

Important: The manufacturer does not provide any warranty for defects arising as a result of incorrect use, failure to follow the instructions contained in the attached user manual and mishandling of appliances. Installation, modification and repair of appliances for large kitchens, as well as their dismantling due to possible damage to the gas supply, can only be carried out on the basis of a maintenance contract, this contract can be concluded with an authorized dealer, while technical regulations and standards and regulations must be observed regarding installation, electrical supply, gas connection and work safety. Technical instructions for installation and adjustment, for use by specialized technicians ONLY. The instructions that follow refer to a technician qualified for installation to carry out all operations in the most correct manner and according to the applicable standards. Any activity related to regulation etc. must only be performed with the device disconnected from the network. If it is necessary to keep the appliance under voltage, the utmost care must be taken. The type of appliance for extraction is declared on the nameplate, it is an A1 appliance.

6. CONNECTING THE ELECTRICAL CABLE TO THE NETWORK

Installation of the electrical supply - this supply must be separately secured. Ato with the corresponding circuit breaker of rated current depending on the power input of the installed device. Check the power consumption of the device on the production label on the back panel (or side) of the device. The connected ground wire must be longer than the other wires. Connect the device directly to the network, it is necessary to insert a switch between the device and the device with a minimum distance of 3 mm between the individual contacts, which corresponds to the applicable standards and load. The earth supply (yellow-green) must not be interrupted by this switch. Connect the device to the mains if the socket has adequate protection. In any case, the supply cable must be located so that it does not reach a temperature of 50 degrees higher than the environment at any point. Before the appliance is connected to the network, it is necessary to first make sure that:

- the supply circuit breaker and the internal distribution can withstand the current load of the appliance (see matrix label)
- the distribution board is equipped with effective grounding according to the standards of the relevant market and the conditions given by law
- the socket or switch in the supply is easily accessible from the appliance
- the electrical supply to the device must be made of oil-resistant material

We disclaim any responsibility in the event that these standards are not respected and in the event

of a violation of the above principles. Before first use, you must clean the device, see chapter ""cleaning and maintenance"". The appliance must be grounded using a screw with a grounding mark.

- Do not insert the plug of the power supply into the electrical outlet. sockets and do not pull out the zel. sockets with wet hands and pulling on the power cord!
- Do not use extension cords or multiple sockets.
- **The mains connection point must have a maximum of the following impedance: ZMAX = 0.042 + j 0.026 Ω for the phase conductors and 0.028 + j 0.017 Ω for the neutral conductor.**

7. SAFETY REGULATIONS

• The appliance may only be used for the purpose for which it was intended and designed. The manufacture is not liable for any damage caused by incorrect operation and improper use.

• Incorrect operation and improper use of the appliance can seriously damage the appliance and injure users.

• Keep the appliance and electrical plug away from water and any other liquids.

• In the unlikely event that the appliance should fall into water, immediately pull the plug out of the socket and have the appliance checked by a certified technician. Not following these instructions could give rise to life-threatening situations.

• Never try to open the casing of the appliance yourself.

• Do not insert any objects in the casing of the appliance.

• Do not place the appliance on its side or upside down, even when the appliance needs to be transported. Do not turn the appliance in an angle of more than 45º.

• After transport, let the appliance rest for 4 hours before switching it on.

• Transport of the appliance in an angle of more than 45º forfeits the warranty for the appliance. Doing this in anyway is therefor at your own risk. Any costs for problems occuring will therefor not be covered.

• NOTIFICATION! If it is not possible to transport or move it in less than an angle of 45º then at least make sure you leave the machine in the required position for 24-48 hours before switching it on and using it. This will still be better for the machine so any gas and oil that may have moved through the machine can come to rest. This is still at your own risk and forfeits the warranty.

• Do not use the appliance after it has fallen or is damaged in any other way. Have it checked and repaired by certified repair company.

• Do not try to repair the appliance yourself. This could give rise to life-threatening situations.

• Make sure the cord does not come in contact with sharp or hot objects and keep it away from open fire. To pull the plug out of the socket, always pull on the plug and not on the cord.

• WARNING! Do not use an extension plug for the plug, but connect the appliance straight to the socket.

• This appliance is meant to keep your food and drinks cool/frozen.

• Never let children close to the appliance without supervision.

• Do not use the appliance outside or in bright sunlight.

• Always pull the plug out of the socket when the appliance is not being used and before cleaning it.

• Do not place any items or objects on top of the appliance.

• The electrical installation must meet the applicable national and local regulations.

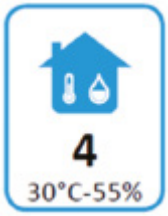
• WARNING! As long as the plug is in the socket the appliance is connected tot he power source.

• Turn off the appliance before pulling the plug out of the socket.

• Never carry the appliance by the cord.

• Avoid overloading the appliance.

• Climate class, ambient temperature and humidity



Item	Temperature °C	Power Requirements	Outer dimensions W x L x H (mm)	Weight kg	Volume Brutto l	Volume Netto l
DNR 200	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 830	42	200	89,7
DNR 200 S	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 830	46	200	89,7
DNR 200 G	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 830	48	200	89,7
DNR 200 GS	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 830	50	200	89,7
DNR 400	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	78	400	269,0
DNR 400 S	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	82	400	269,0
DNR 400 G	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	84	400	269,0
DNR 400 GS	0/+10	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	86	400	269,0
DNR 600	0/+10	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	97	600	475,3
DNR 600 S	0/+10	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	102	600	475,3
DNR 600 G	0/+10	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	104	600	475,3
DNR 600 GS	0/+10	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	106	600	475,3
DNF 200	-18/-22	230 V/ 50 Hz/ 1PH	595 x 650 x 830	42	200	60,7
DNF 200 S	-18/-22	230 V/ 50 Hz/ 1PH	595 x 650 x 830	46	200	60,7
DNF 400	-18/-22	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	78	400	234,0
DNF 400 S	-18/-22	230 V/ 50 Hz/ 1PH	595 x 650 x 1850	82	400	234,0
DNF 600	-18/-22	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	97	600	409,0
DNF 600 S	-18/ -22	230 V/ 50 Hz/ 1PH	775 x 750 x 1850	102	600	409,0

8. OPERATION

• Plug the appliance into an earthed socket.

• Use „ON/OFF“ switch to start the units.

• WARNING! Never move the appliance during use.

• Use the controle panel at the front of the appliance to set the desired temperature.

• Press the SET button to view the chosen temperature in the display. Press SET again to return to the current temperature.

• If you press SET for 3 seconds you will see the chosen temperature blinking. Press the arrow up or arrow down button to adjust the chosen temperature. Again press SET to save the set temperature and return to the current temperature.

• The button with water drops can be used to start the defrost cycle. Press the button for 6 seconds, the defrost cycle will be started manually this way Keep in mind this is a short defrost cycle and freezers still need to be emptied regularly
and shut down to completely defrost all the ice in the machine.

• Place the shelfs at the desired height in the cooler, when using a freezer. The shelfs are not adjustable in height. Cause the cooling systems runs through them.

• Wait for 2 hours after switching on the appliance before placing products inside the appliance.

• Place products approximately 5cm from the back and side walls of the appliance, to prevent freezing of the products and blocking air circulation in the machine.

• Do not place any wet boxed/products, or anything of this kind, in the appliance.

• NOTIFICATION! We recommend keeping enough space in between products in side the appliance to keep a proper air circulation. When not following this guideline the cooling capacity of the appliance cannot be guaranteed as the appliance works with rear wall cooling and a fan to spread the cool air through the appliance.

• NOTIFICATION! When you refill the appliance with products, we advise to do this at the end of the day so the appliance has enough time to cool the products for the next day.

• When the appliance is not being used, turn off the appliance by pressing the „ON/OFF“ switch.

• When the appliance will not be used for a longer period, please remove the plug from the socket.

• WARNING! Never place products unprotected on the bottom of the appliance. The reason for this is that condensation water will be drained at the bottom of the machine.

9. TROUBLESHOOTING

Problem	Cause	Solutions
No cooling	- Plug not plugged into socket properly - Power shortage - Broken temperature controller	- Plug the appliane back in the socket - Check the power supply - Contact the supplier
Cooling capacity is insufficient	- Bad air circulation in or around the appliance - Environment temperature is too hot - Direct sunlight or another heat source nearby - Too many products in the appliance - Fan inside the appliance is not working	- Make sure all the appliance has 10cm of free space on all sides - Make sure the environment is properly ventilated - Remove the appliance from the sunlight or heat source - Remove any excess products to create a better air circulation in the appliance - Check the fan and make sure it‘s working and not blocked
The appliance is making a lot of noise	- The appliance is touching a different object - The appliance is not on a flat surface or isn‘t leveled properly - The appliance isn‘t clean on the inside	- Make sure all the appliance has 10cm of free space on all sides - Stabilize the appliance and level it properly. Make sure it is on a flat surface. - Regular maintenance and cleaning is needed.
Freezing	- The door is open to often or draws false air -The appliance hasn‘t been defrosted properly for a while	- Close the door immediately after use and check the door gasket -The appliance should be regularly cleaned and defrosted.
There is a lot of excess water at the bottom of the appliance	- The water drain has been logged so excessive water cannot be drained - The appliance isn‘t on a flat surface or isn‘t leveled properly so the water cannot run into the drain - There is too much warm air leaking into the appliance which cause excessive moisture	- Run something thin through the drain so that any blockages are being punctured or removed - Stabilize the appliance and level it properly - Close the door immediately after use and check the door gasket

10. CLEANING AND MAINTENANCE

It is recommended to have the device checked with a specialist service at least once a year. All the interventions in the device can only be carried out by a qualified person who has the authorization to do so. **CAUTION!** The device must not be cleaned with direct or pressure water. Clean the equipment daily. Daily maintenance extends the life and efficiency of the equipment. Always turn off the main inlet to the device. Wash the stainless steel parts with a damp cloth with a detergent without coarse particles and wipe dry. Do not use abrasive or corrosive cleaning agents. Attention! Before using the device, it is necessary to remove the protective foil from the entire surface, and then wash it well with water with detergent, and then wipe it with a damp cloth. **ALERT!** The warranty does not apply to all consumables subject to normal wear (rubber seals, bulbs, glass and plastic parts, etc.). The warranty also does not apply to the device if the installation is not carried out in accordance with the instructions - an authorized worker according to the corresponding standards and if the equipment was unprofessionally manipulated (interventions in the internal equipment, etc.) or were operated by unhappy staff and contrary to the instructions for use, further The warranty does not apply to damage by natural effects or other external intervention. **Required service organization 2 times a year. After the lifetime, the shipping packaging and equipment are submitted to the collection, according to the regulations on waste management and hazardous waste.**