

metos

ICE CUBE MAKER WITHOUT BIN

AIR-CONDENSED
WATER-CONDENSED

TYPE: C80, C150, C300

Installation and Operation Manual



Dear Customer,

Congratulations on deciding to choose a Metos appliance for your kitchen activities. You made an excellent choice. We will do our best to make you a satisfied Metos customer like thousands of customers we have around the world.

Please read this manual carefully. You will learn correct, safe and efficient working methods in order to get the best possible benefit from the appliance. The instructions and hints in this manual will give you a quick and easy start, and you will soon note how nice it is to use the Metos equipment.

All rights are reserved for technical changes.

You will find the main technical data on the rating plate fixed to the equipment. When you need service or technical help, please let us know the serial number shown on the rating plate. This will make it easier to provide you with correct service.

For your convenience, space is provided below for you to record your local Metos service contact information.

METOS TEAM

Metos service phone number:.....

Contact person:.....

1. General	1
1.1 Symbols used in the manual	1
1.2 Symbols used on the appliance	1
1.3 Checking the relation of the appliance and the manual	1
2. Safety instructions	2
2.1 Safe use	2
2.1.1 Modifications	2
2.2 Safety instructions in case of malfunction	2
2.3 Disposal of appliance	2
3. Functional description	3
3.1 General	3
3.2 Designed use of appliance	3
3.2.1 Other than instructed use	3
3.3 Structure	3
4. Use instructions	4
4.1 Use	4
4.2 After use	4
4.2.1 Cleaning	4
4.2.2 Layup	5
5. Installation	6
5.1 General	6
5.1.1 Using conditions	6
5.2 Possible disturbances from environment (to environment)	6
5.3 Storage	6
5.4 Preparing installation	6
5.5 Unpacking	7
5.6 Disposal of packaging	7
5.7 Installation	7
5.8 Placing of appliance	8
5.9 Connection to power supply mains	8
5.10 Connection to water mains	9
5.11 Distance of other fixtures	10
6. Troubleshooting	11

7. Technical specifications 15

1. General

Carefully read the instructions in this manual as they contain important information regarding proper, efficient and safe installation, use and maintenance of the appliance.

Keep this manual in a safe place for eventual use by other operators of the appliance.

The installation of this appliance must be carried out in accordance with the manufacturer's instructions and following local regulations. The connection of the appliance to the electric and water supply must be carried out by qualified persons only.

Persons using this appliance should be specifically trained in its operation.

Switch off the appliance in the case of failure or malfunction. The periodical function checks requested in the manual must be carried out according to the instructions. Have the appliance serviced by a technically qualified person authorized by the manufacturer and using original spare parts.

Not complying with the above may put the safety of the appliance in danger.

1.1 Symbols used in the manual



This symbol informs about a situation where a safety risk might be at hand. Given instructions are mandatory in order to prevent injury.



This symbol informs about the right way to perform in order to prevent bad results, appliance damages or hazardous situations.



This symbol informs about recommendations and hints that help to get the best performance out of the appliance.

1.2 Symbols used on the appliance



This symbol on a part informs about electrical terminals behind the part. The removal of the part must be carried out by qualified persons only.

1.3 Checking the relation of the appliance and the manual

The rating plate of the appliance indicates the serial number of the appliance. If the manuals are missing, it is possible to order new ones from the manufacturer or the local representative. When ordering new manuals it is essential to quote the serial number shown on the rating plate.

2. Safety instructions

2.1 Safe use

To guarantee the efficiency of the automatic ice cube maker equipped and to ensure its proper operation, it is essential to adhere to the directions provided by the manufacturer and to make sure that any maintenance work is carried out exclusively by professionally qualified staff. The appliance is designed to be used by adult persons. Prevent any children to gain access to it, for example playing with it.

2.1.1 Modifications

Modifying or trying to modify this appliance, in addition to rendering any form of warranty null and void, is extremely dangerous.

2.2 Safety instructions in case of malfunction

Under no circumstances, try to repair the appliance yourself, since any intervention on the part of persons who are not competent, in addition to being dangerous, may cause serious damage to it. In the event of a failure, contact the dealer who sold you the appliance; he will be able to give you the address of your nearest Authorized Technical Service Centre. We recommend that you insist on having always and exclusively original spares.

2.3 Disposal of appliance

Should you decide to scrap your automatic ice cube maker, first disconnect the power supply cable from the mains, and then cut the cable off. In addition, proceed as follows:

- Break and remove the door in order to prevent the possible danger of a child getting trapped inside.
- Make sure not let the coolant gas and oil contained in the compressor into the environment.
- Dispose of or recover the various materials according to the requirements of current regulations valid in your country.



This appliance does not contain coolant that damages the ozone layer.

3. Functional description

3.1 General

In making ice cube only cold, pure drinking water, should be used. Because ice cubes are mainly used for cooling of beverages for internal use, shall the quality of water used in making ice cube be considered as important as the pureness and good storage of any other food products.

3.2 Designed use of appliance

Your ice cube maker is designed only for the production of ice cubes.

3.2.1 Other than instructed use

Any use of the automatic ice cube maker other than for the production of ice cubes, from cold drinking water, is to be considered as improper use.

3.3 Structure

The supporting structure of the ice cube maker is of steel and the outer panels are of stainless steel.

4. Use instructions

4.1 Use

In making ice cubes, only cold, clean drinking water, should be used. Because ice cubes are mainly used for cooling of beverages for internal use, shall the quality of water used in making ice cubes be considered as important as the pureness and good storage of any other food products.

4.2 After use

4.2.1 Cleaning



Unplug the power cable from the socket, before you start cleaning operations.

For cleaning operations from surfaces, including subsequent ones, use an ordinary detergent for washing dishes or a solution of water and 10% of vinegar. It's recommended not to use abrasive detergents or powders, since these might damage the surfaces.



All cleaning operations must be carried out only after the power and water supply have been disconnected as described previously.

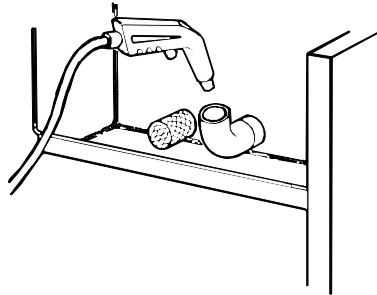


For cleaning operations from inside and disinfection of the appliance must be carried out by professionally qualified and authorized staff.

4.2.2 Layup

If you do not intend using the automatic ice cube maker for a certain period of time, proceed as follows:

- Unplug the power cable from the socket.
- Shut off the water supply by turning off the tap provided during installation.
- Remove the water from the basin (see fig.).



5. Installation

5.1 General

The automatic ice cube maker is delivered attached to a special wooden pallet and protected with cardboard packaging. Installation must be carried out exclusively by qualified and authorized staff, in compliance with current national standards and following the manufacturer's instructions.

5.1.1 Using conditions

The best performance of the automatic ice cube maker is achieved at a room temperature of 20°C and a water supply temperature of 10°C. You are advised to install the appliance with a room temperature of between 10°C and 35°C, and a water supply temperature of between 3°C and 25°C. Avoid installing the appliance where it may be exposed to direct sunlight or near to heat sources, such as radiators, stoves, dish-washers, etc.

5.2 Possible disturbances from environment (to environment)

If installation is carried out incorrectly, damage and/or injury may ensue to the environment, persons, animals or things. The manufacturer declines all responsibility for any such damage or injury.

5.3 Storage

The net weight and the weight including packaging of the ice cube maker are given on the cover of the packaging. In order to prevent the oil contained in the compressor from flowing into the coolant circuit, make sure to transport, store, and handle the automatic ice cube maker always keeping it standing upright. Follow the instructions given on the packaging.

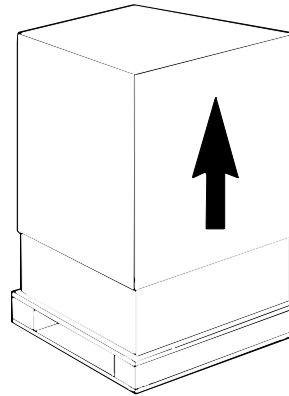
The special wooden pallet, built so that it can be lifted with a fork-lift truck, enables the appliance to be moved around using ordinary means of handling and lifting.

5.4 Preparing installation

Make sure, that the ice cube maker will be installed on an perfectly level. Avoid installing the appliance near heat sources. A floor drain should be found near of the place of installation. The maximum distance being 5 m. Make sure that the meltwater pipe presents a slope of at least 5% throughout its entire length (5 cm for 1 metre).

5.5 Unpacking

Remove the cardboard packaging by cutting the straps that hold it in place; then slide it off from the top.



Once you have removed the packaging, make sure that the automatic ice cube maker is in perfectly good condition. If you are in any doubt, do not use it and contact immediately the dealer who sold it to you.

Unscrew the screws that fasten the ice cube maker to the wooden pallet.

5.6 Disposal of packaging

All the packaging items (plastic bags, cardboard, polystyrene foam, nails, etc.) must not be left within reach of children, in that they are potential sources of danger.

5.7 Installation

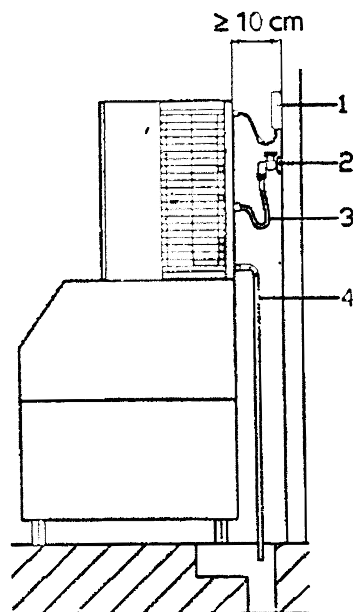
The ice cube maker can be installed on a shelves or on a container.

If the ice cube maker installing on the existing structure, it's recommended doing the technical checking, that come out if the structure are strong as necessary.

If the ice cube maker installing on a container on our production, the direction found along the container.

Use a spirit level to check that the ice cube maker is standing perfectly level.

5.8 Placing of appliance



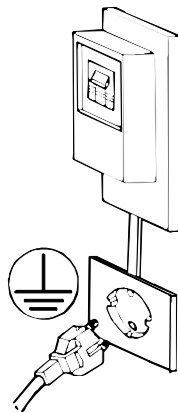
1. Power supply socket
2. Water tap
3. Water supply pipe
4. Water outlet pipe

5.9 Connection to power supply mains

The electrical wiring system scheme is attached inside of the rear panel of the ice cube maker.

To reach this, unplug the power cable from the socket, loosen the screws, which fasten the front panel and slide it away.

Electric safety of the automatic ice cube maker is achieved solely when the appliance is properly connected to an efficient earthing system made in compliance with current national safety standards. Make sure that this fundamental safety requirement is respected and, if you are in any doubt, ask for a thorough check of the electric system by professionally qualified and authorized staff. The manufacturer declines all responsibility for damage and/or injury that might ensue from any failure to earth the system properly. It is essential that the electrical wiring system where the appliance is to be installed should have adequate current carrying capacity for the maximum power of the appliance, as shown on the data plate. To achieve a proper and safe installation of the automatic ice flake maker, it is necessary to provide an appropriate earthed socket, with a contact-opening gap of no less than 3 mm, in accordance with current national safety standards. This switch must moreover be equipped with fuses (see fig. below).



Make sure to unroll the power supply cable to its entire length and check that it is not squeezed in any way.

5.10 Connection to water mains

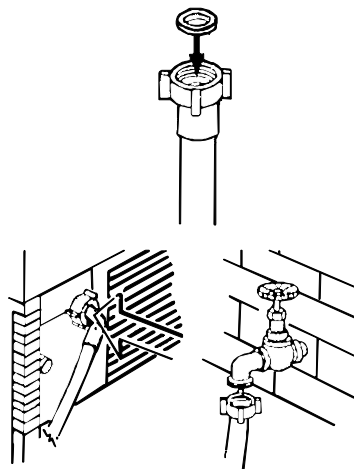
The automatic ice cube maker is designed solely for producing ice cubes and must be fed exclusively with cold water for human consumption (drinking water).

The running pressure must be between 1 and 6 Bar.

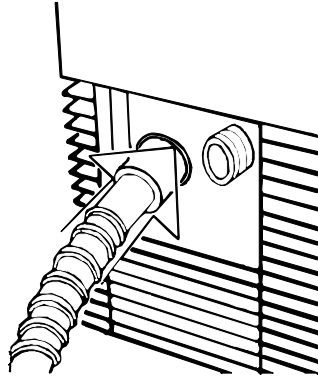
Connection to the water mains must be made following the manufacturer's instructions by professionally qualified staff.

Between the water mains and the charge pipe of the automatic ice cube maker, a tap must be installed so that the water supply may be shut off if need be.

Where the feed water is particularly hard, you are advised to install a softener. Any solid particles (e.g., sand) may be eliminated by installing a mechanical filter, which must be periodically inspected and cleaned. These filters must be in compliance with the relevant national standards in force.



Insert the special seals in the two threaded ring nuts of the water charge pipe with witch the automatic ice cube maker come supplied (see fig. below) Without exerting excessive force in order not to risk cracking the unions, firmly tighten a threaded ring nut on the outlet of the solenoid valve located in the back of the ice cube maker.



The other threaded ring nut must be screwed to the water tap; this too must be provided with a 3/4" thread. Insert the water outlet pipe in the housing provided in the back of the automatic ice cube maker.

Make sure that:

- The internal diameter of the pipe is 22 mm, as required.
- The water outlet pipe is not throttled in any point throughout its length.
- The outlet pipe get down at least 15% downwards on its entire length and there are no air pockets in the pipe.
- Direct the water outlet pipe into an open drain trap.

5.11 Distance of other fixtures

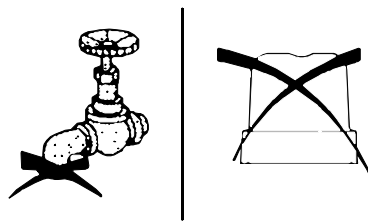
Do not obstruct the ventilation and heat-dissipation grills, since poor air conditioning, in addition to reducing efficiency and causing poor operation, may also cause serious damage to the appliance.

Leave distance at least 50 mm from the sides and 100 mm fromn the back of the ice cube maker, to make sure that air conditioning is sufficient.

6. Troubleshooting

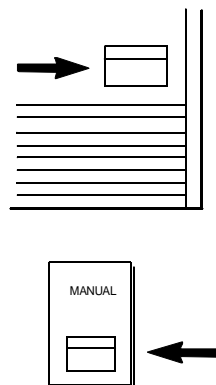
Should the appliance fail to produce ice, before calling on the Authorized Technical Service Centre, first check carefully that:

- The water supply tap provided in the installation phase is open (see fig.).
- The electric power is reaching the appliance, the plug is properly inserted, and the corresponding switch is in the “on” position.
- In the event of excessive noise, check that the appliance does not come into contact with other fixtures or sheet metal that may cause noise or vibrations.
- Should any traces of water appear, check that the discharge hole of the container is not obstructed, that the water feed and discharge pipes are correctly connected up and do not present any throttling or damage.



Once the above checks have been made, if the appliance were still to present malfunctioning, switch off the power supply via the switch provided during the installation phase, pull out the plug from its socket, close the tap connecting the appliance up to the water supply, and call the nearest Authorized Technical Service Centre.

In order to obtain a faster and more efficient intervention, when you call the Centre, indicate the model of the appliance precisely, and its serial number. These can be read on the matriculation lable stuck on the rear of the appliance or on the cover of this manual (see fig.).



Troubleshooting

MALFUNCTION	Possible cause	Operation
Ice cube maker does not function	Appliance does not function	Check power supply
	Thermostat in the container does not func.	Change the thermostat
	Safety thermostat of the condenser does not function.	Change the thermostat
	Safety pressure switch has cut off (C300)	Settle the pressure switch
Appliance functions, but does not make proper ice	The condenser is blocked	Clean the condenser
	There is no coolant gas	Find leakage, fix it, vacuumize and fill up
	Warm gas valve leaks	Fix or change the valve
	Compressor does not pump	Change the compressor
	Air condensed models	Check the fan, change if needed
	Condenser fan does not function	Check the function. of the pressure switch
Water container receives no water	Solenoid valve does not open or is blocked	Change the valve
Water container has no water or water runs out during cycle	Overflow pipe of the basin is on a too low level	Set the pipe on the right level or renew it
	Dirty nozzles	Clean or change the nozzles
	Water basin leaks	Find the leakage and fix/change the basin
	Sieve of the water valve is blocked	Clean the sieve
Appliance does not stop when the container is filled	Malfunctioning thermostat of the ice cube container	Check the probe, adjust/change the thermostat
Safety thermostat for overheating stops the apparatus	The water supply valve does not open	Change the pressure switch
	The water condenser is obstructed	Clean the water condenser (slime removal)
	The appliance receives no water	Check the water supply
Appliance stays in function during the cooling phase	Malfunctioning thermostat of the evaporator	Change the thermostat
	The reel of the warm gas cooling valve	Change the reel
	The slide pulse is faulty	Change the slide pulse
Collects ice under the evaporator or frozes throughout	Malfunctioning thermostat of the evaporator	Change the thermostat
	Warm gas valve leaks	Change valve
	The slide pulse is faulty	Change the slide pulse
	The appliance has not enough liquid	Find leakage, fix it, vacuumize and fill up
Irregular or incomplete melting	Not enough liquid	Find leakage, fix it, vacuumize and fill up
	Dirty evaporator	Clean the evaporator (cautiously)
	The water valve does not get closed	Change the valve
Lack of water	Water supply or drain pipe is not connected	Check the connections
	The water pump leaks	Change the pump
	Bad pipe connections	Check the pipe connections
	Plastic drain water coupler is broken	Check fix/change
Irregular ice-cubes	Lime containing water	
Compressor is noisy or functions irregularly	Malfunctions in the electrical system	Check the electrical system
	Start condenser is malfunctioning	Change the condenser
	Start relay is malfunctioning	Change the relay
	Uneven start	Change the compressor
	Shakes at start up	Change the compressor
	Extremely noisy functioning	Change the compressor

Troubleshooting

Ice cube production reduces	The condenser or the air filter is obstructed	Clean the condenser or the filter
	The water does not exit from the ice container	Drain water hose is throttled/blocked
	Not enough liquid	Find leakage, fix it, vacuumize and fill up
	The warm gas valve leaks	Fix or renew the valve
	The water valve leaks or changes the water	Renew the water solenoid valve
	The suction valves of the compressor leak	Tenew the compressor
Melting phase does not function	Warm gas valve does not open	Check the valve, fix it or renew

7. Technical specifications

Electric diagram 24126 rev2 (valid from 2004.07.22)

Electric diagram 24127

Electric diagram 24127 rev3 (valid from 2004.07.22)

Electric diagram 24128

Electric diagram 24128 rev5 (Valid from 20040722)

Electric diagram 24129/3

Electric diagram 24130

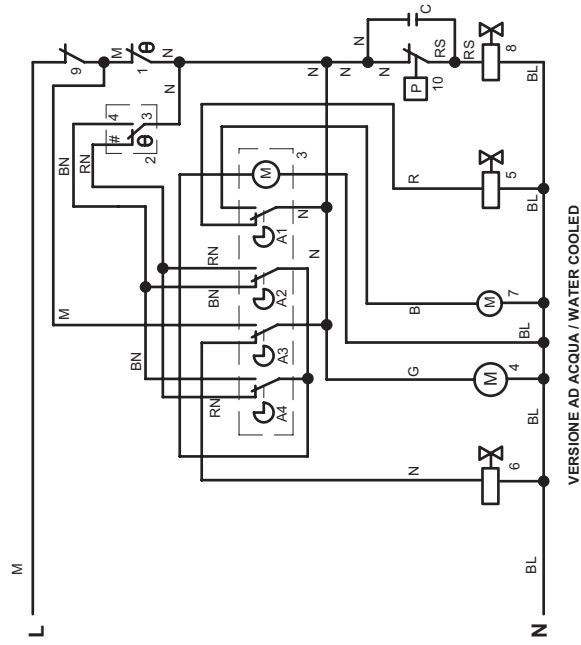
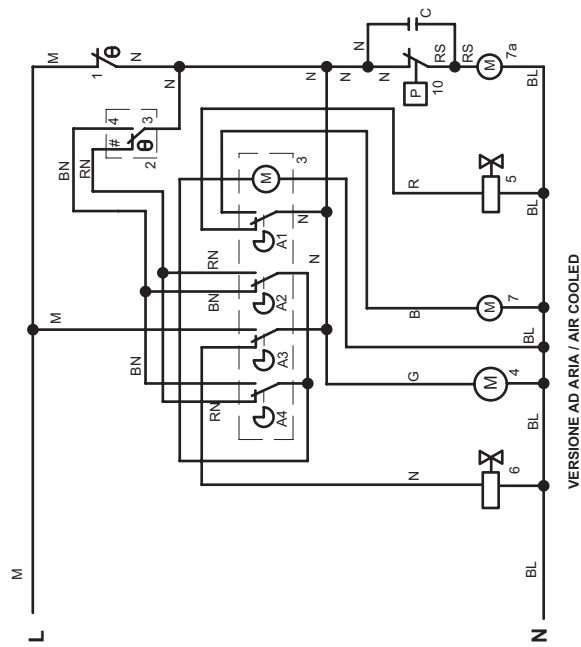
Installation drawing C80

Installation drawings C150

Installation drawing C300

Marine foot

SCHEMA ELETRICO / ELECTRIC DIAGRAM



1. TERMOSTAATTI ALLAS BIN THERMOSTAT	5. KUUMAKAASUVENTTIILI HOT GAS VALVE	8. VEDENSYÖTTÖV. LAUHDTTIMELLE WATER INLET VALVE FOR CONDENSER
2. TERMOSTAATTI HÖYRYSTIN EVAPORATOR THERMOSTAT	6. VEDENSYÖTTÖV. HÖYRYSTIMELLE WATER INLET VALVE FOR EVAPORATOR	9. TERMOSTAATTI SAFETY THERMOSTAT
3. AJASTIN TIMER	7. PUMPPU PUMP	10. PAINEKYTKIN PRESSURE SWITCH
4. KOMPRESSORI COMPRESSOR	7a. PUHALINMOOTTORI FAN MOTOR	

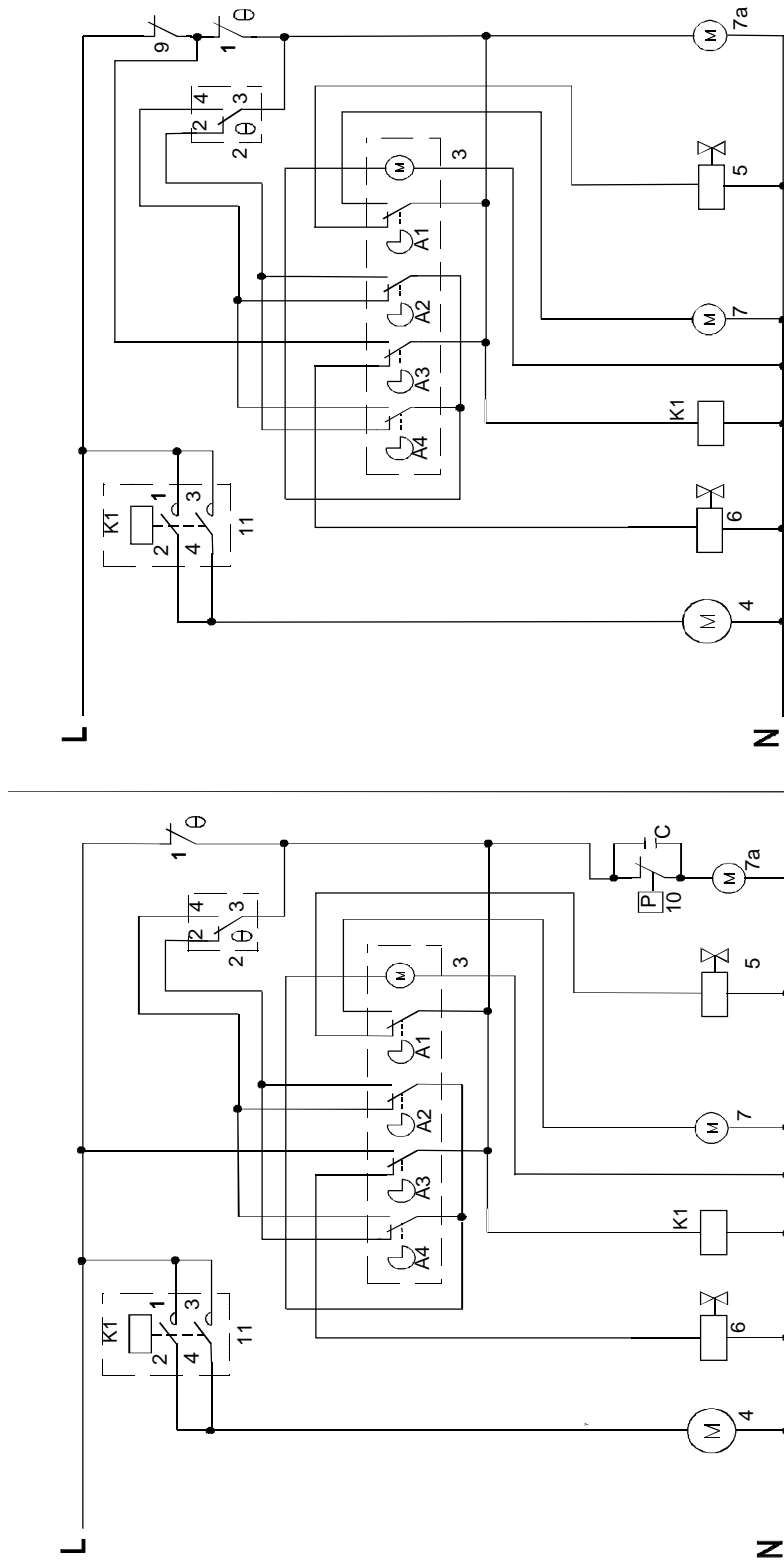
B = VALKOINEN / WHITE
 BL = SININEN / BLUE
 BN = VAIKOMUSTA / WHITE-BLACK
 G = HARMAA / GREY
 M = RUSKEA / BROWN
 N = MUSTA / BLACK
 R = PUNAINEN / RED
 RN = PUNA-MUSTA / RED-BLACK
 RS = ROSA / PINK

6 = RANCO K59
 # 2 = RANCO K22

C80 24126r2.pdf valid from 20040722

Cod. 24126 - Rev. 02

ELECTRIC DIAGRAM / SÄHKÖKAAVIO / ELSHEMA



AIR COOLED / ILMAJÄÄHDYTYTEINEN / LUFTKYLD

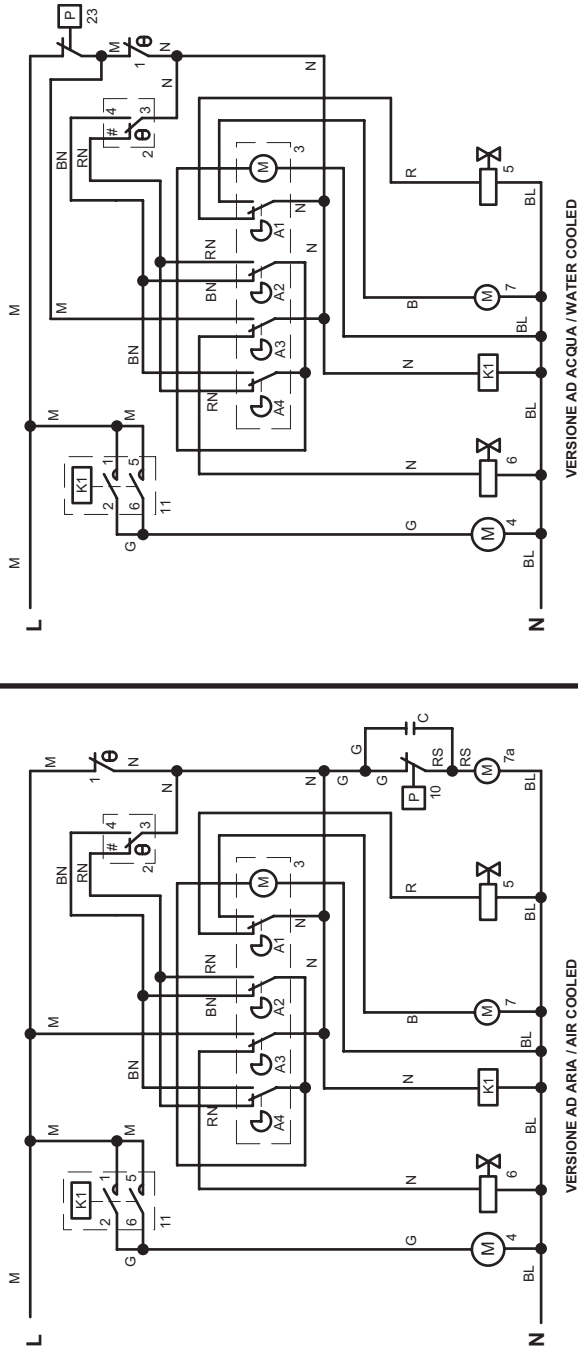
WATER COOLED / VESIJÄÄHDYTYTEINEN / VATTENKYLD

TANK THERMOSTAT 1. ALTAAN TERMOSTAATTI TANK THERMOSTAT	HOT GAS VALVE 5. KUUMAN KAASUN VENTTIILI VARM GAS VENTIL	SAFETY THERMOSTAT 9. TURVATERMOSTAATTI SAKERHETSTERMOSTAT
EVAPORATOR THERMOSTAT 2. HÖYRYSTIMEN TERMOSTAATTI EVAPORATOR THERMOSTAT	WATER INLET VALVE FOR EVAPORATOR 6. HÖYRYSTIMEN VEDEN TULOVENTTIILI VATTENS INLOPPSVENTIL TILL EVAPORATOR	PRESSURE SWITCH 10. PAINEKYTKIN PRESSOSTAT
TIMER 3. AJASTIN TIDGIVARE	PUMP 7. PUMPPU PUMPA	CONTACTOR 11. KONTAKTORI KONTAKTOR
COMPRESSOR 4. KOMPRESSORI KOMPRESSOR	FAN MOTOR 7a. TUULETTIMEN MOOTTORI FLÄKT MOTOR	

C150AW 220/50-60

COD.24127

SCHEMA ELETRICO / ELECTRIC DIAGRAM



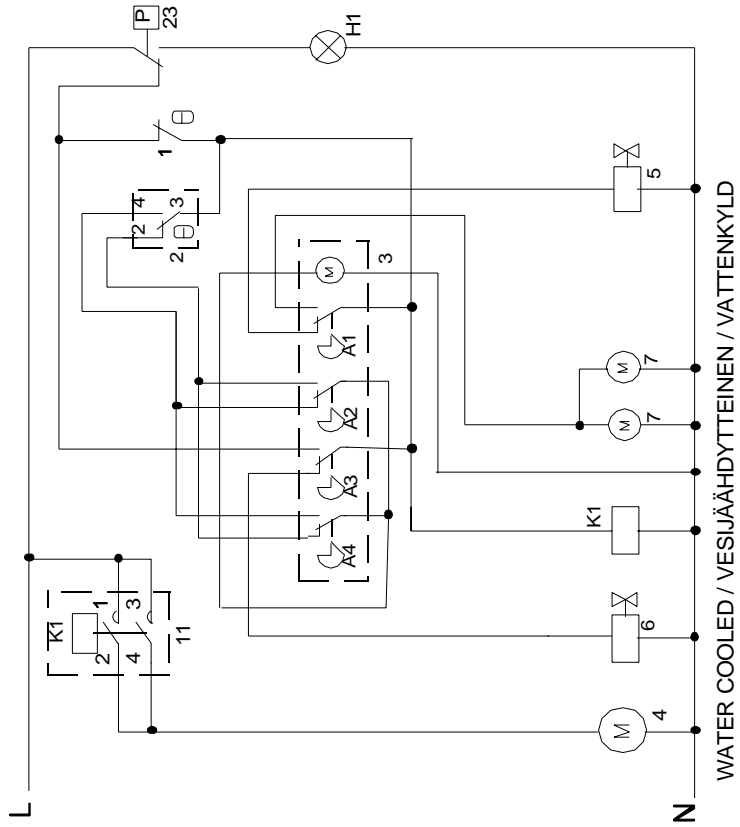
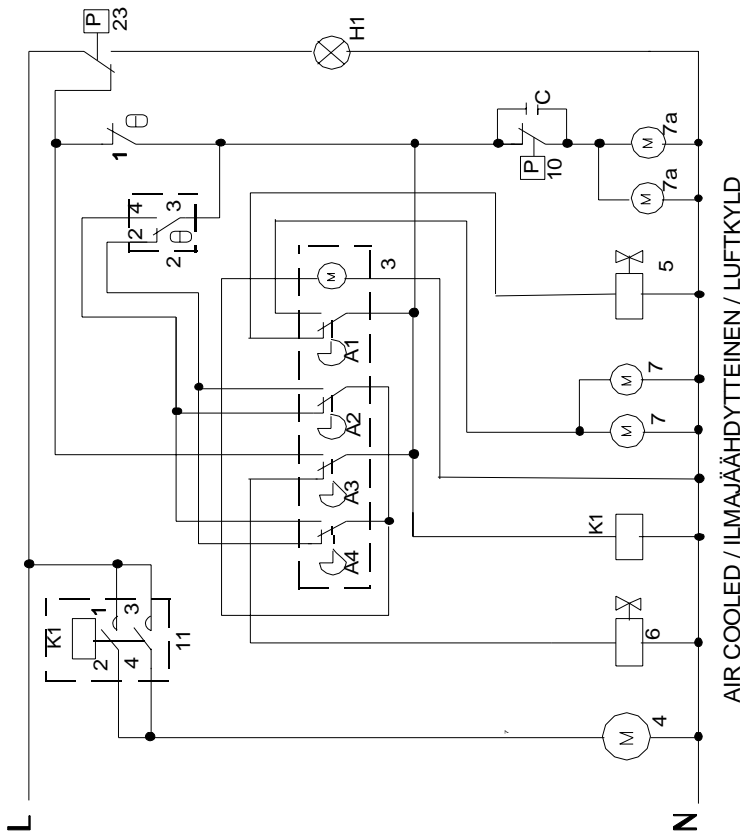
1. TERMOSTAATTI ALLAS BIN THERMOSTAT	5. KUJMAKAASUVENTTILI HOT GAS VALVE	10. PAINEKYTKIN PRESSURE SWITCH
2. TERMOSTAATTI HÖYRYSTIN EVAPORATOR THERMOSTAT	6. VEDENSYÖTTÖV. HÖYRYSTIMELLE WATER INLET VALVE FOR EVAPORATOR	11. KONTAKTORI CONTACTOR
3. AJASTIN TIMER	7. PUMPPU PUMP	23. PAINEKYTKIN SAFETY PRESSURE SWITCH
4. KOMPRESSORI COMPRESSOR	7a. PUHALINMOOTTORI FAN MOTOR	

- B = VALKOINEN / WHITE
- BL = SININEN / BLUE
- BN = VALKOMUSTA / WHITE-BLACK
- G = HARMAA / GREY
- M = RUSKEA / BROWN
- N = MUSTA / BLACK
- R = PUNAINEN / RED
- RN = PUNA-MUSTA / RED-BLACK
- RS = ROSA / PINK

- # 6 = RANCO K59
- # 2 = RANCO K22

C150 24127r3.pdf valid from 20040722

ELECTRIC DIAGRAM / SÄHKÖKAAVIO / ELSCHHEMA

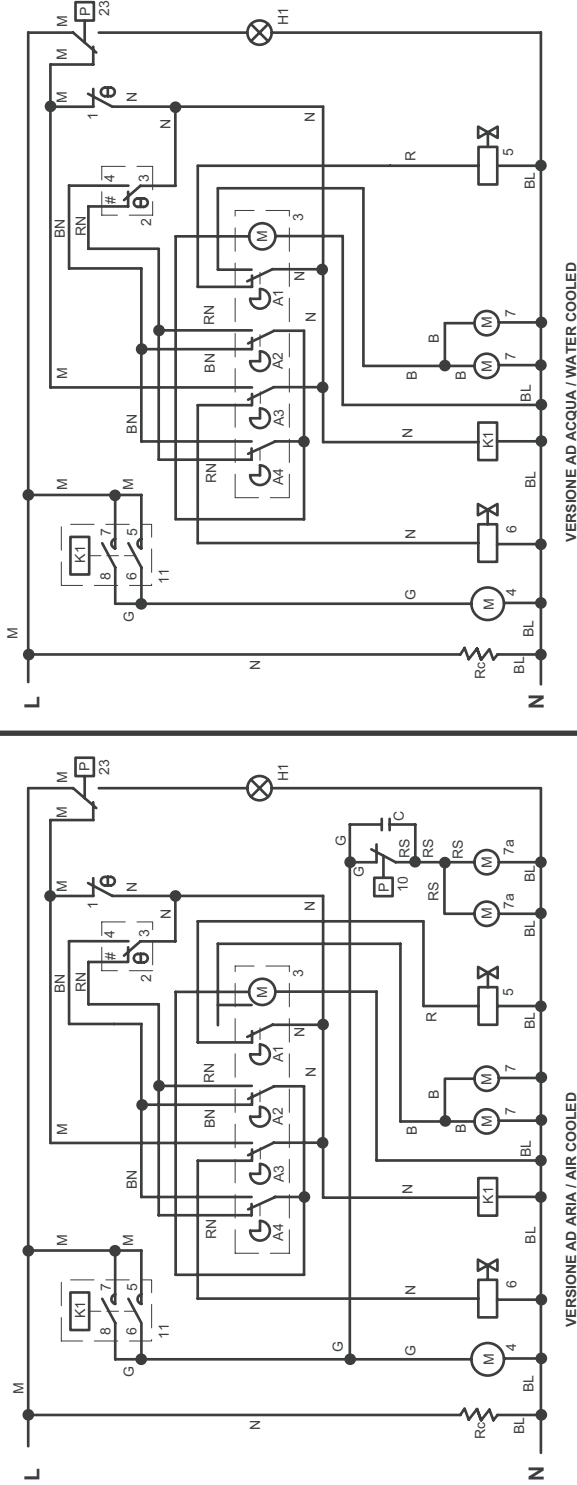


TANK THERMOSTAT 1. ALTAAN TERMOSTAATTI TANK THERMOSTAT	HOT GAS VALVE 5. KUJUMAN KAASUN VENTTIILI VARM GAS VENTIL	PRESSURE SWITCH 10. PAINEKYTKIN PRESSOSTAT
EVAPORATOR THERMOSTAT 2. HÖYRYSTIMEN TERMOSTAATTI EVAPORATOR THERMOSTAT	WATER INLET VALVE FOR EVAPORATOR 6. HÖYRYSTIMEN VEDEN TULOVENTTIILI VATTENS INLOPPSVENTIL TILL EVAPORATOR	CONTACTOR 11. KONTAKTORI KONTAKTOR
TIMER 3. AJASTIN TIDGIVARE	PUMP 7. PUMPPU PUMPA	SAFETY PRESSURE SWITCH 23. TURVAPAINEKYTKIN SÄKERHETS TRYCKBRYTARE
COMPRESSOR 4. KOMPRESSORI KOMPRESSOR	FAN MOTOR 7a. TUULETTIMEN MOOTTORI FLÄKT MOTOR	ORANGE PILOT LIGHT: ALARM H1. ORANSSI MERKKIVALO: HÄLYTYS ORANGE SIGNALLJUS: ALARM

C300 A/w 220/50-60

COD. 24128/2

SCHEMA ELETRICO / ELECTRIC DIAGRAM

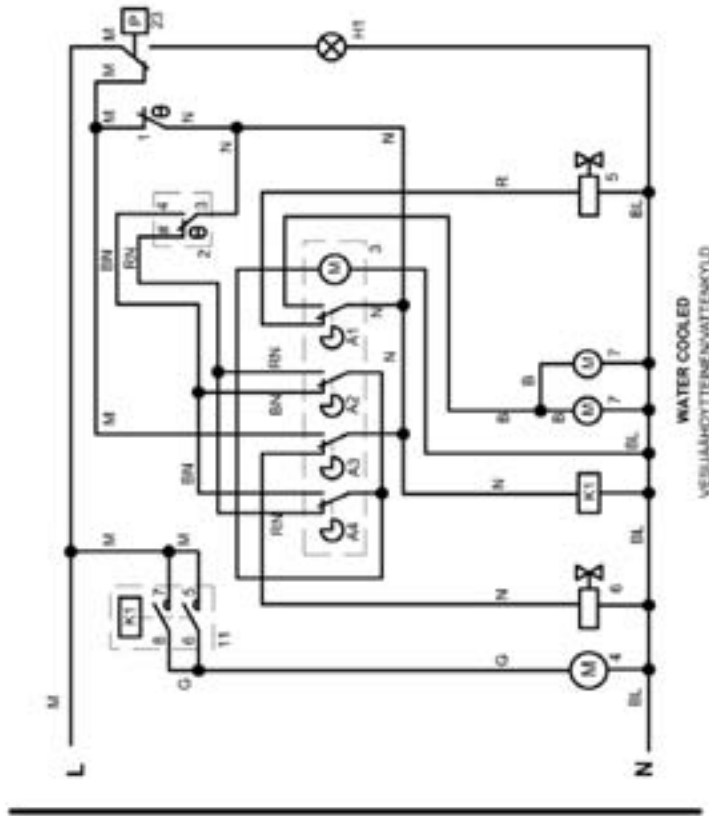
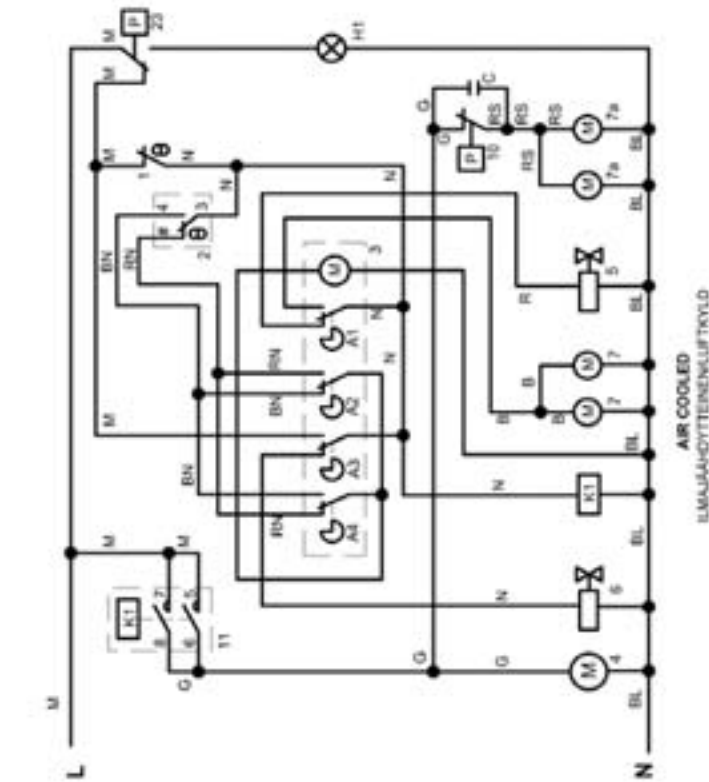


1. TERMOSTAATTI ALLAS BIN THERMOSTAT	6. VEDENSYÖTTÖV. HÖYRYSTIMELLE WATER INLET VALVE FOR EVAPORATOR	PAINEKYTKIN 23. SAFETY PRESSURE SWITCH
2. TERMOSTAATTI HÖYRYSTIN EVAPORATOR THERMOSTAT	7. PUMPPU PUMP	H1. HÄLYTYSVALO, ORANSSI ORANGE PILOT LIGHT, ALARM
3. AJASTIN TIMER	7a. PUHALTIMOOTTORI FAN MOTOR	Rc. VASTUS COMPRESSOR RESISTANCE
4. KOMPRESSORI COMPRESSOR	10. PAINEKYTKIN PRESSURE SWITCH	# 6 = RANCO K59 # 2 = ATEA A33 - RANCO K61 - RANCO K22
5. KUUNAKAASUVENTTIILI HOT GAS VALVE	11. KONTAKTORI CONTACTOR	

Cod. 24128 - Rev. 05

C300 24128r5.pdf valid from 20040722

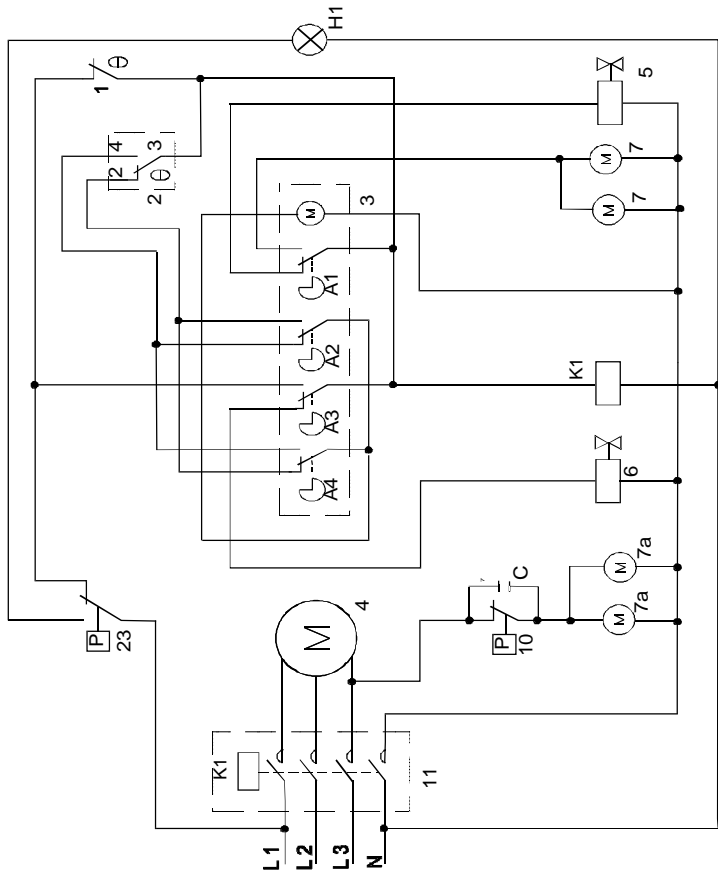
ELECTRIC DIAGRAM / SÄHKÖKAAVIO/ELSHEMA



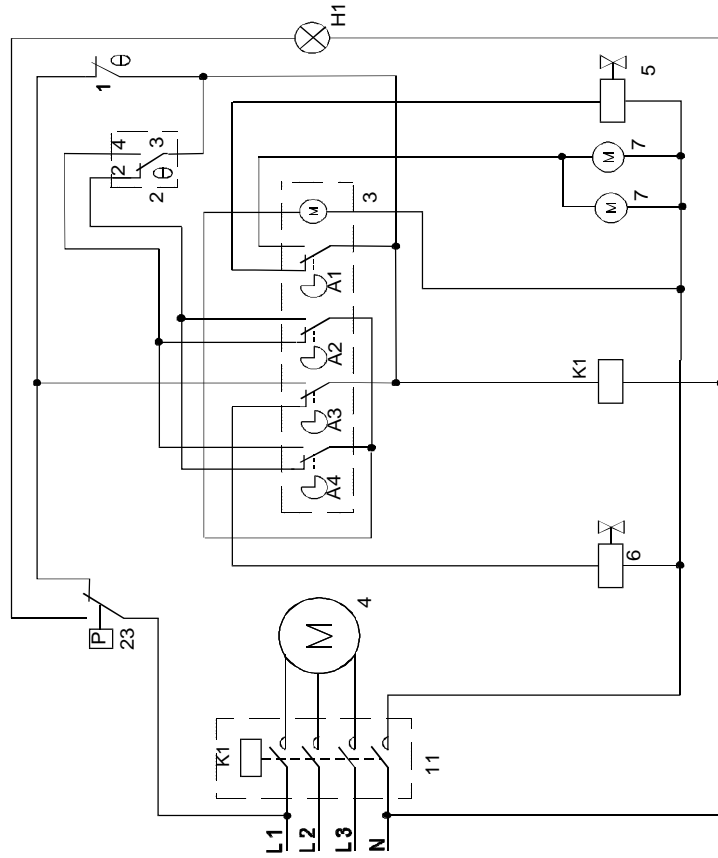
BN THERMOSTAT 1. ALTAAN TERMOSTAATTI TANKTERMOSTAT	HOT GAS VALVE 5. KUIUMAN KAASUN VENTTIILI HETGASVENTIL	PRESSURE SWITCH 10. PAINEKYTKIN PRESSOSTAT
EVAPORATOR THERMOSTAT 2. HÖYRYSTIMEN TERMOSTAATTI EVAPORATORITERMOSTAT	WATER INLET VALVE FOR EVAPORATOR 6. HOYRYSTIMEN VEDEN TULOVENTTIILI EVAPORATORNS VÄTTEENLOPPSVENTIL	CONTACTOR 11. KONTAKTORI KONTAKTOR
TIMER 3. AJASTIN TIMER	PUMP 7. PUMPPU PUMP	SAFETY PRESSURE SWITCH 23. TURVAPAINEKYTKIN SAKERHETSPRESSOSTAT
COMPRESSOR 4. KOMPRESSORI KOMPRESSOR	FAN MOTOR 7a. TUULETIMMOOTTORI FLÄKTMOTOR	ORANGE PILOT LIGHT ALARM H1. ORANSI MERKKILAMPPU: HÄLYTYS ORANGE SIGNALLAMPPU: ALARM

B = WHITE -VALKOINEN-VIT
BL = BLUE -SININEN-BLA
BN = WHITE/BLACK -VALK/MU-VITSV
G = GREY -HARMAA-GRÅ
M = BROWN -RUSKEA-BRUN
N = BLACK -MUSTA-SVART
R = RED -PUNAINEN-ROD
RN = RED/BLACK -PUN/MU-ROOSV
RS = PINK -VAAL-PUNAINEN-PINK
#6 = RANCO K59
#2 = ATEA A33 - RANCO K51

ELECTRIC DIAGRAM / SÄHKÖKAAVIO / ELSHEMA



AIR COOLED / ILMAJÄÄHDYTYSTEINEN / LUFTKYLD



WATER COOLED / VESIJÄÄHDYTYSTEINEN / VATTENKYLD

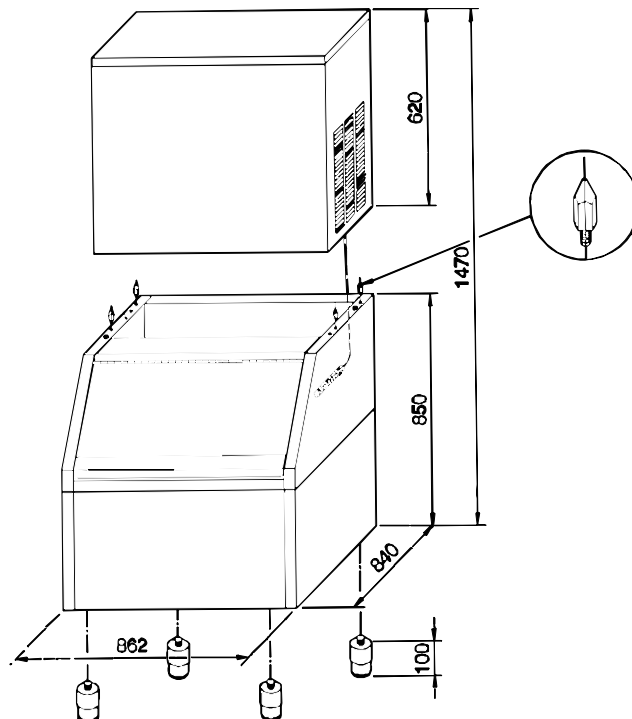
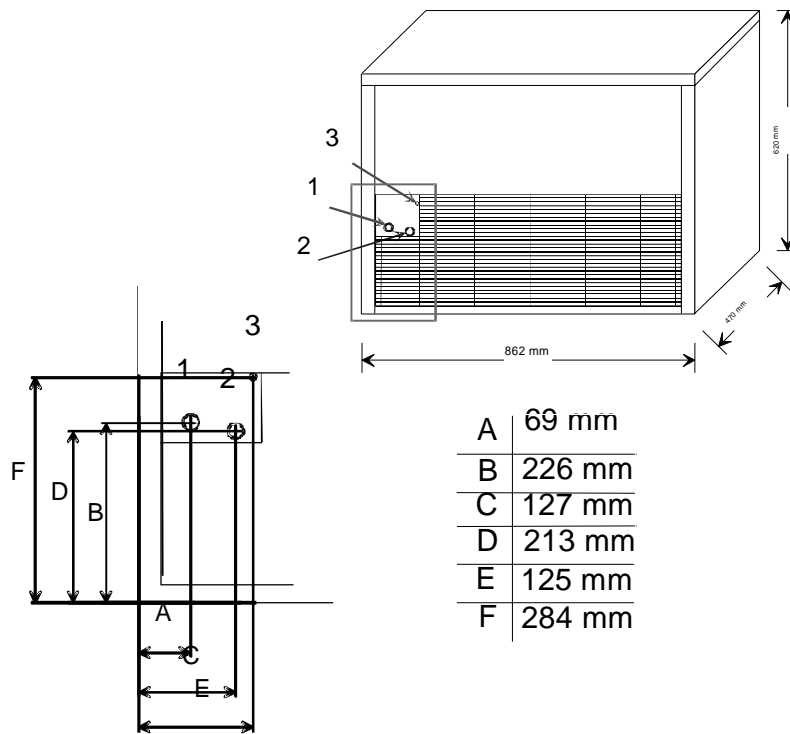
TANK THERMOSTAT 1. ALTAAN TERMOSTAATTI TANK THERMOSTAT	HOT GAS VALVE 5. KUIUMAN KAASUN VENTTIILI VARM GAS VENTIL	PRESSURE SWITCH 10. PAINEKYTKIN PRESSOSTAT
EVAPORATOR THERMOSTAT 2. HÖYRYSTIMEN TERMOSTAATTI EVAPORATOR THERMOSTAT	WATER INLET VALVE FOR EVAPORATOR 6. HÖYRYSTIMEN VEDEN TULOVENTTIILI VATTENS INLOPPSVENTIL TILL EVAPORATOR	CONTACTOR 11. KONTAKTORI KONTAKTOR
TIMER 3. AJASTIN TIDGIVARE	PUMP 7. PUMPPU PUMPA	SAFETY PRESSURE SWITCH 23. TURVAPAINEKYTKIN SÄKERHETS TRYCKBRYTARE
COMPRESSOR 4. KOMPRESSORI KOMPRESSOR	FAN MOTOR 7a. TUULETTIMEN MOOTTORI FLÄKT MOTOR	ORANGE PILOT LIGHT: ALARM H1. ORANSSI MERKKIVALO: HÄLYTYS ORANGE SIGNALLJUS: ALARM

C300 400/3/50 - 460/3/60

COD. 24130/2

Installation drawing C80

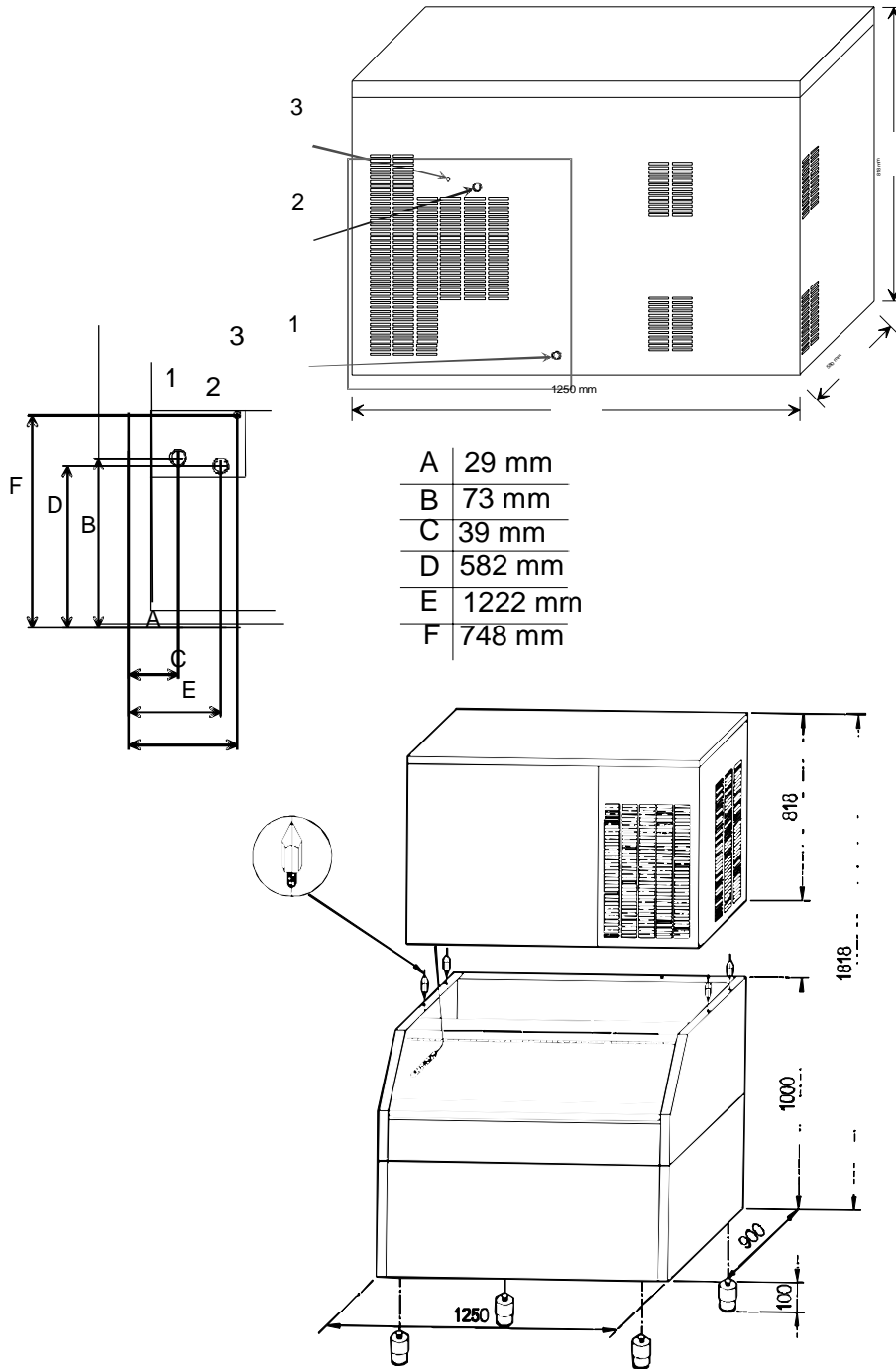
C 80



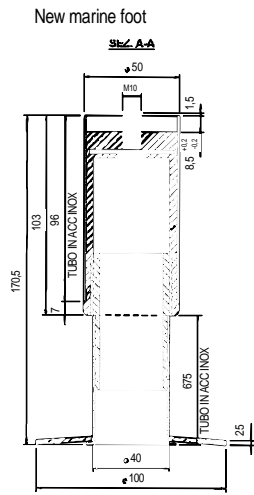
1. Water OUT, diam. 24mm
2. Water IN, diam. 3/4"
3. Power cable

Installation drawing C300

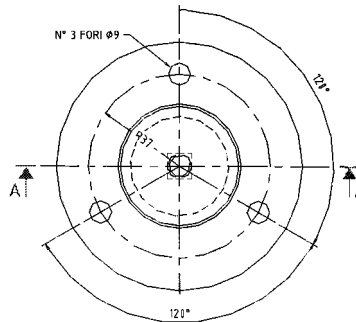
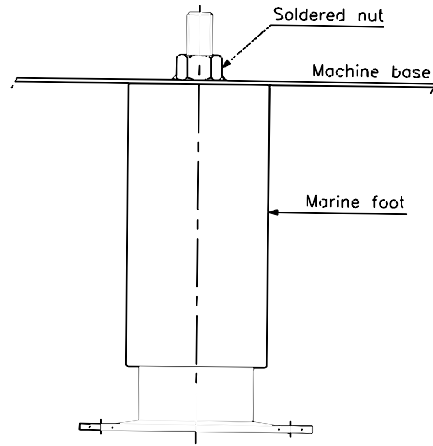
C 300



Marine foot



Installation of marine foot:



Technical specifications

Item	Model	Type	Specification
Production in 24h, till		80	90 kg
Production in 24h, till		150	155 kg
Production in 24h, till		300	300 kg
Cooling system			A,W
Kind of cube		80,150,300	A = 18g
Kind of cube		80,150,300	C = 33g
Kind of cube		80,150,300	D = 13g
Fluid refrigerant			R404A
Useable bin		80	T180-C80
Useable bin		150	T180-C150,T380-C150, Double Roller Bin-C150
Useable bin		300	T380-C300,Double Roller Bin-C300
Standard voltage			220-240/1/52
Input power		80	850W
Input power		150	1400W
Input power		300	2600W
Water consumption	A	80	2,2 l/kg
Water consumption	A	150	2,6 l/kg
Water consumption	A	300	2,6 l/kg
Water consumption	W	80	13,5 l/kg
Water consumption	W	150	13 l/kg
Water consumption	W	300	14,3 l/kg
Size (WxDxH)		80	862x470x620 mm
Size (WxDxH)		150	862x555x720 mm
Size (WxDxH)		300	1250x580x818 mm
Size (with packing) (WxDxH)		80	920x530x720 mm
Size (with packing) (WxDxH)		150	920x610x820 mm
Size (with packing) (WxDxH)		300	1300x690x1005 mm
Weight net		80	28 kg
Weight net		150	37 kg
Weight net		300	48 kg
Weight gross		80	92 kg
Weight gross		150	128 kg
Weight gross		300	178 kg
Rerfrigerant R404A	A	80	510g
Rerfrigerant R404A	W	80	350g
Rerfrigerant R404A	A	300	1300g
Rerfrigerant R404A	W	300	1050g

A=AIR-CONDENSED, W=WATER-CONDENSED

80=C80, 150=C150, 300=C300

A=3/N/PE~400/230V 50Hz, B=~250V 16A 50Hz, H=3/PE~230V 50Hz, I=3/PE~220V 60Hz