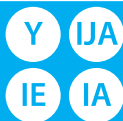


SERVICE





ENERG
енергия · ενεργεια



MASTRO

BNA0213



ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ
ENERGIJA · ENERGY · ENERGIE
ENERGI

398
kWh/annum



270 L



- L



5
40°C-40%

2015/1094-IV

Product fiche

Delegated Regulation (EU) 2015/1094

Supplier name or trademark	MASTRO
Model identifier	BNA0213
Model type	Counter cabinet
Energy Efficiency Class	A
Energy efficiency Index	16,00
Energy Consumption (E24h)	1 090 Wh
Annual Energy Consumption	398 kWh/annum
Compartment #1	
Net Volume	270 Litres
Climate class	5 (40°C - 40%)
This appliance is intended for use in ambient temperatures up to 40 °C.	

Model placed on the Union market from 18/01/2023.



EPREL registration number: 2431764

<https://eprel.ec.europa.eu/qr/2431764>

Supplier: Virtus Group GmbH (Importer)

Website: <https://www.virtusnet.de>

Customer care service:

Name: Virtus Group GmbH

Website: <https://www.virtusnet.de>

Email: info@virtusnet.de

Phone: +49(0)2381-97371-0

Address:

Hüserstr.
59075 Hamm
Germany

ENGLISH

INDEX

MODELS	PAGE 7
1. GENERAL INFORMATION	PAGE 10
1.1 INFORMATION	
1.2 SERVICE CENTRES	
1.3 CERTIFICATION	
1.4 GUARANTEE	
1.5 PREARRANGEMENTS OF CUSTOMER'S RESPONSABILITY	
1.6 STRUCTURE OF THE MANUEL	
1.6.1 AIMS AND CONTENTS	1.6.2
WHO THE MANUEL IS FOR?	1.6.3
CONSERVATION	1.6.4
SYMBOLS USED	
2. DESCRIPTION AND OPERATION OF THE APPLIANCE.	PAGE 11
2.1 DESCRIPTION	
2.2 OPERATION	
3. PREAERRANGEMENTS	PAGE 11
3.1 ILLUMINATION	
3.2 VIBRATION	
3.3 EMISSION OF SOUND	
3.3.1 ELECTRICAL PLUGS	
3.4 ELECTROMAGNETIC ENVIRONMENT	
4. SAFETY	PAGE 12
4.1 GENERAL WARNING	
4.2 FORESEEB USE	
4.3 UNSUITABLE CONDITIONS FOR USE	
4.4 DANGER ZONES	
4.5 SWITCHING OFF THE APPLIANCE	
4.6 PLAQUES	
5. TRANSPORT AND MOVEMENT	PAGE 13
5.1 TRANSPORT AND MOVEMENT	
5.2 STORAGE	
5.3 CHECKS	
6. INSTALLATION	PAGE 14
6.1 SET UP	
6.2 ASSEMBLY	
6.3 CONNECTION	
6.3.1 ELECTRIC	
6.3.2 DRAINAGE CONNECTION	
7. DURING USE OF HUMAN AND ENVIRONMENTAL	PAGE 15
7.1 DISPOSAL INFORMATION	
7.2 COMPLETION OF LIFE	
8. USE OF INFORMATION ON ERROR	PAGE 15
8.1 SAFETY AND WARNING INFORMATION	
8.2 IMPORTANT NOTICE	
9. CONSUMERS MAY MAKE YOUR OWN MAINTENANCE OR REPAIR	PAGE 15
9.1 CLEANING	
9.2 FAILURE	
10. CONNECTION AND INSTALLATION.....	PAGE 16
10.1 INSTALLATION	
10.2 CONNECTION	

11. MANUFACTURER COMPANY INFORMATION	PAGE 17
12. AUTHORIZED SERVICES	PAGE 17
13. ACTIVATION	PAGE 17
13.1 PREPARATION BEFORE ACTIVATION	
13.2 CONNECTION	
13.3 ELECTRICAL	
13.4 DRAINAGE CONNECTION	
14. OPERATION	PAGE 17
14.1 PERSONNEL	
14.2 PRODUCT OPERATION	
14.3 TEMPERATURES	
14.4 PLACING OF FOOD	
14.5 PRESERVATION OF FOOD	
15. ROUTINE MAINTENANCE	PAGE 18
15.1 BASIC SAFETY RULES	
15.1.1 PROHIBITION OF REMOVAL OF PROTECTION AND SAFETY DEVICES	
15.1.2 INDICATIONS FOR EMERGENCY IN THE CASE OF FIRE	
15.1.3 CLEANING OF THE EXTERIOR	
15.1.4 CLEANING OF THE CONDENSER	
15.1.5 PERIODIC CHECKS TO BE CARRIED OUT	
16. NON-ROUTINE MAINTENANCE AND REPAIRS	PAGE 19
17. TROUBLESHOOTING	PAGE 19
18 SPARE PARTS	PAGE 19
18.1 USING ORIGINAL SPARE PARTS	
19. GENERAL INFORMATION.....	PAGE 20
19.1 SCHEME PLACEMENT OF PRODUCT	
19.2 PERIODIC CLEANING OF CONDENSER	
19.3 CLEANING REFRIGERATOR	
20. MAINTENANCE	PAGE 20
21. HANDLING AND TRANSPORTATION	PAGE 20

INDUSTRIAL TYPE REFRIGERATORS

PRESENTATION AND USER'S GUIDE IN ENGLISH MODELS

- *.VN8.-.VERTICAL.TYPE.REFRIGERATOR
- *.VL8.-.VERTICAL.TYPE.FREEZER
- *.VN8-G.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.VL8-G.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.VN7-M.-.VERTICAL.TYPE.REFRIGERATOR
- *.VL7-M.-.VERTICAL.TYPE.FREEZER
- *.VN7-MG.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.VL7-MG.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.VN7-M.-.VERTICAL.TYPE.REFRIGERATOR
- *.VL7-M.-.VERTICAL.TYPE.FREEZER
- *.VN7-MG.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.VL7-MG.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.VN7-G.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.VL7-G.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.VN15.-.DOUBLE.DOOR.VERTICAL.TYPE.REFRIGERATOR
- *.VL15.-.DOUBLE.DOOR.VERTICAL.TYPE.FREEZER
- *.VN15-G.-.DOUBLE.DOOR.VERTICAL.TYPE.REFRIGERATOR
- *.VL15-G.-.DOUBLE.DOOR.VERTICAL.TYPE.FREEZER
- *.VN14-M-G.-.DOUBLE.DOOR.VERTICAL.TYPE.REFRIGERATOR
- *.VL14-M-G.-.DOUBLE.DOOR.VERTICAL.TYPE.FREEZER
- *.VN14-G.-.DOUBLE.DOOR.VERTICAL.TYPE.REFRIGERATOR
- *.VL14-G.-.DOUBLE.DOOR.VERTICAL.TYPE.FREEZER
- *.VN7-P.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VL7-P.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VN14-P.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VL14-P.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VN7-PG.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VL7-PG.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VN14-PG.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VL14-PG.-.VERTICAL.TYPE.40*60.TRAY.REFRIGERATOR
- *.VN7-RO.-.VERTICAL.TYPE.ROLL.IN.REFRIGERATOR
- *.VL7-RO.-.VERTICAL.TYPE.ROLL.IN.FREEZER
- *.VN7-RO/2.-.VERTICAL.TYPE.ROLL.IN.REFRIGERATOR
- *.VN7-RO/2.-.VERTICAL.TYPE.ROLL.IN.FREEZER
- *.VN7-ST.-.VERTICAL.TYPE.REFRIGERATOR.STATIC
- *.VN14-ST.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR.STATIC
- *.CGN2-ST.-.TWO.DOORS.COUNTER.REFRIGERATOR.STATIC
- *.CGN3-ST.-.TREE.DOORS.COUNTER.REFRIGERATOR.STATIC
- *.CGN4-ST.-.FOUR.DOORS.COUNTER.REFRIGERATOR.STATIC
- *.VN7-ST-P.-.VERTICAL.TYPE.REFRIGERATOR.STATIC
- *.VN14-ST-P.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
- STATIC
- *.WN13-G.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.VL13-G.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
- *.GN13-G.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.GL13-G.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
- *.SN13-G.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.SL13-G.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
- *.WN6-G.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.WL6-G.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.GN6-G.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.GL6-G.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.SN6-G.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
- *.SL6-G.-.VERTICAL.TYPE.GLASS.DOOR.FREEZER
- *.VNN7.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR
- *.VNL7.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR
- *.VNN14.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR
- *.VN21.-.THREE.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.VN21/A.-.THREE.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.VN21/B.-.THREE.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.VN21/C.-.THREE.DOORS.VERTICAL.TYPE.REFRIGERATOR
- *.BN5.-.VERTICAL.TYPE.REFRIGERATOR.SNACK.SERIES
- *.BL5.-.VERTICAL.TYPE.FREEZER.SNACK.SERIES
- *.BN4.-.VERTICAL.TYPE.REFRIGERATOR
- *.BL4.-.VERTICAL.TYPE.FREEZER
- *.BF4.-.FISH.REFRIGERATOR
- *.VS4.-.OPEN.PRODUCT.DISPLAY.REFRIGERATOR
- *.VS4-M.-.OPEN.PRODUCT.DISPLAY.REFRIGERATOR
- *.WN1.-.WINE.REFRIGERATOR
- *.WN4.-.WINE.REFRIGERATOR
- *.WA1.-.WINE.REFRIGERATOR
- *.WA4.-.WINE.REFRIGERATOR
- *.CLL2.-.COUNTER.TYPE.FREEZER.HEAVY.DUTY
- *.CLL3.-.COUNTER.TYPE.FREEZER.HEAVY.DUTY
- *.CSN2.-.COUNTER.TYPE.REFRIGERATOR
- *.CGN2.-.COUNTER.TYPE.REFRIGERATOR
- *.CGL2.-.COUNTER.TYPE.FREEZER
- *.CSL2.-.COUNTER.TYPE.FREEZER
- *.CSN3.-.COUNTER.TYPE.REFRIGERATOR
- *.CGN3.-.COUNTER.TYPE.REFRIGERATOR
- *.CSL3.-.COUNTER.TYPE.FREEZER
- *.CGL3.-.COUNTER.TYPE.FREEZER
- *.CSN4.-.COUNTER.TYPE.REFRIGERATOR
- *.CGN4.-.COUNTER.TYPE.REFRIGERATOR
- *.CSL4.-.COUNTER.TYPE.FREEZER
- *.CGL4.-.COUNTER.TYPE.FREEZER
- *.CSNL4.-.COUNTER.TYPE.FREEZER
- *.CGNL4.-.COUNTER.TYPE.FREEZER
- *.CGN2-G.-.COUNTER.TYPE.REFRIGERATOR
- *.CGN3-G.-.COUNTER.TYPE.REFRIGERATOR
- *.CGN4-G.-.COUNTER.TYPE.REFRIGERATOR
- *.CSN2-G.-.COUNTER.TYPE.REFRIGERATOR
- *.CSN3-G.-.COUNTER.TYPE.REFRIGERATOR
- *.CSN4-G.-.COUNTER.TYPE.REFRIGERATOR
- *.KCN2.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
- *.KCN3.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
- *.KCN4.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
- *.CSN2-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CGN2-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CSN3-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CGN3-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CSN4-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CGN4-E.-.COUNTER.TYPE.REFRIGERATOR.W/SINK
- *.CGN2-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CSN2-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CGN3-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CSN3-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CGN4-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CSN4-MT.-.COUNTER.REFRIGERATOR.BAR.SERIES
- *.CGN2-2G.-.COUNTER.REFRIGERATOR.ISLAND.SERIES
- *.CGN3-2G.-.COUNTER.REFRIGERATOR.ISLAND.SERIES
- *.CGN4-2G.-.COUNTER.REFRIGERATOR.ISLAND.SERIES
- *.BGN2-2G.-.COUNTER.REFRIGERATOR.ISLAND.SERIES
- *.BGN3-2G.-.COUNTER.REFRIGERATOR.ISLAND.SERIES

*. VNL14-.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR
 *. VNL14-3T-.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR.
 *. VNL14-4T-.-.VERTICAL.TYPE.COMBINATION.REFRIGERATOR
 *.
 *. USL2-.-.UNDER.COUNTER.FREEZER
 *. UGL2-.-.UNDER.COUNTER.FREEZER
 *. USN3-.-.UNDER.COUNTER.REFRIGERATOR
 *. UGN3-.-.UNDER.COUNTER.REFRIGERATOR
 *. USL3-.-.UNDER.COUNTER.FREEZER
 *. UGL3-.-.UNDER.COUNTER.FREEZER
 *. USN4-.-.UNDER.COUNTER.REFRIGERATOR
 *. UGN4-.-.UNDER.COUNTER.REFRIGERATOR
 *. USL4-.-.UNDER.COUNTER.FREEZER
 *. UGL4-.-.UNDER.COUNTER.FREEZER
 *. MGN2-.-.MAKE.UP.REFRIGERATOR
 *. MGN3-.-.MAKE.UP.REFRIGERATOR
 *. MGN4-.-.MAKE.UP.REFRIGERATOR
 *. MPN2-.-.MAKE.UP.REFRIGERATOR
 *. MPN3-.-.MAKE.UP.REFRIGERATOR
 *. MPN4-.-.MAKE.UP.REFRIGERATOR
 *. MGN2-4G-.-.MAKE.UP.REFRIGERATOR
 *. MGN3-7G-.-.MAKE.UP.REFRIGERATOR
 *. MGN4-9G-.-.MAKE.UP.REFRIGERATOR
 *. MPN2-4G-.-.MAKE.UP.REFRIGERATOR
 *. MPN3-7G-.-.MAKE.UP.REFRIGERATOR
 *. MPN4-9G-.-.MAKE.UP.REFRIGERATOR
 *. CGN2-YM-.-.HIGH.MAKE.UP.REFRIGERATOR
 *. CGN3-YM-.-.HIGH.MAKE.UP.REFRIGERATOR
 *. CGN4-YM-.-.HIGH.MAKE.UP.REFRIGERATOR
 *. CGN2-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN3-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN4-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN2-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN3-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN4-SG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN2-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN3-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN4-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN2-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN3-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN4-SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN2-3SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN3-4SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN4-5SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN2-3SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN3-4SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN4-5SGC-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN2-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN3-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN4-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN2-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN3-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN4-OG-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN2-3G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN3-4G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN4-5G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN2-3G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN3-4G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. BGN4-5G-.-.COUNTER.REFRIGERATOR.SERVICE.SERIES
 *. CGN2-S-.-.COUNTER.SERVICE.REFRIGERATOR./UNITS
 *. CGN3-S-.-.COUNTER.SERVICE.REFRIGERATOR./UNITS
 *. CGN4-S-.-.COUNTER.SERVICE.REFRIGERATOR./UNITS
 *. CGN2-TG-.-.COUNTER.SERVICE.REFRIGERATOR./UNITS
 *. CGN3-TG-.-.COUNTER.SERVICE.REFRIGERATOR./UNITS
 *. BGN4-2G-.-.COUNTER.REFRIGERATOR.ISLAND.SERIES
 *. USN2-.-.UNDER.COUNTER.REFRIGERATOR
 *. UGN2-.-.UNDER.COUNTER.REFRIGERATOR
 *. DSP100-.-.DISPLAY.REFRIGERATOR
 *. DSP140-.-.DISPLAY.REFRIGERATOR
 *. DSP155-.-.DISPLAY.REFRIGERATOR
 *. DSP160-.-.DISPLAY.REFRIGERATOR
 *. DSP180-.-.DISPLAY.REFRIGERATOR
 *. DSP210-.-.DISPLAY.REFRIGERATOR
 *. DSP215-.-.DISPLAY.REFRIGERATOR
 *. PMN155-.-.PIZZA.REFRIGERATOR
 *. BMN155-.-.PIZZA.REFRIGERATOR
 *. PMN210-.-.PIZZA.REFRIGERATOR
 *. BMN210-.-.PIZZA.REFRIGERATOR
 *. PPN2-G-.-.PIZZA.REFRIGERATOR
 *. PPN3-G-.-.PIZZA.REFRIGERATOR
 *. PPL2-G-.-.PIZZA.REFRIGERATOR
 *. PPL3-G-.-.PIZZA.REFRIGERATOR
 *. PPN2-.-.PIZZA.REFRIGERATOR
 *. PPN3-.-.PIZZA.REFRIGERATOR
 *. PPL2-.-.PIZZA.REFRIGERATOR
 *. PPL3-.-.PIZZA.REFRIGERATOR
 *. CSN2-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. CGN2-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. CSN3-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. CGN3-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. CSN4-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. CGN4-R-.-.COUNTER.TYPE.REFRIGERATOR-REMOTE
 *. BB150-.-.BAR.REFRIGERATOR
 *. BB150-SS-.-.BAR.REFRIGERATOR
 *. BB250-.-.BAR.REFRIGERATOR
 *. BB250-SS-.-.BAR.REFRIGERATOR
 *. BB250-SL-.-.BAR.REFRIGERATOR
 *. BB350-.-.BAR.REFRIGERATOR
 *. BB350-SS-.-.BAR.REFRIGERATOR
 *. BB350-SL-.-.BAR.REFRIGERATOR
 *. SS150-.-.BAR.REFRIGERATOR
 *. SS250-.-.BAR.REFRIGERATOR
 *. SS350-.-.BAR.REFRIGERATOR
 *. SS400-.-.UPRIGHT.BAR.REFRIGERATOR
 *. SB400-.-.UPRIGHT.BAR.REFRIGERATOR
 *. SB1-.-.COLD.BANQUET.TROLLEYS
 *. BSN1-.-.SLIM.REFRIGERATOR
 *. BSL1-.-.SLIM.FREEZER
 *. BN7-M-.-.VERTICAL.TYPE.REFRIGERATOR
 *. BL7-M-.-.VERTICAL.TYPE.FREEZER
 *. BL7-MG-.-.VERTICAL.TYPE.GLASS.DOOR.REFRIGERATOR
 *. BN7-.-.VERTICAL.TYPE.REFRIGERATOR
 *. BL7-.-.VERTICAL.TYPE.REFRIGERATOR
 *. BN7- G-.-.GLASS.DOOR.VERTICAL TYPE.REFRIGERATOR
 *. BL7-G-.-.GLASS.DOOR.VERTICAL TYPE.FREEZER
 *. BN14-M-.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
 *. BL14-M-.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
 *. BN14-MG-.-.TWO.DOORS.VERTICAL TYPE.REFRIGERATOR
 *. BL14-MG-.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
 *. BN14-.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
 *. BL14-.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
 *. BN14-G-.-.TWO.DOORS.VERTICAL.TYPE.REFRIGERATOR
 *. BL14-G-.-.TWO.DOORS.VERTICAL.TYPE.FREEZER
 *. BSN2-.-.COUNTER.TYPE.REFRIGERATOR
 *. BGN2-.-.COUNTER.TYPE.REFRIGERATOR
 *. BSL2-.-.COUNTER.TYPE.FREEZER
 *. BGL2-.-.COUNTER.TYPE.FREEZER
 *. BSN3-.-.COUNTER.TYPE.REFRIGERATOR

*.CGN4-TG-.-COUNTER.SERVICE.REFRIGERATOR./UNITS
 *.PZT155-.-PIZZA.REFRIGERATOR
 *.PZT155-D-.-PIZZA.REFRIGERATOR
 *.PZT210-.-PIZZA.REFRIGERATOR
 *.PZT210-D-.-PIZZA.REFRIGERATOR
 *.PZT160-3D-.-PIZZA.REFRIGERATOR
 *.PZT215-3D-.-PIZZA.REFRIGERATOR
 *.BGL4-.-COUNTER.TYPE.FREEZER
 *.VN9-V-.-ONE.DOOR.VERTICAL.REFRIGERATOR
 *.VL9-V-.-ONE.DOOR.VERTICAL.FREEZER
 *.BN9-V-.-ONE.DOOR.VERTICAL.REFRIGERATOR
 *.BL9-V-.-ONE.DOOR.VERTICAL.FREEZER *.
 VN9-VG-.-GLASS.DOOR.VERTICAL.REFRIGERATOR
 *.VL9-VG-.-GLASS.DOOR.VERTICAL.FREEZER
 *.BN9-VG-.-GLASS.DOOR.VERTICAL.REFRIGERATOR
 *.BL9-VG-.-GLASS.DOOR.VERTICAL.FREEZER
 *.VN10-V-.-ONE.DOOR.VERTICAL.REFRIGERATOR
 *.VL10-V-.-VERTICAL.REFRIGERATOR-ICE.CREAM.STORAGE
 *.BN10-V-.-ONE.DOOR.VERTICAL.REFRIGERATOR
 *.BL10-V-.-VERTICAL.REFRIGERATOR-ICE.CREAM.STORAGE
 *.VN9-VG-.-GLASS.DOOR.VERTICAL.REFRIGERATOR
 *.VL9-VG-.-GLASS.DOOR.VERTICAL.FREEZER
 *.BN9-VG-.-GLASS.DOOR.VERTICAL.REFRIGERATOR
 *.BL9-VG-.-GLASS.DOOR.VERTICAL.FREEZER *.
 VN18-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR
 *.VL18-V-.-TWO.DOORS.VERTICAL.FREEZER *.
 BN18-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR
 *.BL18-V-.-TWO.DOORS.VERTICAL.FREEZER
 *.VN18-VG-.-TWO.DOORS.VERTICAL.REFRIGERATOR-GLASS
 DOORS
 *.VL18-VG-.-TWO.DOORS.VERTICAL.FREEZER-GLASS.DOORS
 *.BN18-VG-.-TWO.DOORS.VERTICAL.REFRIGERATOR-GLASS
 DOORS
 *.BL18-VG-.-TWO.DOORS.VERTICAL.FREEZER-GLASS.DOORS
 *.VN20-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR
 *.VL20-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR-ICE
 CREAM STORAGE
 *.BN20-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR
 *.BL20-V-.-TWO.DOORS.VERTICAL.REFRIGERATOR-ICE
 CREAM STORAGE
 *.VNN18-V-.-TWO.DOORS.COMBINATION.REFRIGERATOR
 *.VNL18-V-.-TWO.DOORS.COMBINATION.REFRIGERATOR
 *.VLL18-V-.-TWO.DOORS.COMBINATION.REFRIGERATOR
 *.DR13-G-.-TWO.DOORS.DRY.AGED.REFRIGERATOR
 *.DR6-G-.-ONE.DOOR.DRY.AGED.REFRIGERATOR
 *.CGN2-VP-.-TWO.DOORS.COUNTER.TYPE.REFRIGERATOR-
 POLYTHENE TOP
 *.CGN3-VP-.-THREE.DOORS.COUNTER.TYPE.REFRIGERATOR-
 POLYTHENE TOP
 *.CGN4-VP-.-FOUR.DOORS.COUNTER.TYPE.REFRIGERATOR-
 POLYTHENE TOP
 *.CGN2-VM-.-TWO.DOORS.COUNTER.TYPE.REFRIGERATOR-
 MARBLE TOP
 *.CGN3-VM-.-THREE.DOORS.COUNTER.TYPE.REFRIGERA-
 TOR-MARBLE TOP
 *.CGN4-VM-.-FOUR.DOORS.COUNTER.TYPE.REFRIGERATOR-
 MARBLE TOP
 *.SB300-.-BAR.REFRIGERATOR
 *.SS300-.-BAR.REFRIGERATOR

*.BGN3-.-COUNTER.TYPE.REFRIGERATOR
 *.BSL3-.-COUNTER.TYPE.FREEZER
 *.BGL3-.-COUNTER.TYPE.FREEZER
 *.BSN4-.-COUNTER.TYPE.REFRIGERATOR
 *.BGN4-.-COUNTER.TYPE.REFRIGERATOR
 *.BSL4-.-COUNTER.TYPE.FREEZER
 *.MB-150 – MODULAR BAR REFRIGERATOR
 *.MB-250 – MODULAR BAR REFRIGERATOR
 *.MB-350 – MODULAR BAR REFRIGERATOR
 *.MB-100-T – MODULAR BAR REFRIGERATOR
 *.MS-150 – MODULAR BAR REFRIGERATOR
 *.MS-250 – MODULAR BAR REFRIGERATOR
 *.MS-350 – MODULAR BAR REFRIGERATOR
 *.MS-100-T – MODULAR BAR REFRIGERATOR
 *.BBN1 – KEG REFRIGERATOR
 *.BBN2 – KEG REFRIGERATOR
 *.BBN3 – KEG REFRIGERATOR
 *.BBN4 – KEG REFRIGERATOR
 *.KSN2 – COUNTER TYPE REFRIGERATOR
 *.KSN3 – COUNTER TYPE REFRIGERATOR
 *.KSN4 – COUNTER TYPE REFRIGERATOR
 *.KSN2-K – COUNTER TYPE REFRIGERATOR COFFEE DRAWERS INCLUDED
 *.KSN3-K – COUNTER TYPE REFRIGERATOR COFFEE DRAWERS INCLUDED
 *.KSN4-K – COUNTER TYPE REFRIGERATOR COFFEE DRAWERS INCLUDED
 *.MGA2 – COUNTER TYPE REFRIGERATOR – MAKE UP
 *.KMN2 – PREP TABLE
 *.SSN1 – KEG COOLER
 *.SSN2 – KEG COOLER
 *.SSN3 – KEG COOLER
 *.SSN4 – KEG COOLER
 *.ST150 – BAR REFRIGERATOR
 *.ST250 – BAR REFRIGERATOR
 *.ST350 – BAR REFRIGERATOR
 *.BN6-K – BLOOD REFRIGERATOR
 *.BN14-K – BLOOD REFRIGERATOR
 *.MN10 – DRUG AND VACCINE REFRIGERATOR
 *.ML10 – DRUG AND VACCINE REFRIGERATOR
 *.MN20 – DRUG AND VACCINE REFRIGERATOR
 *.ML20 – DRUG AND VACCINE REFRIGERATOR
 *.MN4 – MEDICAL REFRIGERATOR
 *.MN4-G – MEDICAL REFRIGERATOR-GLASS DOOR
 *.MSN1 – MEDICAL REFRIGERATOR
 *.MSL1 – MEDICAL REFRIGERATOR
 *.MSN1-G – MEDICAL REFRIGERATOR-GLASS DOOR

1. GENERAL INFORMATION 1.1. MANUFACTURER As the company boasts considerable experience in the field of industrial refrigeration. The technological know-how acquired, created during years of research and close contact with the production and marketing at an international level, represent the best guarantee that the manufacturer can offer.

This equipment has been studied inside, externally and in its components, according to the requirements specified by your market. Furthermore every aspect has been checked for functioning and for appearance before being despatched, as shown documentation.

To guarantee the long life of this product, use it according to the suggestions made in this manual.

1.2 SERVICE CENTRES

(Sales, Service, Spare parts and Commercial Representation)



For any requirement pertaining to use, maintenance or the request for spare parts, the Customer should use an authorised Service Centre (directly care of the manufacturer), specifying the identification details of the equipment shown on the plaques.

1.3 CERTIFICATION

The Condensed air Refrigerator Cupboards and Tables and Refrigerator Units are produced in accordance with the European Community Regulations applicable at this time of its appearance on the market.

Because the refrigerator cupboard and the table do not come into the scope of the REGULATION 98/37/CEE, the manufacturer provides self-certification with the CE marking.

1.4 GUARANTEE

The new equipment is covered by a guarantee.

The GUARANTEE CERTIFICATE is included with this booklet inside every product. If this booklet is not present you can ask your supplier for it, specifying:

- The serial number (stamped on the relevant plaque, see paragraph 4.6)
- The date of purchase

1.5 PREARRANGEMENTS OF CUSTOMER'S RESPONSIBILITY

It is the Customer's responsibility to carry out everything specified in the documentation. Unless different prior arrangements have been made, the following are usually the Customer's responsibility.

- Predisposition of the area, including any building work and/or canalisation required
- Electric power supply in accordance with the power regulations in the country of use
- Cleaning materials

1.6 STRUCTURE OF THE MANUAL

The Customer must read the information contained in this Manual very carefully, because the correct predisposition, installation and use are the basis of the Customer-Manufacturer agreement.

1.6.1 AIMS AND CONTENTS

This Manual aims to provide the customer with all the information necessary for not only adequate use of the equipment, but also for the safest and most autonomous use possible. It contains information regarding Technical Aspects, Operation, Stopping, Maintenance, Spare Parts and Safety.

Before carrying out any operation on the equipment, the User and the Qualified Technicians must carefully read the instructions, call the Retailer for clarification.

1.6.2 WHO THE MANUAL IS FOR?

The manual is aimed at the both Retailers and users and also to maintenance workers qualified to carry out work on the equipment.

The user must not carry out work reserved for qualified maintenance workers and/or technicians. The Manufacturer is not responsible for any damage caused by lack of respect for this last regulation.

1.6.3 SAFEKEEPING

The Manual for Use and Maintenance must be kept in the immediate vicinity of the equipment, in an appropriate holder and, above all, protected from liquids and other substances that could make it illegible.

1.6.4 SYMBOLS USED

SYMBOL	MEANING	COMMENT
	WARNING	Indicates a warning or a note on a key function or useful information. Pay great attention to text indicated by this
	CONSULTATION	It is necessary to consult the Instruction Booklet before carrying out the operation

2. DESCRIPTION AND OPERATION OF THE APPLIANCE

2.1 DESCRIPTION

The upright refrigerators are condensed air refrigerator units made up of:

- A.condensing.unit.(outside.cold.storage.room)
- A.evaporating.unit.(inside.cold.storage.room)
- A.control.panel.(positioned.on.the.condensing.unit)
- Defrosting.is.of.the.electric.type.and.it.is.automatic
- Condensation.is.air.based

2.2 OPERATION

The upright refrigerators are refrigerator units which function by means of refrigerator compressor of the airtight type. With air tight motion and alternative motion, powered by electricity (mono phase or three phase) and using as a refrigerant the fluid.R404A/R134A.

Principle of refrigerator operation cycle

In thermodynamics for the refrigerator cycle we intend the change of state which a certain body undergoes (for example a refrigerating fluid). The passage of the refrigerating fluid from the liquid state to the gaseous state takes place in the evaporator. Because this is an endothermic phenomenon, it needs heat which, when it happens, is taken from the air which the evaporator comes into contact with. So, when coming out of the evaporator, the vapours of the refrigerating fluid are sucked out by an air compressor and sent to the condenser. If the latter takes away not only the heat that the gaseous refrigerating fluid has acquired during the course of the evaporation (ENTALPIA DI EVAPARATION), but also the calorific equivalent of the compression work, then the fluid returns to the liquid state. Because liquefaction is an exothermic phenomenon, there is production of heat, which is disposed of through air and through water. The refrigerant fluid, leaving the condenser, passes through an expansion organ and returns to the evaporator, thus completing the cycle.

3. PREARRANGEMENTS

3.1 ILLUMINATION

The illumination of the area must conform with the POWER regulations of the country in which the equipment is installed and must, in any case, guarantee good visibility at all points, it must not create dangerous reflections and must allow for easy reading of the controls.

3.2 VIBRATIONS

In conditions of use which comply with the indications for correct use, the vibrations are not enough to create dangerous situations.

3.3 EMISSION OF SOUND

The refrigerator unit is designed to reduce the level of noise at source (see attached 13.2.2)

3.3.1 SUPPLIES ON REQUEST

It.is.to.be.understood.that.any.modification.and/or.addition.of.accessories.must.be.explicitly.approved.of.and.carried.out.by.the.Manufacturer.

SYMBOL	MEANING	COMMENT
	WARNING	Any.alteration.or.modification.of.the.fridge.made.by.the.operator.and/or.service operator is forbidden for security reasons. The manufacturer decline any responsibility for unauthorized modifications

3.4 ELECTROMAGNETIC ENVIRONMENT

The refrigerator is designed to function correctly in an industrial electromagnetic environment, coming within the Emissions and Immunities foreseen by the following regulations:

(2006/95/EC) of 12 December 2006 Low Voltage Directive and (2004/108/EC)

EN 61000-6-4:2001 Electromagnetic compatibility. EN 61000-6-2:1999, IEC 61000-6-2:1999 General regulation for immunity Industrial Environments

4. SAFETY

4.1 GENERAL WARNING

 The user must read very carefully the information given in this Manual, with particular attention to the appropriate precautions for Safety listed in this chapter.

It is imperative that the User follows the list below:

- Keep the refrigerator clean and tidy;
- Do not remove or alter the plaques placed by the Manufacturer (see 4.6);
- Do not remove or bypass the safety systems;
- Do not touch the equipment with damp or wet hands or feet;
- Do not touch the equipment with bare feet;
- Do not insert screwdrivers or anything else between the protective cover and the moving parts;
- Do not pull the power cable to disconnect the appliance from the power supply;
- Before carrying out any cleaning or maintenance operation, disconnect the appliance from the electric power supply, first switching off the main switch and then removing the plug.

4.2 FORESEEN USE

The upright and/or table refrigerator has been conceived and built to be used in communities, restaurants, hotels etc.

4.3 UNSUITABLE CONDITIONS FOR USE

 The upright and/or table refrigerator must not be used:

- For purposes which differ from those shown in 4.2;
- In an explosive, aggressive atmosphere or where there is a high concentration of oily substances or powders suspended in the air;
- In the atmosphere with a fire risk;
- Exposed to bad weather;
- With adapters, multiple sockets or extension leads.

4.4 DANGER ZONE

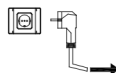
 There are no danger zones during use because the upright and/or table refrigerator has all the necessary safety devices. If repairs or maintenance have to be carried out requiring the removal of the safety devices, it is necessary first to make sure that all power sources have been switched off. For this reason in the upright and/or table refrigerator it is necessary to deactivate the electric plant, putting the main switch off and pulling out the plug. At the end of any work, it is absolutely imperative that all safety devices are re-activated.

4.5 SWITCHING OFF THE APPLIANCE

For switching off the fridge or table, is necessary to proceed as follow:

- Turn the main switch on/off position
- Remove power cable

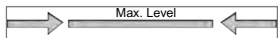
WARNING: If the power cable is damaged, only manufacturer, service or a trained person can change the cable.



4.6 PLAQUES



WARNING : IF DAMAGED POWER CABLE , POWER CABLE CAN CHANGE ONLY AUTHORIZED SERVICE OR TRAINED PERSON .

PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE A
	Remove the tension before removing the protection.
PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE B
	Earth connection.
PLAQUE REGARDING THE ELECTRICAL APPARATUS	PLAQUE C
	Warning! The Manufacturer and the retailer decline all responsibility if the power line is not protected by high sensitivity magnetothermic switch (IN-16-A ID-30 mA)
PLAQUE INSIDE REFRIGERATOR	PLAQUE D
	Max. High Load

5. TRANSPORT AND MOVEMENT

READ CAREFULLY THE WARNINGS CONTAINED IN THIS MANUAL AS THEY SUPPLY IMPORTANT INFORMATION REGARDING THE SAFETY OF INSTALLATION, USE AND MAINTENANCE. KEEP THIS MANUAL SAFE FOR FURTHER CONSULTATION.

5.1 TRANSPORT AND MOVEMENT

The transport and movement of the upright and/or table refrigerators must take place in the upright position, respecting any indications shown on the packaging.

Transport must be carried out by qualified staff.

The upright and/or table refrigerators must be transported in such a way as to avoid any damage.

The appliance is prepared for transport with or without packaging depending on the means of transport and the route. If packaging, it is cardboard or wood, adequately protected.

Movement must be carried out using a lift truck or trans-pallets with suitable forks (length at least 2/3 of the dimensions of the object).

SYMBOL	MEANING	COMMENT
	WARNING	Damage to the appliance caused during transport and movement is not covered by the GUARANTEE. Repairs or substitution of damaged parts is at the Customer's expense.

5.2 STORAGE

In the case of long periods of inactivity, the upright and/or table refrigerators must be stored with attention to relevant storage place and time:

- Store the upright and/or table refrigerator in an enclosed area;
- Protect upright and/or table refrigerator from bumps or stress;
- Protect upright and/or table refrigerator from high thermal variation;
- Avoid upright and/or table refrigerator coming into contact with corrosive substances.

5.3 CHECKS

Before putting upright and/or table refrigerator into operation, it is necessary to carry out a series of checks to prevent errors or accidents during the activating phase:

- Check that there has not been any damage to the upright and/or table refrigerator during assembly.
- Check with care the integrity of the control panel, the electric cable and the tubes.
- Check the precise connection to external energy supply.
- Check the free movement and rotation of any moving parts.

6. INSTALLATION



For an optimum functioning of the unit it is advisable to place the refrigerator in a zone with a good exchange of air and far away from any sources of heat.

6.1 SETUP

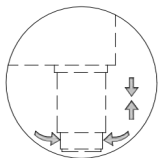


Figure 1

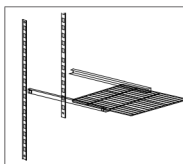


Figure 2

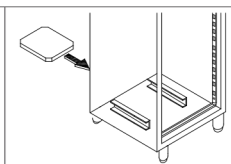


Figure 3

- Carefully remove the packaging from the refrigerator;
- Remove the white PVC protection film from the stainless steel and all the protection used by the company to reduce the risk of damage during transport;
- Place the refrigerator on a flat level surface (use the adjustable feet) (Fig. 1)

Before use, clean the refrigerator with a clean, soft cloth or using a spray product. It is best use little water as it contains minerals which leave traces which are difficult to remove quickly;

- Wash the tray and all the internal parts using anti-bacterial detergents to be found commercially;
- Remove the detergent with a soft sponge soaked in water and dry with a clean soft cloth;

Do not use abrasive detergents or powders which could make the finish opaque. During these phases do not, as already stated, use great quantities of water which could damage electric parts; a damp sponge is sufficient.

- Place the self support inside the refrigerator, in the most suitable position for use, inserting each support in the holes on the base of the refrigerator and inserting the side tab in the appropriate place on the sides or on the table supports. (Fig. 2)
- Slide the shelf into the supports as shown in. (Fig. 2)
- Slide into the appropriate runners, on the lower part of the refrigerator, the condensation waste tray and for appliances which have automatic trays, connect the connector. (Fig. 3)

6.2 PREARRANGEMENTS

- Check that the cables and the sockets are suitable for the power absorbed by the equipment.

THE USE OF ADAPTORS, MULTIPLE SOCKETS AND/OR EXTENSION LEADS IS FORBIDDEN.

- Ensure that the upright and/or table refrigerator is not installed near to sources of heat like: ovens, radiators, direct sunlight etc.
- Leave a space of at least 75 mm. (3 inches) between the back of the upright and/or table refrigerator and any wall, to avoid the formation of condensation.
- The motor must be free of any obstacle which could hinder or limit the circulation through the condensing unit situated on the top side part of the refrigerator.
- The distance between the refrigerator and the ceiling must be less 50 cm. (19 3/4 inches).
- Check that the environment has a sufficient change of air, in order to guarantee the cooling of the condenser and the compressor unit.
- For a perfect functioning of the equipment, the maximum temperature of the environment should not exceed +43°C. (109 °F), except for static models which should not exceed +32°C. (+95°F).

Lack of respect for these conditions will provoke a serious decline in the functioning of the equipment, early ageing of the compressor and a much higher consumption of energy than normal.

6.3 CONNECTION

To avoid any kind of problem when upright and/or tables are switched on, it is good to attend to the instruction as follow

6.3.1 ELECTRICAL

The electrical connection of the upright and/or table refrigerator is the Customer's responsibility. The connection to the power supply must respect the power supply laws in the country in which the equipment is installed (see plaque A)

- Check that the tension of the power supply is exactly that shown on the plaque. (see plaque A)
- Check that the socket conforms to power regulations.
- Pay particular attention that there are no uncovered wires.
- Check the earth.



THE EARTH CONNECTION IS A LEGAL SAFETY REQUIREMENT.

If more than one piece of equipment is placed in line, each one must have an independent power supply.

6.3.2 HYDRAULICS

If the model does not include a condenser unit, it is necessary to connect it to a drainage system for the discharge of water from defrosting using a suitable tube of appropriate dimensions.

Locks: all the upright refrigerators are predisposed for the installation of locks, even those models which do not include them.

7. DURING USE OF HUMAN AND ENVIRONMENTAL

7.1 Correct Disposal of This Product (Waste Electrical & Electronic Equipment)



(Applicable in the European Union and other European countries with separate collection system)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material sources.

This product should not be mixed with other commercial wastes for disposal and shall be returned to a waste collection centre.

7.2 EQUIPMENT THAT COMPLETED OF LIFE

- Presently contains valuable materials and should be taken to different facilities of separated waste in residential areas.
- Make of unusable equipment that completed of life. Unplug, disconnect the cable.
- Careful not to damage the refrigerant circuit until delivered to the designated collection center.
- Information contained in the coolant can be found on the type plate.
- You can take information from your municipality about collection places.

8. USE OF INFORMATION ON ERROR

8.1 SAFETY AND WARNING INFORMATION

- Avoid damage to the touch human and belongings, we recommend that device installed by two people removed from the packaging.
- In the event of any malfunction in the device, immediately (before connecting the device) consult the dealer.
- To work in a safe manner, mount and connect appliance according with the instructions contained in the user guide.
- Disconnect the power supply in case of failure of the device, Unplug or turn off the breaker or remove.
- Disconnect the device from the mains to not on the cable, grasp the power plug.
- Any repairs and work on the device should be done by the customer service, otherwise there can be major hazards for the user. The same is true for changing power cord.
- Do not operate something with an open fire and ignition sources inside the device. Keep away from sources of ignition in case of damage and the room well ventilated.
- Do not use the base to withstand, drawers or doors.
- Do not eat ice cream, frozen water or ice cubes and very cold from the fridge as you uninstall. Has a "burn hazard" due to the low temperature.
- Do not use the food stored for too long, it may cause food poisoning.
- Do not keep in the device, explosive substances or propane, butane, pentane containing flammable materials such as spray cans.
- Do not use electrical appliances inside the appliance.
- In a lockable models, do not put key near device and reach of children.

This manual is valid for multiple models, may deviate from the values given here.

IMPORTANT NOTICE!

Before commissioning the appliance defrost water drain plug provided with the appliance and close the hole in the bottom of the device! Important for regular work.

9. CONSUMERS MAY MAKE YOUR OWN MAINTENANCE OR REPAIR

9.1 CLEANING

Before cleaning disable the device. Unplug or turn off the breaker located in the installation.

Internal partitions, hardware parts and outer walls clean with warm water and a little detergent. Never use sand, cleaners containing acids and chemicals.

Do not operate steam cleaning appliances!

Damage and injury.

- Cleaning water should not enter electrical components and ventilation grille.
- Dry everything thoroughly with a soft cloth.

Import and export air grill should be cleaned regularly with a brush machine. Accumulation of dust increases the energy consumption. Be careful not to damage the cables and other components.

9.2 FAILURE

The following errors, you can fix yourself by checking the possible causes.

The device does not work, check lamp does not light up:

- Check.mains.plug.is.properly.plugged.into.the.power.outlet.
- Check.whether.the.socket.fuse.intact.

Too much noise, do the following checks

- The.appliance.should.stand.firm.on.the.ground
- Cold.circuit.current.in.the.prevention.of.noise-other.note.of.it.

The temperature is not low enough, you perform the following checks

- Adjustment."Set.Temperature".value.in.accordance.with.section.set?
- Excessive.amounts.of.fresh.food.have.been.placed.on.24-hour.watch.the.gauge.
- Established.as.a.separate.thermometer.shows.me.the.correct.value?
- Outward.flow.of.air.eligible?
- The.installation.location.is.too.close.to.a.heat.source?

If none of the above causes mentioned, if you cannot resolve the fault yourself, please contact your nearest customer service. Please type in the tag type of device, the device number. Devices on the label located on the upper side wall of the cabinet.

10. CONNECTION AND INSTALLATION

10.1 INSTALLATION

- Stay.away.from.exposed.to.direct.sunlight,over.oven,,heating.and.like.installation.places.
- The.installation.site.must.be.flat.and.level.ground.
- Keep.a.sufficient.distance.from.the.wall.for.opening.and.closing.the.cover.hassle.of.device.
- Do.not.close.the.space.between.bottom.freezer.and.ground..It.is.important.for.the.compressor.to.provide.cooling.air.

10.2 CONNECTION

- Current.type.at.the.installation.site.(alternative.current).and.voltage,,should.be.the.same.as.stated.on.the.label.Progress.. Model label in the core, on the left, is located next to vegetable eyes. Wall plug should be protected by a fuse or 10 A, must be in an easily accessible place.

11. MANUFACTURER COMPANY INFORMATION

12. AUTHORIZED SERVICES INFORMATION

13. ACTIVATION 13.1 PREPARATION

BEFORE ACTIVATION - -

- Make.sure.the.cables.and.electric.power.that.connecting.to.product.provide.the.necessary.electrical.power.
- Make.sure.Counter.type.and.Vertical.type.refrigerator.is.placed.away.from.heat.sources..Such.as.furnaces.,radiators.,direct.sunlight.
- Leave.space.at.least.75.mm.(3.inch).at.the.back.of.the.refrigerator..This.is.important.for.condensation.
- Cooling.unit.should.be.away.from.strong.air.flow.obstructions,should.be.a.place.where.comfortable.and.breathable...
- With.the.upper.body.of.refrigerator.and.attic.must.be.min.50.cm.(9.inch).space.

Should.be.maximum.ambient.temperature.of.+43.°C.(+109.°F).for.products.in.order.to.work.correctly..It.can.be.highest.ambient.temperature.+32.°C.(+95.°F).where.using.static.cooling.system.products.

Failure to comply with the above conditions, operating performance of the product will be serious decline, premature wear of the compressor and also consumes more energy than usual.

13.2 CONNECTION

Please follow the instructions listed below before running Frenoks Endüstriyel Soğutma Sanayi ve Ticaret A.Ş products.

13.3 ELECTRICAL

Making.horizontal.and.vertical.electrical.connections.is.under.user's.responsibility..Check.that.the.electrical.connections. according.to.the.rules.of.electrical.connection.the.country.

- Check.even.voltage.be. sure.that.the.same.written.on.the.label.
- Check.electrical.outlet.that.according.to.electrical.power.rules.
- Check.whether.Exposed.cable.
- Check.the.grounding.

USE OF DEVICE IS DANGEROUS AND ILLEGAL WITHOUT GROUNDING.

If you are connected multiple products to the same source, there should be a separate electrical outlet each other.

13.4 DRAINAGE CONNECTION

If you do not have evaporator in your product, it must be connected for the water drainage hose for removal of water out.

14. OPERATION

14.1 PERSONAL

The staff who are to use and installed the appliance, must possess (or acquire through adequate formation and training) the following skills and must understand the contents of this manual and all the relevant Safety Information:

- General.technical.knowledge.enough.to.understand.the.contents.of.the.Manual.
- Awareness.of.the.main.hygiene.,accident.prevention.and.technological.regulations.

14.2 PUTTING INTO OPERATIONS

If the equipment has been mistakenly positioned horizontally during transport, wait about 2 hours, after putting it into a vertical position, before it into operation.

14.3 TEMPERATURE REGULATION

The choice of temperature must take into consideration:

- The type of product which is going to be kept in the cold storage room;
- The temperature of the environment;
- The frequency of opening;

It is to be remembered that:

- Negative refrigerators ($-10^{\circ}\text{C}/-25^{\circ}\text{C}$) ($14^{\circ}\text{F}/32^{\circ}\text{F}$) are suitable for the conservation of frozen products for long periods of time and for the freezing of small quantities of fresh foodstuffs of small dimensions.

In any case, before loading the equipment, it is necessary to wait until the cold storage room have reached the correct temperature, checking it on its thermometer. If there are any brief interruptions to the electricity supply, it is probable that the compressor might start with some delay; this is perfectly normal.

14.4 STORAGE OF FOOD

In order to obtain the best possible working of the refrigerator, it is necessary to respect the following indications:

- Do not put hot foods or uncovered liquids into the cold storage room;
- Wrap up or cover all foods, especially those with strong aromas or cream;
- Organise the foodstuffs inside the cold storage room in such a way as not to block the circulation of air with superfluous objects;
- Avoid to keep open the door for long periods of time;
- Wait a few moments before opening a door which has just been closed.

15. ROUTINE MAINTENANCE

The information contained in this chapter is aimed at the Use (non specialised person) and at the Ordinary Maintenance Staff.

15.1. ELEMENTARY SAFETY REGULATIONS

15.1.1 PROHIBITION OF REMOVAL SAFETY DEVICES

The removal of safety protection is absolutely forbidden for the carrying out of ordinary maintenance work. The Manufacturer decline any responsibility for any accident caused by the lack or respect for the above written regulation

15.1.2 INDICATION ON EMERGENCY OPERATIONS IN CASE OF FIRE

- Remove the plug from the socket or switch off at the mains;
- Do not use water jets;
- Use powder or foam extinguishers.

15.1.3 CLEANING OF THE EXTERNAL PARTS

The following are indicated for this purpose;

- Cleaning products: water and neutral non-abrasive detergents. (DO NOT USE SOLVENTS);
- Cleaning methods: wash with a cloth or a sponge;

Frequency: weekly

15.1.4 CLEANING OF THE CONDENSER

The efficiency of the condenser unit is compromised by the blocking of the condenser which makes it necessary to clean in weekly. Before carrying out this operation, switch off the appliance, remove the power cable and proceed as follows:

- With the use of an air jet or dry brush with rigid bristles, eliminate, with a vertical movement, (as shown in Fig. 6), the dust and down from the wings.

In the case of oily deposits, use a brush soaked in spirit or similar product. When the operation is finished, start the appliance up in the normal way.

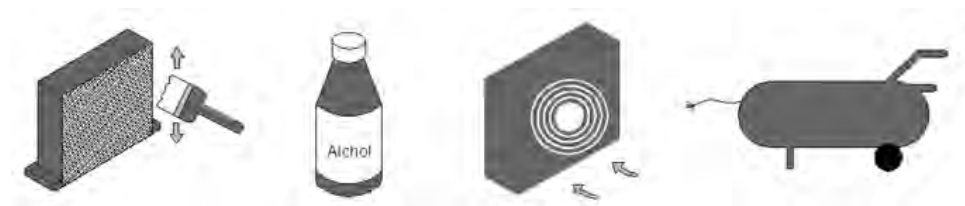


Figure 6 Cleaning of the Condenser

15.1.5 PERIODIC CHECKS TO BE CARRIED OUT

It is necessary to check periodically that the electric cables and the electric parts are undamaged.

16. NON ROUTINE MAINTENANCE AND REPAIRS

Non routine maintenance and repairs must be carried out by qualified personnel authorised by the manufacturer. The manufacturer declines any responsibility for jobs carried out by unauthorised personnel or the use of non-original spare parts.

17. TROUBLESHOOTING

The following table shows the most frequent problems, possible causes and remedies.

PROBLEM DESCRIPTION	POSSIBLE CAUSE	SOLUTION
The appliance does not come on	The main switch is "off" There is no tension Other	Main switch "on" Check plug, socket, fuse, electric connection Contact technical assistance
The refrigerator unit does not start	Set temperature is reached Defrosting is in operation Control panel is broken Other	Set new temperature Wait for end of cycle, switch off and switch back on Contact technical assistance Contact technical assistance
The refrigerator is continuously working but does not reach the set temperature	Room is too hot Condenser is dirty Refrigerator fluid is insufficient Condenser fan has stopped Door not properly closed Evaporator is frosted up Defrost valve is open	Air better Clean condenser Contact technical assistance Contact technical assistance Check door seals Manual defrosting Contact technical assistance
Refrigerator does not stop at set temperature	Control panel is broken Temperature probe is broken Door is not airtight	Contact technical assistance Contact technical assistance Close door
Ice blocks on evaporator	Improper use Control panel is broken	Contact technical assistance Contact technical assistance
Pool of water or ice in drip tray	Blocked Appliance not levelled	Clean drain and discharge Contact technical assistance
Appliance is noisy	Appliance not levelled Contact with external bodies Screws or nuts loose Other	Check that appliance is level Check that no tube or ventilator fan is in contact with external bodies Tighten Contact technical assistance

IN ORDER TO GUARANTEE THE EFFICIENCY OF THE APPLIANCE AND ITS CORRECT FUNCTIONING THE MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED AND PERIODIC SERVICING MUST BE CARRIED OUT BY PROFESSIONALLY QUALIFIED PERSONNEL. (LEGAL REQUIREMENT FOR THE PREVENTION OF ACCIDENTS AT WORK AND THE INSTALLATION OF ELECTRICAL APPLIANCES) IT IS OBLIGATORY TO BE IN ACCORDANCE WITH POWER SUPPLY REGULATIONS.

THE EFFICIENCY IS KEPT BY OBSERVING THE INSTRUCTIONS ABOUT THE FOOD STORAGE DESCRIBED IN PARAGRAPH 14.4 AND THE ROUTINE MAINTENANCE DESCRIBED IN PARAGRAPH 15.

18. SPARE PARTS

18.1 SUPPLY OF ORIGINAL SPARE PARTS

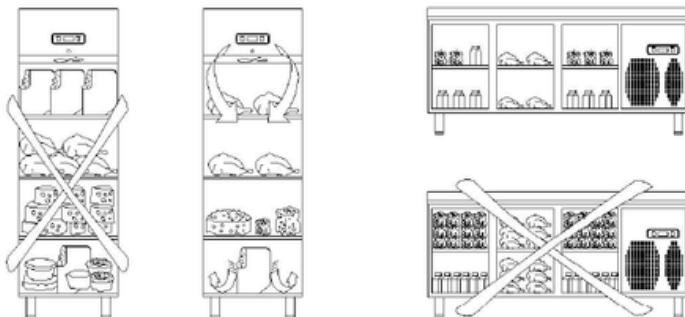
For the substitution of any parts, spares can be obtained at our authorized centres, on giving

- Serial number and year of manufacture. (see plaque A)
- Component identification number

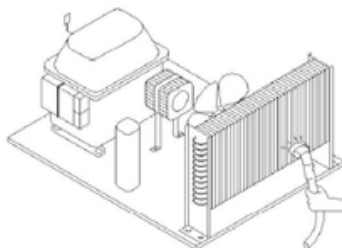
Any malfunctioning due to non-original spare parts will not be recognised by our technicians.

19. GENERAL USER INFORMATION

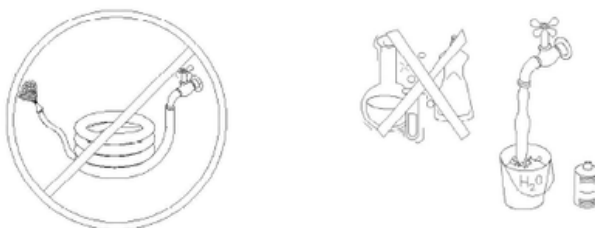
19.1 PRODUCT STORAGES



19.2 PERIODIC CONDENSER CLEANING



19.3 REFRIGERATOR CLEANING



20. MAINTENANCE

- Do not try to repair the appliance on your own
- If any fault occurs, contact with authorized services
- Interfere the device must be performed by qualified service personnel

21. HANDLING AND TRANSPORTATION

- Move products with box during the transportation
- Product box will protect against physical damage of products