

PORTABIANCO

REFRIGERATOR UNITS (ELECTRICAL – INDUSTRIAL TYPE)



USER MANUAL

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ATTENTION!!!

Building, plant or place of installation must have wiring appropriate to “ELECTRICAL INTERNAL INSTALLATION” regulation published in the official gazette dated 4/11/2284 and numbered 18565 and all kinds of precautions must be taken in order to provide life and property safety.

**OUR FIRM CANNOT BE HELD RESPONSIBLE IN OPPOSITE
CONDITIONS**

PRESENTATION

Dear user,

Thank you for preferring our device and trusting our firm. Our devices are used in industrial kitchens. Our devices are produced according to international standards. Please read and make users read this user manual carefully in order to take long term efficient outputs from device as appropriate to your expectations. Please take care of the following points before calling service.

☞ Please read this manual before installing and using the machine, and also make other users read the manual.. Guarantee of the device will be void if the machine is operated without reading the manual.

☞ Read installation, use and maintenance manuals of device carefully. Get gas installation of device prepared by qualified personnel as appropriate to legal legislation before arrival of our authorised service personnel for installation.

☞ Consult the closest authorised service by phone about the issues you do not understand well.

☞ Please remember that if service personnel wait, costs and hourly waiting costs will be invoiced to you.

TECHNICAL SPECIFICATIONS

YOUR MODEL	GENERAL DIMENSIONS (cm.)	NET VOLUME (lt.)	TOTAL ELECTRICAL POWER (W)	COOLING DEGREE (°C)	COMPRESSOR POWER	ELECTRICAL SUPPLY VOLTAGE (V)	WEIGHT (Kg.)
DT-1NGN	67,5x83,5x208	635 lt	425W	-2 °C/ +8 °C	1/3 Hp	220 - 240	180kg
DT-1N70	187x70x85	476 lt	410 W	-2 °C/ +8 °C	1/4 Hp	220 - 240	150kg
DT-1DGN	140x70x85	281 lt	308 W	-2 °C/ +8 °C	1/5 Hp	220 - 240	110kg
DT-1D70	233x60x85	520 lt	425W	-2 °C/ +8 °C	1/3 Hp	220 - 240	170kg
DT-2NGN	187x60x85	395 lt	410 W	-2 °C/ +8 °C	1/4 Hp	220 - 240	140kg
DT-2N70	140x60x85	232 lt	308 W	-2 °C/ +8 °C	1/5 Hp	220 - 240	100kg
DT-2DGN	233x70x85	635 lt	477 W	-8 °C/ -22 °C	1 Hp	220 - 240	180kg
DT-2DGN	187x70x85	476 lt	465W	-8 °C/ -22 °C	3/4 Hp	220 - 240	150kg
DT-3NGN	140x70x85	281 lt	338 W	-8 °C/ -22 °C	1/2 Hp	220 - 240	110kg
DT-3N70	233x60x85	520 lt	477 W	-8 °C/ -22 °C	1 Hp	220 - 240	170kg
DT-3DGN	187x60x85	395 lt	465W	-8 °C/ -22 °C	3/4Hp	220 - 240	140kg
DT-3D70	140x60x85	232 lt	338 W	-8 °C/ -22 °C	1/2 Hp	220 - 240	100kg

CAUTION SIGNS



ELECTRICITY



GROUNDING

ELECTRICAL CONNECTION VALUES

VOLTAGE: 220 V – 240 V

**MAINS CONNECTION: MONOPHASE
WITH GROUND LINE**

FREQUENCY: 50 hz

ATTENTION !!!



Remove all obstacles on case of device or built in devices which obstruct ventilation holes!



Do not use any mechanical devices or methods to accelerate defrosting action except those proposed by the producer!



Do not damage refrigerator flow circuit!



Do not use electrical devices inside food storage area of device except types suggested by the producer.

SAFETY DETAILS



⚠ Do not expose the device to direct sunlight. Keep **at least 40 cm** away from heat sources like oven, cooker, heater core and stove.



⚠ Do not clean with pressurized water.



⚠ You can use your devices together with our other products in the same series next to each other.



⚠ Install this device according to regulations in force and use only at places with good ventilation.



⚠ Consult instructions before installation and use of device.



⚠ This device is designed for industrial use and can only be used by qualified personnel.



⚠ Only the producer or authorised service can intervene the machine.
Do not intervene the machine.

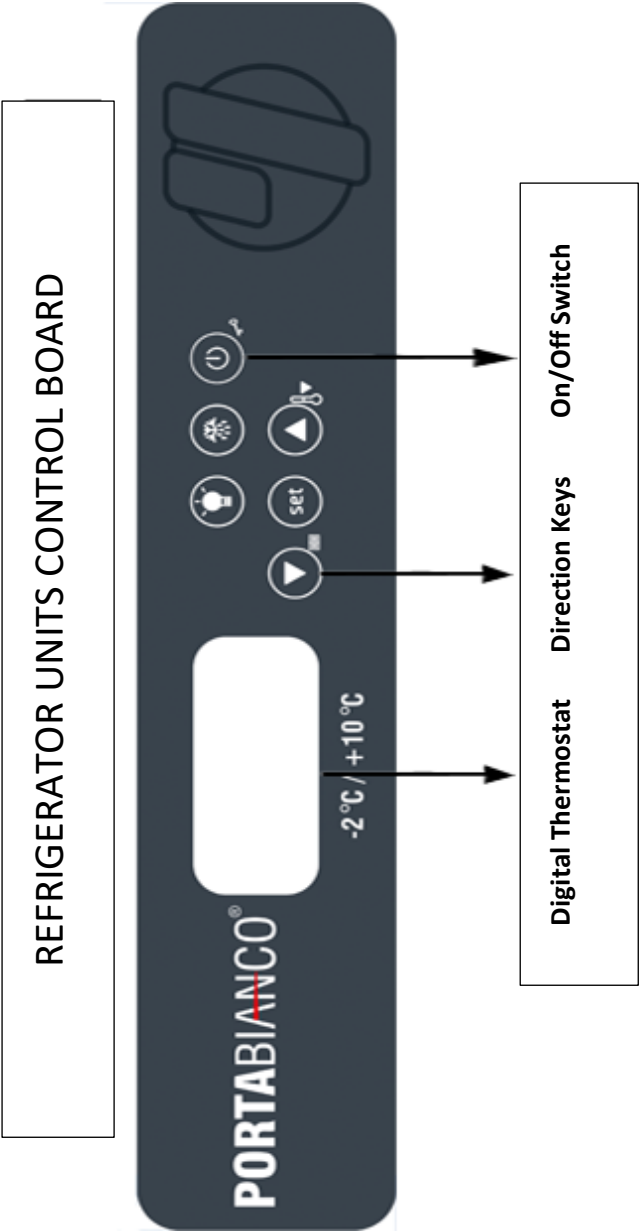


⚠ In case of fire at device area, do not panic, close gas valves and electrical switchboard and use fire extinguisher.



⚠ Never use water in order to extinguish fire. Water will spread fire faster.

CONTROL BOARD



HANDLING AND REPLACEMENT



ATTENTION !!!



Replacement; **Do not replace devices installed by authorised service, do not change or extend power supply cable.**

- ☞ Place device on pallet with an assistant vehicle like forklift.
- ☞ Put forks under device in a balanced way and handle device.
- ☞ If handling distance is far, move slowly and fix device to pallet against vibrations or use a personnel to keep balance if necessary.
- ☞ Do not crash anywhere or drop unit while handling.

INSTALLATION



ATTENTION!!!



All of the installation instructions of device given below will only be carried out by the authorised service personnel.

- ⚠ Take out protective film layer on device before installation.
- ⚠ Level the refrigerator using adjustable feet. Do not permit vibrations.
- ⚠ After placing devices to their usage area wait 6 hours for refrigerators working at -2/+8 degrees and 12 hours for refrigerators working at -8/-22 degrees before running. This waiting time is necessary to return compressor oil which goes into the system during handling. Run freezer models for 24 hours empty for the first operation.
- ⚠ Compressor thermic protector switches at sudden power failures or disconnection of power plug as gas pressure of refrigerating system is not balanced. Device will start normal operation after 4-5 minutes.
- ⚠ Get a licensed electrician check electrical connection of device and connect it to a fuse which is 170 cm high from the ground.
- ⚠ Make electrical connection with 30 mA leakage current fuse against leakage current danger.
- ⚠ Connect wiring of device to the grounding busbar at the closest board.

USE OF DEVICE

Refrigerators are composed of static or fanned air circulation models in different dimensions. Device is used to cool food at food service areas like hygienic production main kitchen, auxiliary kitchen, hotel, restaurant, cafeteria, fast food, patisserie. Refrigerators are appropriate for pizza preparation cases for fast food stores, cafeteria and open buffet presentations.

NOTE: Use only for the purpose it is designed for. Machine must be used by those who knows safety and technical conditions and who have read user manual.

Refrigerator units has thermometer with digital thermostat. Thermometer with digital thermostat is adjusted at factory according to device models. Never change these settings. Your intervention can damage device. In that case device will be out of guarantee scope.

- ☞ Turn on and off power switch of device.
- ☞ Digital thermometer displays interior temperature of refrigerator.
- ☞ For the first operation take care of the following points for the **first 6 hours**.
- ☞ Avoid power failures.
- ☞ Do not open doors frequently.
- ☞ Run refrigerator empty without foods.
- ☞ In case of power failure in the first **6 hours**; consult warnings under the title “Actions Before Calling Authorised Service”.
- ☞ Take care to keep food at necessary cooling degrees. Do not leave refrigerator doors open, and make sure to use refrigerator at environmental conditions of exterior temperature and relative moisture given in user manual. At intervals unplug discharge hole at the ground to discharge water accumulating due to moisture or defrost.
- ☞ Operate device in environmental temperatures between +5 °C and 32,2 °C and maximum 65% relative moisture.



ATTENTION!!!

Do not operate device before connecting to ground line.

ATTENTION !!!



After installing devices to their usage area wait 6 hours for refrigerators working at -2/+8 degrees and 12 hours for refrigerators working at -8/-22 degrees before running. This waiting time is necessary to return compressor oil which goes into the system during handling.



Shelves can bear maximum 20 Kg.



Make sure to install and operate device according to instructions. Call the closest authorised service in case of any fault.



Only Portabianco authorised services can intervene device. Devices intervened by personnel except Authorised Services;

“WILL BE OUT OF GUARANTEE SCOPE.”

Never permit unauthorised people intervene device, otherwise producer firm cannot be held responsible. Do not offer our authorised services use of unoriginal spare parts. Devices with unoriginal spare parts;

“WILL BE OUT OF GUARANTEE SCOPE.”

ACTIONS FOR SAVING ENERGY

- ⚡ Do not keep door of refrigerator open for long periods.
- ⚡ Do not put hot food and beverages into your refrigerator.
- ⚡ Do not overload your refrigerator in a way to close thermometer tip and avoid air flow inside.
- ⚡ Do not put your refrigerator to direct sunlight or next to heat sources like oven, washing machine, radiator.
- ⚡ Make sure you put foods inside refrigerator in closed vessels.

CLEANING AND MAINTENANCE

- ☞ Clean the device in certain periods. Before cleaning unplug it from the power source or switch off the fuse to turn off power.
- ☞ Never use steam or steamy cleaning materials for cleaning. Steam can contract with live circuits and cause short circuit or electric shocks.
- ☞ Clean your refrigerator with a soft cloth or sponge moistened with liquid washing detergent or warm water. Rinse with a clean cloth moistened with warm water in order not to leave detergent on device. Never use abrasive materials (thinner, bleach, powder detergent etc.) on device.
- ☞ Only use **warm soapy water** for cleaning door seal. Do not use detergent and similar cleaning materials. Otherwise vacuum feature of seals will be damaged.
- ☞ Take care not to enter water into electrical board of device.
- ☞ Clean top and around of condenser with brush at times as they reduce efficiency of device.

CAUTION!!!



Never use petrol, gas oil, thinner, acid and similar inflammable and dissolver materials for cleaning.



Only use **warm soapy water** for cleaning door seal. Do not use detergent and similar cleaning materials. Otherwise vacuum feature of seals will be damaged.

Life of device is 10 years when it is used in suggested usage conditions.

ACTIONS TAKEN BEFORE CALLING SERVICE

- ☞ Is the device plugged to power socket correctly?
- ☞ Is the fuse of socket or main socket blown?
- ☞ If compressor works more than necessary or never stops;
 - * Door of your refrigerator can be opened frequently or left open for a long time.
 - * Overloading the refrigerator can cause continuous operation of compressor.



IMPORTANT NOTICE

Compressor thermic protector switches at sudden power failures or disconnection of power plug as gas pressure of refrigerating system is not balanced. Device will start normal operation after 4 - 5 minutes. If your refrigerator does not start to work at the end of this period, unplug it, wait for 30 minutes and plug again. If your refrigerator still does not work, **call authorised service**.

GUARANTEE CONDITIONS

If there is no user fault or intervention except authorised service personnel of Portabianco, our products, including all parts, are guaranteed against material, workmanship, montage and production faults;

- 1-) Guarantee period is 2 years starting from the delivery date of good.
- 2-) All of the good, including all parts, are under guarantee of our firm.
- 3-) When the product becomes faulty in guarantee period, repairing period is added to guarantee period. Repairing period is maximum 30 (thirty) business days. This period starts with notification of fault to service station or to vendor, agent, representative, importer or producer if there is no service station. If fault of good cannot be corrected in 15 days, producer or importer has to assign a good with similar features to consumer until repair is completed.
- 4-) The good will be repaired without any charge under as changed part cost or any other title in case it becomes faulty during guarantee period due to material, workmanship or montage errors.
- 5-) Although consumer uses repair right;
 - if the good repeats the same fault more than two times in one year in the guarantee period after delivery date or in case different faults occur more than four

times in this period, or if total of different faults during determined guarantee period is more than six and these faults make non-use of good continuous,

- if the maximum time for repair expires,

- if it is determined by service station, or in case there is no service station, respectively vendor, agent, representative, importer, producer with a report that it is not possible to repair the fault, consumer can demand replacement of good free of charge, return of good's value or price discount in the amount of fault.

5-) Faults which occur due to usage against points given in user guide are out of guarantee scope.

7-) Ministry of Industry and Trade General Directorate for Protection of Consumers and Competition can be applied for problems about Guarantee Certificate. Use of this guarantee certificate is permitted by T.R. Ministry of Industry and Trade based on the Law for Protecting Consumers numbered 4077 and related legislation of this Law .

ATTENTION!!!



Building, plant or place of installation must have wiring appropriate to “ELECTRICAL INTERNAL INSTALLATION” regulation published in the official gazette dated 4/11/2284 and numbered 18565 and all kinds of precautions must be taken in order to provide life and property safety.

Our firm cannot be held responsible in opposite conditions.

AUTHORISED TECHNICAL SERVICE

Yüksel Endüstriyel Ürünler Turizm Yatırımları Sanayi Ticaret A.Ş.

Mahmut Şevket Paşa Mah. Odesa Bulvarı Yüksel Plaza No:8/1 Okmeydanı Şişli - İstanbul

Tel : 0090 212 551 62 67 Pbx.

Fax : 0090 212 551 62 71

CONSIDERATIONS
RELATED WITH GUARANTEE



1. Faults which occur during loading and transportation after delivery to consumer,
2. Faults and damages which occur because of under or over-voltage, lack of grounding, wrong electrical installation which is not carried out by our authorised service, voltage different from the one written on label,
3. Faults and damages related with fire and thunder,
4. Faults which occur because of sudden voltage drop or rise, voltage changes, washing with pressurised water, faulty part or intervention to product, using the product out of declared environmental conditions, being subject to subversive synthetic and chemical materials, change of places, transportation, accident, negligence, use by unqualified people and other usage faults and damages on exterior surface of product after delivery to consumer are repaired against fee. Transportation of product to usage place and montage are not included in product price. Guarantee is only valid for the period given in the other side of this document for faults of product and no other right or compensation can be demanded.

Yüksel Endüstriyel Ürünler Turizm Yatırımları Sanayi Ticaret A.Ş.

Tel: 0090 (212) 551 62 67 (Pbx.)

Fax: 0090 (212) 551 62 71

GUARANTEE CERTIFICATE

REFRIGERATOR UNITS	GUARANTEE CERTIFICATE
DT – 1N70 DT – 2N70 DT – 3N70 DT – 4N70 DT – 1N80 DT – 2N80 DT – 3N80 DT – 4N80 DT – 1D70 DT – 2D70 DT – 3D70 DT – 4D70 DT – 1D80 DT – 2D80 DT – 3D80 DT – 4D80 TT – 2N60 TT – 3N60 TT – 4N60 TT – 2N70 TT – 3N70 TT – 4N70 TT – 2D60 TT – 3D60 TT – 4D60 TT – 2D70 TT – 3D70 TT – 4D70 CA – 2N60 CA – 3N60 CA – 4N60 CA – 2N70 CA – 3N70 CA – 4N70 CA – 2D60 CA – 3D60 CA – 4D60 CA – 2D70 CA – 3D70 CA – 4D70	If there is no user fault or intervention except authorised service personnel of Portabianco, our products, including all parts, are guaranteed against material, workmanship, montage and production faults; 1-) Guarantee period is 2 years starting from the delivery date of good. 2-) All of the good, including all parts, are under guarantee of our firm. 3-) When the product becomes faulty in guarantee period, repairing period is added to guarantee period. Repairing period is maximum 30 (thirty) business days. This period starts with notification of fault to service station or to vendor, agent, representative, importer or producer if there is no service station. If fault of good cannot be corrected in 15 days, producer or importer has to assign a good with similar features to consumer until repair is completed. 4-) The good will be repaired without any charge under as changed part cost or any other title in case it becomes faulty during guarantee period due to material, workmanship or montage errors. 5-) Although consumer uses repair right, if the good; - repeats the same fault more than two times in one year in the guarantee period after delivery date or in case different faults occur more than four times in this period, or if total of different faults during determined guarantee period is more than six and these faults make non-use of good continuous, - if the maximum time for repair expires, - if it is determined by service station, or in case there is no service station, respectively vendor, agent, representative, importer, producer with a report that it is not possible to repair the fault, consumer can demand replacement of good free of charge, return of good's value or price discount in the amount of fault. 5-) Faults which occur due to usage against points given in user guide are out of guarantee scope. 7-) Ministry of Industry and Trade General Directorate for Protection of Consumers and Competition can be applied for problems about Guarantee Certificate. Use of this guarantee certificate is permitted by T.R. Ministry of Industry and Trade based on the Law for Protecting Consumers numbered 4077 and related legislation of this Law . <u>Product's</u> Tax Label and Serial No : Delivery Date and Place : Invoice Date and Number : <u>Vendor's</u> Title : Address : Telephone-Fax : Date : Cachet – Signature : Yüksel Endüstriyel Ürünler Turizm Yatırımları San. Tic. A.Ş. Mahmut Şevket Paşa Mah. Odes Bulvarı Yüksel Plaza No:8/1 Okmeydanı - Şişli / İstanbul Tel: 0090 212 886 34 30 Pbx. Fax: 0090 212 886 86 53 Prepared according to license of Ministry of Industry and Trade with the number 81778 given on 15.04.2010.