

# **INDEX**

<b>GENERAL INSTRUCTIONS ON DELIVERY .....</b>	<b>4</b>
GENERAL WARNINGS .....	4
LIST OF REGULATION REFERENCES .....	4
TRANSPORTATION AND HANDLING .....	4
UNPACKING .....	4
GENERAL SAFETY WARNINGS .....	5
<b>INSTALLATION .....</b>	<b>6</b>
PLATE DATA .....	6
MAX ROOM TEMPERATURE .....	6
POSITIONING .....	7
DIMENSIONS .....	8
WIRING .....	9
CONDENSATE DRAIN .....	9
TESTING .....	9
CONTROL AND SAFETY SYSTEMS .....	10
DISPOSAL .....	10
<b>OPERATION .....</b>	<b>11</b>
GENERAL DESCRIPTION .....	11
SETTING UP .....	11
MACHINE LOADING .....	12
POSITION OF TRAYS .....	12
CORE PROBE .....	12
TEMPERATURES .....	13
LENGTH .....	13
CONTROL PANEL .....	14
POSITIVE SOFT QUICK COOLING KEY .....	14
NEGATIVE QUICK COOLING KEY .....	14
PROGRAMME .....	16
PRE-COOLING CYCLE .....	17
CORE PROBE POSITIVE SOFT QUICK COOLING CYCLE .....	17
CORE PROBE POSITIVE HARD QUICK COOLING CYCLE .....	17
CORE PROBE NEGATIVE SOFT QUICK COOLING CYCLE .....	18
CORE PROBE NEGATIVE HARD QUICK COOLING CYCLE .....	18
TIME-CONTROLLED POSITIVE SOFT QUICK COOLING CYCLE .....	19
TIME-CONTROLLED POSITIVE HARD QUICK COOLING CYCLE .....	19
TIME-CONTROLLED NEGATIVE SOFT QUICK COOLING CYCLE .....	20
TIME-CONTROLLED NEGATIVE HARD QUICK COOLING CYCLE .....	20
DEFROSTING .....	21
ALARMS AND FAULT ANALYSIS .....	21
SIGNALS .....	21
INDICATIONS .....	22
ALARMS .....	23
ERROR CODES (SERVICE) .....	24
<b>MAINTENANCE .....</b>	<b>26</b>
MAINTENANCE AND CLEANING .....	26
CLEANING THE CABINET .....	26

CLEANING THE AIR CONDENSER .....	27
STAINLESS-STEEL MAINTENANCE.....	27
DISCONTINUED USE .....	28
<b>ENERGY CONSUMPTION CHART .....</b>	<b>28</b>
<b>WIRING DIAGRAM PLATE .....</b>	<b>29</b>
<b>EC declaration of conformity .....</b>	<b>32</b>

*Annotate the emergency assistance number of specialised maintenance personnel.*

Name and Surname	Address	Tel./fax no.

# GENERAL INSTRUCTIONS ON DELIVERY

## GENERAL WARNINGS

We assure you have made the best choice in purchasing our products and hope you will be fully satisfied with our their performance. To this purpose, we recommend you strictly comply with the instructions and regulations contained in this handbook..

The user is required to carefully read the manual, always referring to it and conserving it in a known place, accessible to all authorised operators.

The equipment is destined only for the function for which it was designed and, being for professional use, must be used only by qualified personnel.

The manufacturer declines all responsibility and any obligation to warranty if damage occurs to the equipment, persons or things, imputable to incorrect installation, inappropriate use by untrained personnel, non specific modifications or interventions, use of non original or non specific replacement parts, failure to observe, even partially, the indications found in this manual.

Please remember that no reproductions of this handbook are allowed. Due to our constant technological updating and research, the features described in this handbook may be altered without prior notice.

## LIST OF REGULATION REFERENCES

The cooling cabinet we manufacture fully complies with the following European and national regulations:

2006/42 (machine regulations)  
2006/95 (low-voltage regulation)  
2004/108 (EMC regulation)  
97/23 (PED regulation)  
93/68 (new approach regulation)  
2002/95 (RoHS regulation)  
2002/96 (RAEE regulation)  
658/88 CEE  
108/89 CEE  
DPR 327/80 art.31 (Italy)

D.M. 15-06-71 (Italy)  
D.L. n°110 27-01-92 (Italy)  
J.O. 16-07-74 n°74-163 (France)

and the following European regulations:

EN55014-1;EN55104-2  
EN61000-3-2 ; EN61000-3-3  
EN60335-1;EN60335-2-89  
EN378-I-II

## TRASPORTATION AND HANDLING

For transportation and handling, all precautions necessary must be taken in order not to damage the equipment, referring to the indications found on the packaging of the same.

Make sure that the consignment has not been tampered with or damaged during transport.

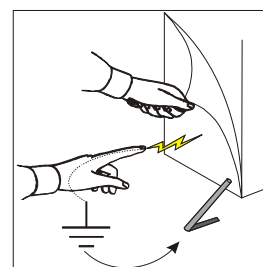
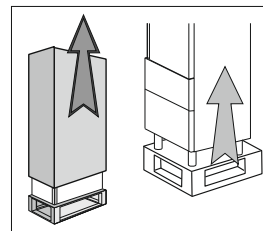
## UNPACKING

Installation must be carried out by authorised and specialised personnel.

After removing the packaging, ensure the integrity of the equipment and verify that all the parts or components are present and that the characteristics and state correspond to the specifications of the your order.

If not, please inform the retailer immediately.

Remove pvc protective film from all over the appliance.



**Attention:** all the packing material must be disposed of in accordance with the prevailing regulations in the country where the equipment is used and in any case must not be dispersed into the environment.

## GENERAL SAFETY WARNINGS

The user is responsible for operations carried out on the equipment which do not comply with the indications in this manual, and periodic training of all personnel authorised to work on the equipment is recommended.

*List of some general warnings:*

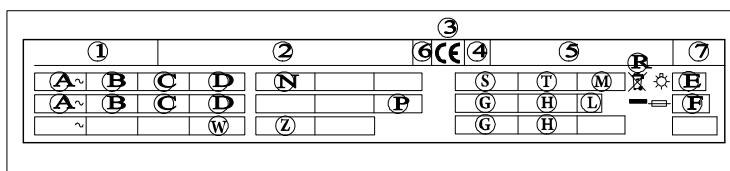
- do not touch the equipment with moist or wet hands or feet
- do not insert screwdrivers or kitchen tools or anything else between the guards and the parts in motion
- before any cleaning or maintenance operation, disconnect the equipment from the electrical mains
- do not pull on the power cord to disconnect the machine from the electrical mains
- during loading/unloading of product in the equipment use kitchen gloves
- use the needle probe to read the temperature at the core of the product, making sure to handle it with care

# INSTALLATION

## PLATE DATA

Make sure the technical wiring specifications comply with the ratings (i.e., V, kW, Hz, no. phases and mains power).

Please quote the product's serial number (shown on the rating plate) on any enquiry to the Manufacturer.



List of rates shown on the rating plate:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1) Model</li> <li>2) Manufacturer's name and address</li> <li>3) CE mark</li> <li>4) Year of make</li> <li>5) Serial number</li> <li>6) Power insulation class</li> <li>7) Electrical device casing protection rating</li> <li>A) Input voltage</li> <li>B) Electric current intensity</li> <li>C) Frequency</li> <li>D) Rated power</li> <li>E) Total lamp power</li> </ul> | <ul style="list-style-type: none"> <li>F) Fuse current</li> <li>G) Coolant type</li> <li>H) Coolant q.ty</li> <li>L) Temperature grade</li> <li>M) Max hydraulic supply pressure</li> <li>N) Room temperature</li> <li>P) Expanding fluid</li> <li>R) WEEE Symbol</li> <li>S) Water inlet temperature a</li> <li>T) Water consumption</li> <li>W) Heating unit power</li> <li>Z) Least pressure</li> </ul> |
|---|--|

## MAX ROOM TEMPERATURE

Air-condenser units should not operate if room temperature is over 38°C. Above 32°C maximum output is not guaranteed.

### Min. air circulation

Model	Air q.ty [m <sup>3</sup> /h]
10 kg	1.100
20 kg	3.500