

HOSHIZAKI SERVICE MANUAL

ADVANCE K70 / K140 / F70 / F140







As the user, please use the operating instructions.
This service manual does not include operating instructions.
It is only intended for the service technician.

The user requires important safety Information not Included here.

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Safety information

This service manual does not include comprehensive operating instructions for the user; it is only a further supplement to the operating instructions.

It is intended for a trained service technician. As a result, many important safety instructions for the user are missing with regard to the scope and readability. In case of doubt, please observe the information in the operating instructions for transport, installation, operation and electrical safety and never pass on this service manual in place of the operating instructions.

Intended use

This device is intended for the storage of packaged foods at a constant temperature. This device must not be used to cool down or freeze foods.

Area of application:

Climate category	Ambient temperature and air humidity
5	+40°C with %40 RH

Suitable installation site

The device must be installed in a dry, well ventilated room away from direct sunlight at a sufficient distance from radiators and other sources of heat. Please always take into account the waste heat of all devices installed in one room. The ambient temperature must lie between a minimum of +16°C and a maximum of +40°C. A gap of at least 0.5 metres must be kept between the top edge of the machine compartment and the ceiling. The air exchange in this area must not be obstructed from the front or the side by screens etc. hanging from the ceiling.

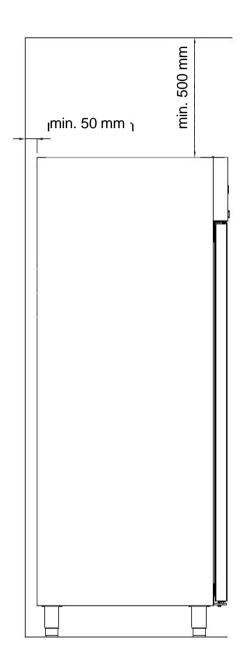
For electrical safety reasons, the device must not be operated outside. The refrigeration technology of the device does not function outside or in unheated rooms (particularly in colder seasons) and can be damaged by low temperatures.

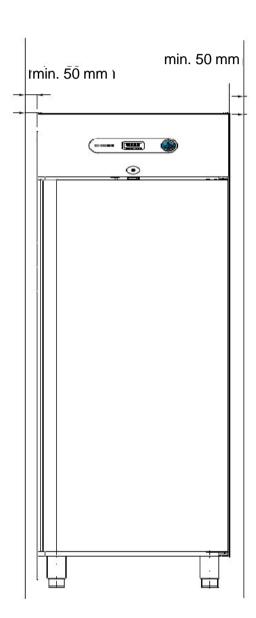


Distance from walls and ceiling:



A gap of at least 50 cm must be kept between the top edge of the machine compartment and the ceiling, and of at least 50 mm from walls, furniture and other devices.







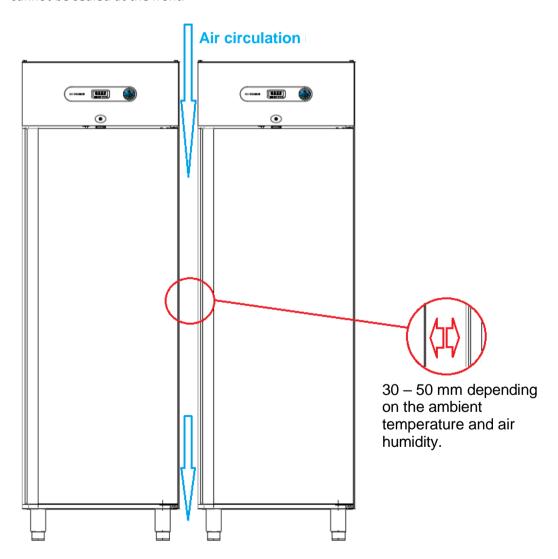
Setting up several devices side by side

Depending on the temperature and air humidity at the installation site as well as the selected set point setting, the water in the ambient air can condense on the surface of a refrigerating unit due to its design.

If several cooling or refrigeration units are set up side by side, this condensation effect becomes stronger, and a lower air quantity can circulate between the devices. As a result, a minimum distance of **30 to 50 mm** must be kept between the devices depending on the temperature and air humidity.

These gaps must not be sealed either at the top or bottom, but can be covered by a stainless-steel panel from the front for aesthetic purposes. The panel must be removable for cleaning within the gaps.

If it is not possible for air to circulate freely at the bottom, e.g. due to a base installation, then thegaps cannot be sealed at the front.



Unpacking and installing the device

The device must be placed on its back in order to remove the pallet beneath it.



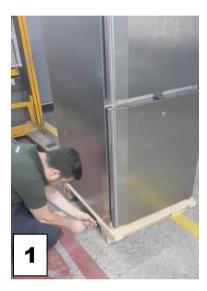
Warning

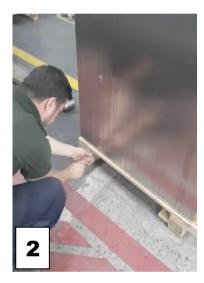
The device's centre of gravity is located at the top by the machine box (top heavy). At least two people are required to lay down the device and set it upright again. Safety shoes and safety gloves must be worn.



Important If the device has laid on its back or was transported horizontally, then it must stand upright for at least two hours before switching it on to allow the oil to collect in the compressor.

Once the device is on its back, the transport pallet must be removed by the following sequence;



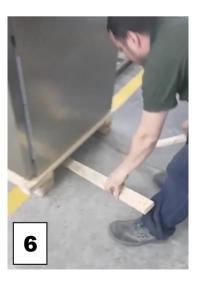




1-2-3) 2 pieces of long wooden pieces at the bottom of the pallet are detached from the lower part of the pallet with the help of a screwdriver from the left side of the refrigerator.







4-5-6) The other side of the long wooden pieces is moved to the right side of the refrigerator and detached from the bottom of the pallet with the help of a screwdriver.







7-8-9) Then, 2 pieces of short wooden pieces at the back of the pallet are removed by hand. Once the pieces of wood that hold the cabinet to the pallet are removed, it means the cabinet is no longer connected to the pallet.







10-11-12) With the help of a pallet truck or by means of 2 people, the cabinet is first tilted to one side from the pallet and then the pallet is removed from the bottom.

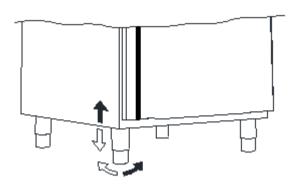




13-14) After the pallet leaves the refrigerator, the refrigerator is left slowly and with its feet evenly on the floor.

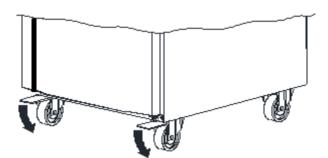
Devices on feet

Cabinets on feet require an even, durable floor. Cabinets on feet are levelled by turning the internal part of the feet (see figure):



Devices on castors

Cabinets on castors require a level, even and durable floor to provide a stable foundation. Aftercorrectly positioning the device, the two brakes on the front castors must be applied (see figure)





Devices on castors must not be placed on a platform.

Condensation water re-evaporation

The cabinets are equipped with a chamber for re-evaporation of the condensation water on top of the cabinets. This equipment is intended for the amount of condensation water that accumulates on average with a maximum of 72 door openings per day according to EN16825.

The actual amount of condensation water may vary depending on usage and ambient conditions. If the number of door openings per day exceeds 72, or the condensation water pan overflows due to other usage factors, the user must use the product strictly under the specified conditions to prevent overflow.

If the amount of condensation increases despite not changing the usage or the ambient conditions, the device may have a defective door seal or a door that does not close properly.

Electrical connection

The 220-230 V/50 Hz mains connection is established by plugging the provided cable with appliance connector into a socket with earthed protective contact.

30 mA residual current circuit breaker is required.

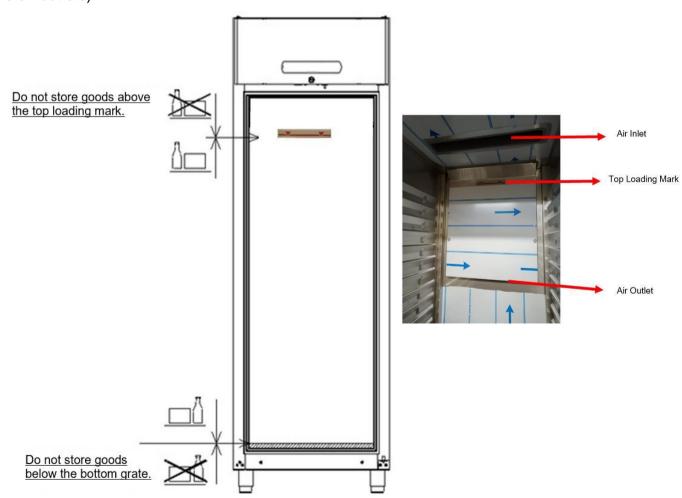
There may be special regulations from your local energy supply company regarding earthing measures that must be observed.



When working with the electrical equipment, the device must always be disconnected from the mains by pulling out the power plug. It is NOT sufficient to switch off the device with the ON/OFF button as parts of the device are still live

Instructions for daily use

In order to achieve the necessary air circulation in the interior, only store goods within the corresponding markings (loading marks) and on the grates (never on the floor or in front of the air outlets).



No electrical devices may be operated inside the device.

Cleaning and maintenance

The device must be cleaned regularly. The intervals depend on the usage and level of soiling (at least annually).



Before carrying out any cleaning or maintenance operations, unplug the unit



Don't touch or wet the machine compartment parts. This could result in failure or breakdown.



To prevent possible damage, don't clean the plastic parts with water above 40° C or in a dishwasher.

Interior & Exterior of Cabinet and Shelves



Clean the interior and exterior at least once a week for sanitary use.



Clean off the interior and exterior of cabinet with a soft cloth soaked in cold or warm water containing the proper amount of neutral cleaner and wrung dry. Don't use a water jet to clean the machine compartment.



Chemical agents other than neutral cleaner might cause damage to the interior and exterior surfaces.



Any remaining detergent will damage metal or plastic surfaces. Use a soft cloth dampened with warm water to wipe it off.



Don't use the following items, they could damage painted or plastic surfaces:

- Polishing powder, alcohol, thinner, benzene, acidic or alkaline detergent, hot water, petroleum, soap powder, metal scourer or brush, etc. Especially detergent to clean grease on ventilator or microwave



Note: Some solutions other than the above may also damage painted or plastic surfaces. Immediately stop using such solutions if they cause any problems!



The door gasket and its contact surface get soiled easily. Clean every surface of these parts thoroughly. Remnants of food will accelerate aging.



Use a cloth to wipe off any water staying inside the cabinet.

Cleaning and maintenance

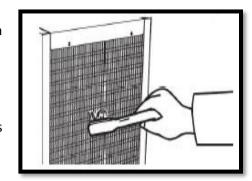
Condenser



Use vacuum cleaner or a soft brush to remove dust and stains from the condenser.



Warning: If users clean the condenser with hard brush, such as dishwasher brush, the coating of condenser may peel off.



Air Filter



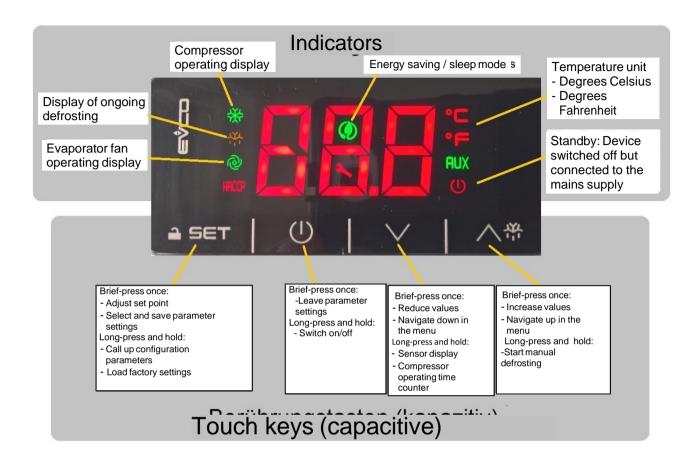
 \bigwedge o prevent deformation do not wash the air filter hot water above 40 $^\circ$

lastic mesh air filters remove dirt or dust from the air and keep the condenser from getting ged. If the filters get clogged, the refrigerator/freezer's performance will be reduced.

Check the filters at least twice a month. When clogged or when the temperature controller shows I' use warm water and a neutral cleaner to wash the filters. Don't operate the unit with the air rillers removed, or the condenser will get clogged, resulting in failure.

- 1) Open the front panel and remove the air filter. To prevent injury, don't touch the condenser fins directly.
- 2) Wash the air filter carefully with cold or warm water containing the proper amount of neutral cleaner. Rinse and dry the air filter thoroughly.
- 3) To refit the air filter, put the two tabs into the heat exchanger or fins in condenser and tightly attach the air filter over the condenser.

Control elements



Touch keys

Key	Function description
<u>a</u> set	By briefly pressing the key, you can adjust the set point or open a parameter within the parameter settings, save any value changes and leave the settings. By pressing the key for a longer time, you can call up the configuration parameters or the reset to factory settings. The longer key press will also remove the automatic key lock.
U	By briefly pressing the key, you can discard a change in the parameter settings and exit the setting. By pressing the key for a longer time, you can switch the device on and off, provided the switch-off is not prevented by the parameter "POV"=0. The longer key press will also remove the automatic key lock.



Key	Function description
△₩	By briefly pressing the key, you can increase the displayed value (set point, parameter or password input). Pressing the key for a longer time starts the manual defrosting. The longer key press will also remove the automatic key lock.
	By briefly pressing the key, you can decrease the displayed value (set point, parameter or password input). By pressing the key for a longer time, the sensor temperatures "Pb1", "Pb2" and the compressor operating time counter "Ch" are called up and deleted under "rCh". The longer key press will also remove the automatic key lock.

Display symbols

Symbol	Meaning
(1)	This symbol shows that the device is connected to the mains supply but is switched off (standby mode).
*	If this symbol lights up, the compressor is switched on. If this indicator flashes, either the temperature set point is being changed or the compressor is starting but is delayed by the controller safety settings (parameter "C0", "C1", "C2").
*	This symbol lights up constantly throughout the defrosting. If it flashes, the dripping time is running or the start of the defrosting phase has begun but is delayed by a continuous minimum compressor running time.
@	If this symbol lights up, the evaporator fan is running. If it flashes, the fan is deactivated or the start is delayed due to the parameter settings.
	If this symbol as well as the temperature indicator light up, the device is operating in energy saving mode. This indicator is purely informative (the energy saving operation cannot be manually switched on or off). If only this symbol lights up, the control panel is also in sleep mode in order to save energy from the display. You can end sleep mode by pressing any key.
2	Not used for this device
HACCP	Not used for this device
AUX	Not used for this device

Device settings

All settings are configured via the capacitive touch keys of the control panel on the front of the device. There are no function elements for the menu selection, parameter settings or sensor calibration on the back of the device.

Commissioning

The cabinet must be connected to the mains using the connection cable provided (safety plug). This is followed by testing all the display segments.

If the device was switched off before being disconnected from the mains, the device will go into standby mode after the display test. If it was switched on before being disconnected from the mains, it starts in normal operation with the most recently set temperature set point.

Switching on (from standby state)

You switch on the cabinet by pressing the ON/OFF button for approximately 4 seconds. Uflashes while it is being switched on. No display test follows.

Start defrost

In the default settings, the device starts without a start defrost. If the parameter "d4" has been changed to "1", the start defrost begins and lasts for max. the time period "d3" or ends upon reaching the temperature "d2" on the evaporator sensor. The compressor starts once the time period "C0" has elapsed at the earliest.

Key lock, sleep mode

The keys lock automatically if no key has been pressed for 30 seconds in order to prevent unintentional entries due to fleeting contact or while wiping the control panel. The abbreviation "Loc" is displayed in this case. "Loc" is also displayed when a key is touched while locked. The keypad can be unlocked by pressing any key for 4 seconds; "UnL" is displayed.

The display switches off during the energy saving function after the time period "HE3", then only

the symbol remains lit. The display switches back on when any key is pressed.

Display of set temperature (set point)

If required, the keypad can be unlocked by pressing any key for 4 seconds; "UnL" is displayed.

Briefly press the key step indicator flashes and the temperature set point is displayed. By briefly pressing again, or after 15 seconds without pressing any keys, the device returns to normal operation.

Temperature setting (changing the set point)

If required, the keypad can be unlocked by pressing any key for 4 seconds; "UnL" is displayed.

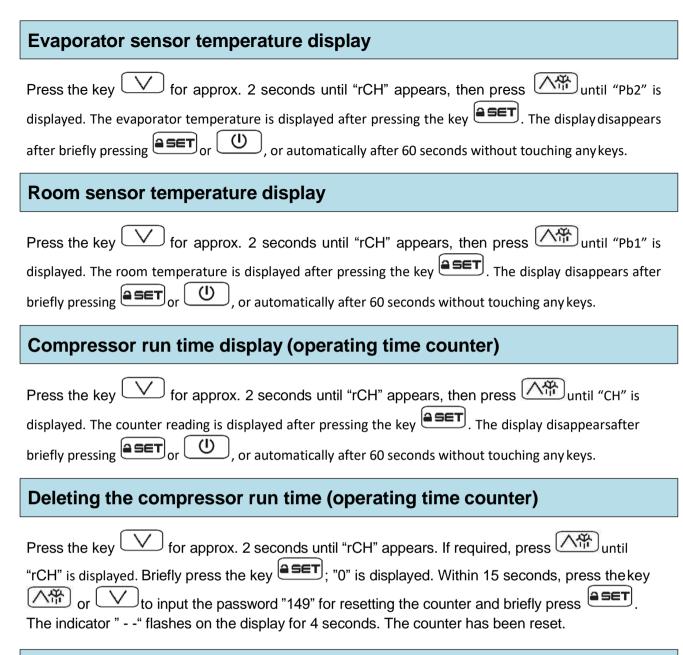
Briefly press the key step indicator flashes and the temperature set point is displayed; it can be changed via flashes and the temperature set point is parameter. You can leave and discard the change (escape) by pressing.

Switching off the device in standby mode:

You switch on the cabinet by pressing the ON/OFF button for approximately 4 seconds. Uflashes while it is being switched off. In standby mode, U is constantly lit.

Alarm and fault messages, display of the defrosting process

Indicator	Description
AL	Lower temperature alarm, parameter "A1", delay "A7"
AH	Upper temperature alarm, parameter "A4", delay "A7"
dEF	Device is undergoing the defrost process (if "D6"="2") or a reset to default factory settings
Id	Door alarm, parameter "Id", parameter "i0", "i1"
Pr1	Defective room sensor, emergency programme parameter "C4", "C5"
Pr2	Defective evaporator sensor, defrosting after time period "d3"



Setting the alarm limits

The controller does not manage separate user parameters except for the temperature set point "SP". The alarm settings are configured in the configuration parameters; see below.

Resetting to factory settings (as-delivered state of the controller)

This loads the default values (factory settings) set by the controller supplier. Please note that these do not necessarily match the as-delivered state of the cooling or refrigeration device; individual parameters may need to be adjusted.

Press and hold the key for approximately 4 seconds, and "PA" will appear on the display. Briefly press the key ; "0" is displayed. Within 15 seconds, press the key or to input the password "149" for resetting the factory settings and briefly press ."dEF" will be displayed. Briefly press the key or to set this value to "4" and briefly press again. The indicator "- - " flashes on the display for 4 seconds. The process must then be completed by restarting the device by disconnecting it from the mains. After the restart, the device will be in normal operation mode.

Reading and changing the service parameters

No other procedure can be running. Press and hold the key for 4 seconds."PA" is indicated on the display. Briefly press the key for to input the password (default value "-19") and briefly press. The first parameter "SP"(set point) is displayed.

Use the keys for to switch between the parameters and for any and for any and for save the value appears, and it can be changed using for any and for save the value and leave the parameter. You can leave and discard the change (escape) by pressing for 4 seconds."PA" is for 4 seconds."PA" is indicated in 4 secon

You can also leave the configuration parameter (while saving the changes) by pressing 4 seconds, or it happens automatically after 60 seconds if no further keys are pressed.

^{*}The password can be changed via the "PAS" parameter.

PARAMETER LIST

		К70	K140	F70	F140
P. CODE	DESCRIPTION	VALUE	VALUE	VALUE	VALUE
SP	Set point	3	3	-20	-20
CA1	Room sensor offset	0	0	0	0
CA2	Evap sensor offset	0	0	0	0
P0	Sensor type	1	1	1	1
P1	Decimal point	1	1	1	1
P2	Unit of measurement	0	0	0	0
P4	Second analog input	1	1	1	1
P5	Magnitude displayed	0	0	0	0
P8	Delay display of temp.	0	0	0	0
r0	differential	3.0	3.0	3.0	3.0
r1	Min working set point	0	0	-22	-22
r2	Max working set point	10	10	-10	-10
r4	Working set point increase	2.0	2.0	2.0	2.0
r5	Operation type	0	0	0	0
r12	Differantial type	1	1	1	1
C0	Delay switching on comp.	0	0	0	0
C2	Min comp switch off dur.	2	2	2	2
С3	Min comp swtich on time	0	0	0	0
C4	Dur. comp. Sw. Off Pr1 err	5	5	5	5
C5	Dur. comp. Sw. On Pr1 err	5	5	5	5
C6	Cond. Over heat alarm	60	60	60	60
C7	Cond. Comp shut down alarm	65	65	65	65
C8	Comp. Shut down alarm delay	1	1	1	1
d0	defrost interval	12	6	6	4
d1	Type of defrost	2	2	0	0
d2	Temperature at end of defrost	8	8	8	8
d3	Max defrost duration	60	60	60	60
d4	Defrost when device switched on	0	0	0	0
d5	Time defrost activ switch on	0	0	0	0
d6	Display temp during defrost	2	2	2	2
d7	Dripping duration	2	2	3	3
d8	Defrost activation type	0	0	0	0
d9	Evap temp. For suspend defr. interval	0	0	0	0
d11	Defrost max time reached err.	0	0	0	0
d15	Min comp sw. on time before defrost	0	0	0	0
d18	Defr. interval evap temp below d22	100	100	100	100
d19	Defrost activ. Evap temp. Below	3	3	3	3
d20	Comp. Swit. On consicu. Time for defr.	240	240	240	240

d22	Evap temperature for d18	2	2	2	2
A1	Min. room temperature alarm	10	10	10	10
A4	Max. room temperature alarm	10	10	10	10
A6	Dly max room temp. Alrm aft swit. on	99	99	99	99
A7	Delay min max temp	120	120	120	120
A8	Dly max temp alrm aftr evap fan stnstll	120	120	120	120
А9	Dly max temp alrm aftr door swt input	30	30	30	30
A11	Differential of A1 and A4	1	1	1	1
F0	Evap fan activity	3	3	3	3
F1	Evap fan switch off above temp	8	8	8	8
F2	Evap fan activity during defr. and drip	1	1	0	0
F3	Evap fan deactvtion after comp swt on	2	2	2	2
F4	Evap fan swt off during enrgy save fnc	30	30	30	30
F5	Evap fan swt on during enrgy save fnc	30	30	30	30
10	Evap fan or comp activton by door swt	2	2	2	2
ı1	Door switch activity type	1	1	1	1
12	Door switch alarm activity and delay	2	2	2	2
13	Door switch activity time	10	10	10	10
110	Door swit activity and abot enrgy sving	0	0	0	0
ı 13	Numbr of door swt act for defrost	0	0	0	0
114	Min duration of door swt for defrost	0	0	0	0
u0	2nd relay management	1	1	1	1
u2	aux input manuel activated	1	1	1	1
u4	door resistances start time	1	1	1	1
HE2	Max duration for energy saving	0	0	0	0
HE3	Energy saving func activation	0	0	0	0
POF	Key activation	1	1	1	1
PAS	Access to password	-19	-19	-19	-19

Switching the door hinge side:

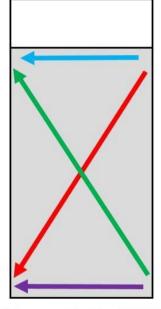
The door hinge side can be changed without additional parts. The hinge brackets are asymmetrical, so you must take special care to not get them mixed up – if in doubt, label them before making the modification.



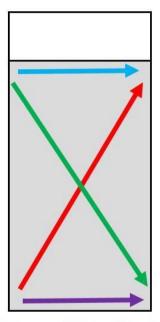
Since physical strength is required to change the door hinges on two opposite ends of the door, the door hinge change should be carried out by two suitably qualified persons for safety reasons. Otherwise, there is a risk of injury and damage to the device.

















Change from DIN right to DIN left:

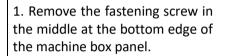
The door is turned by 180°, then the hinge brackets are moved diagonally, rotated by 180°. The doorcloser is moved from the bottom right to the bottom left; the square with M8 internal thread is moved from the top right to the top left.

Change from DIN left to DIN right:

The door is turned by 180°, then the hinge brackets are moved diagonally, rotated by 180°. The doorcloser is moved from the bottom left to the bottom right; the square with M8 internal thread is moved from the top left to the top right.

The following description applies to the modification from DIN right to DIN left. In the opposite situation, the corresponding procedure is reversed.



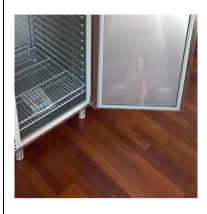




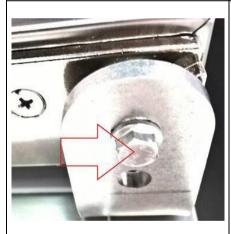
2. Fold the machine box panel upwards and secure it against folding back down using adhesive tape or similar.



Risk of injury!



3. Open the door at an angle of around 120°.



4. Remove the screw from the door closer square at the bottom right hinge. (wrench size 8 mm).



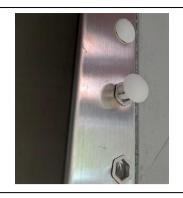
5. Remove the fastening screw (wrench size 13 mm) on the top right hinge.



6. Pull out the door under the top hinge bracket and lift it out of the lower hinge bracket.







7. Remove the door closer without turning the door closer square.

8. Move the hinges from the bottom right to the top left, and from the top right to the bottom left; PH2 screwdriver.

9. Remove the blind plugs for this.







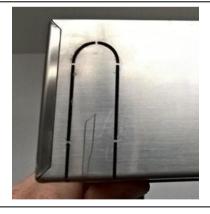
10. Move the lock fitting from the former top edge to the intended top edge of the door.

11. Place the door closer at the bottom left at an opening angle of 180°, and put the bottom left corner of the door over the door closer with the recess provided.

12. Push the top left door corner over the hinge bracket there and screw in the M8 screw.



13. Screw in the fastening screws of the door closer at the bottom left.



14. Break out the left recess at the bottom of the machine box flap.



15. Close and screw on the machine box panel.

Removing and installing the evaporator cover

It is very important that the evaporator box is tightly closed and that no air enters from the edges. For this, copper pipes and cables at the entrance of evap will be wrapped with insulation tape and insulation will be made by placing only paste on the bottom part. Likewise, putty will be placed in the water drain and insulation will be made. After closing the box; It will be checked that there is no air gap between the box and the body. The cover can be removed and reattached according to the following procedure.





















8



When a component changes in case of any malfunction in the cooling system, it is very important to change your dryer,





Measures for taking the device out of operation for long periods

- Disconnect the power plug from the socket or switch off the circuit fuse.
- Remove all foods from the cabinet.
- Clean the cabinet (see cleaning section).
- Do not fully close the door; this will prevent unpleasant odours



Warning

Please note that as soon as you disconnect the device from the mains, condensation water may drip from the cabinet onto the floor. This could damage the floor and make it slippery.

Disposal

Electrical and electronic equipment (EEE) contains materials, components and substances that could pose a threat to humans and the environment if proper disposal (WEEE) is not observed.

Products labelled with a crossed-out bin symbol belong to this group of electrical and electronic components. The crossed-out bin symbol indicates that this type of waste must not be disposed of with regular household waste, but must instead be collected and sorted separately.

If the device requires disposal, this must be carried out in a proper and environmentally friendly manner. The applicable laws and directives related to disposal must be observed.

Please ask your specialist dealer or your local authority about proper disposal.





Technical support

Technical support for resellers and service partners:

Hoshizaki Europe B.V. German branch, Hasede site Kampstr. 16 31180 Giesen Germany

E-mail: stoerung-kuehlschrank@hoshizaki.de

Telephone +49 5121 69737 - 46 / -48

Fax: +49 5121 69737 - 19

in case of emergencies (only for working service technicians): Telephone +49 5121 69737 - **99** (Johannes Ullmann)

In the event of faults, please first check if the device is connected to the mains, then check the fault indicator on the display and consult the service manual.

Ordering spare parts:

Spare parts can only be ordered **from commercial resellers** (refrigeration specialist companies, dealers, purchasing cooperatives, e.g. BÄKO) and **in writing (e-mail, fax, conventional mail)**.

E-mail: vertrieb@hoshizaki.de

Fax: +49 5121 69737 - 19

Enquiries in case of emergencies (only for working service technicians):

Telephone +49 5121 69737 - 44 (Andre Wegner)

In the event of faults, please first check if the device is connected to the mains, then check the fault indicator on the display and consult the service manual.

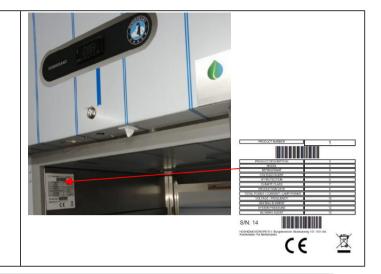
Please always note the device type, part number and serial number when making enquiries and placing orders. This information can be found on the label.

If you have a smartphone, we recommend sending us a photo of the label and, if in doubt, of the device and the defective part as well.

Technical data:

Placement of the label: PRODUCT DESCRIPTION LABEL

1 Product Number	
2 Product Description	
3 Model	
4 Refrigerant (GWP)	
5 CO2 Equivalent	
6 IP Protection	
7 Climate Class	
8 Production Date	
9 Total power / Current / Lamp pow	/er
10 Voltage - Frequency	
11 Heating Element	
12 System Pressure	
13 Blowing Agent	
14 Serial Number	



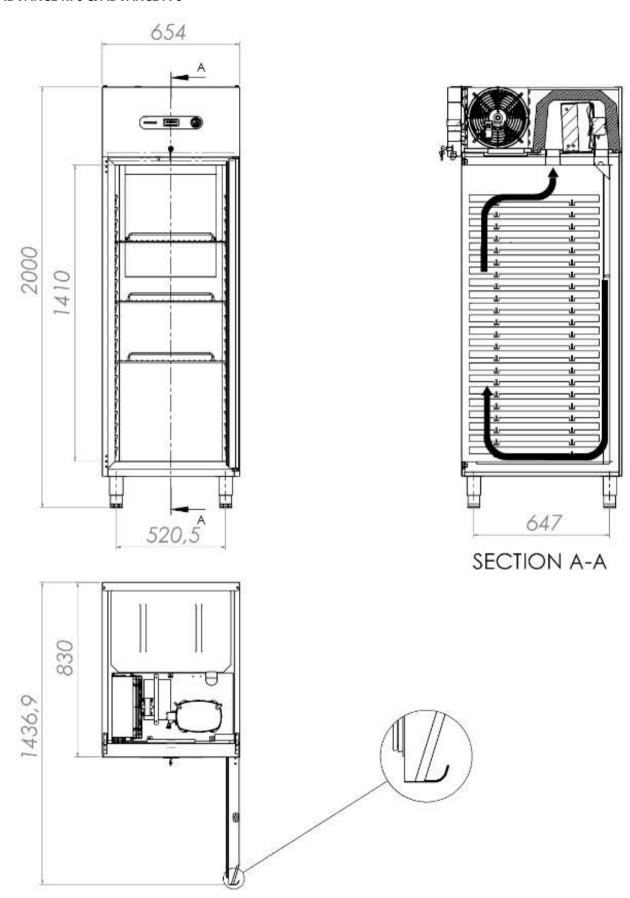
Technical data:

Trade mark			HOSHIZAKI			
Model name		Advance K70	Advance K140	Advance F70	Advance F140	
Intended use			Storage	Storage	Storage	Storage
Chilled operating temperature			Х	X		
Frozen operating temperature					Х	Х
Multiuse cabinet						
Vertical cabinet			Х	Х	Х	Х
Counter cabinet						
Parameter	Symbol	Unit				
Energy Efficiency Class	EEC	-	С	С	D	D
Energy Efficiency Index	EEI	-	42,41	48.32	61,31	71.65
24 hour Energy Consumption	E24h	kWh	1.50	2.54	5.949	10.60
Annual Energy Consumption	AEC	kWh	547.5	926	2171.3	3869
Net volume for compartment 1	Vn or Vn1	litre	415	398	420	398
Net volume for compartment 2	Vn2	litre	-	398	-	398
Net volume for compartment 3	Vn3	litre	-	-	-	
Net volume for compartment 4	Vn4	litre	-	-	-	
Total Net volume	VnT	litre	415	797	420	797
Climate Class	СС		5	5	5	5
Refrigerant			R290	R290	R290	R290
Charge		kg	0.058	0.085	0.082	0.105
GWP			3	3	3	3
CO2 Equivalent		t. CO2				
Heavy-duty; This appliance is intended for use in ambient temperatures up to 40°C			Х	х	Х	Х
Contact details:	HOSHIZAKI E	UROPE B.	J.			
	Address: Bur Amsterdam, Tel.: +31 (0)2	The Nethe		l 1101 AA	http://hoshizaki.e	europe.com/



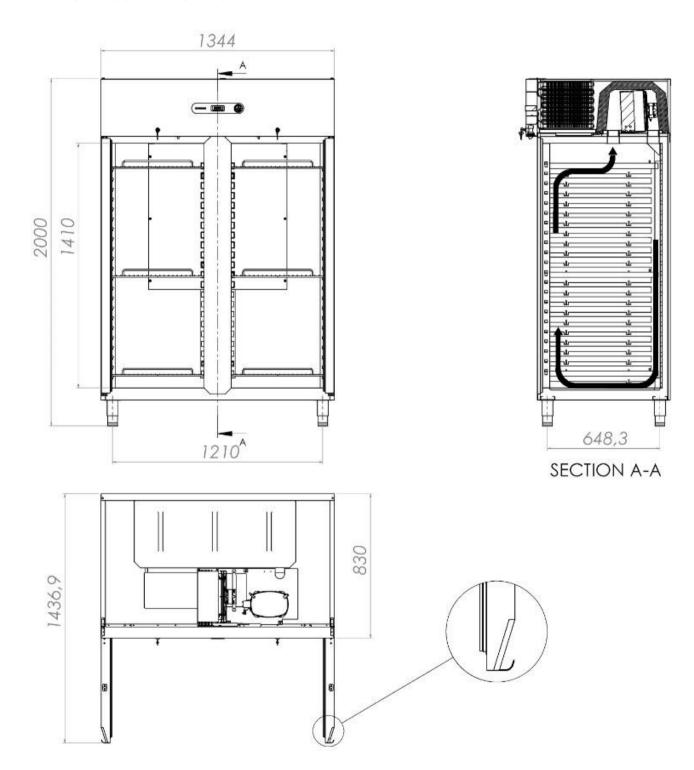
Dimensions

ADVANCE K70 & ADVANCE F70

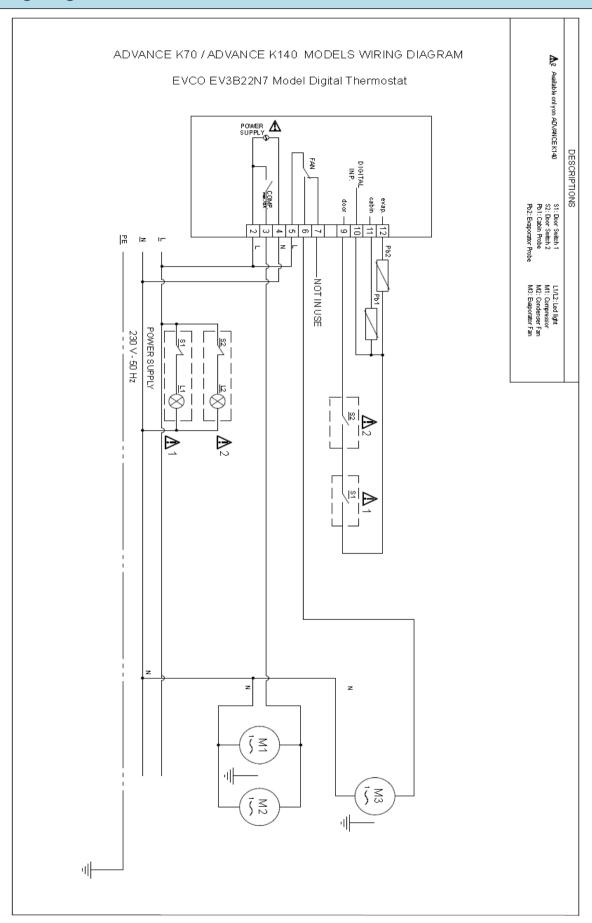


Dimensions

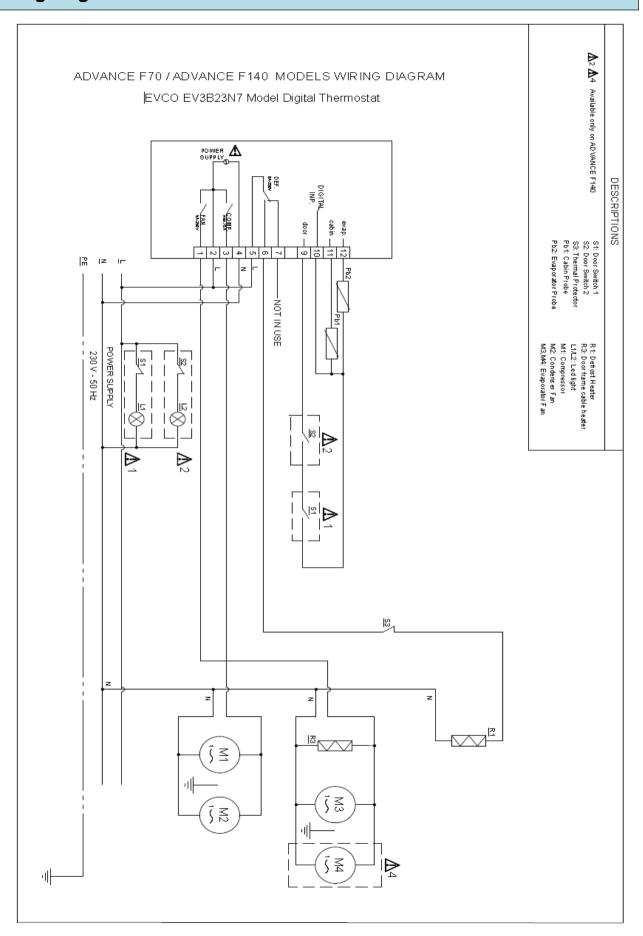
ADVANCE K140 & ADVANCE F140



Wiring diagram

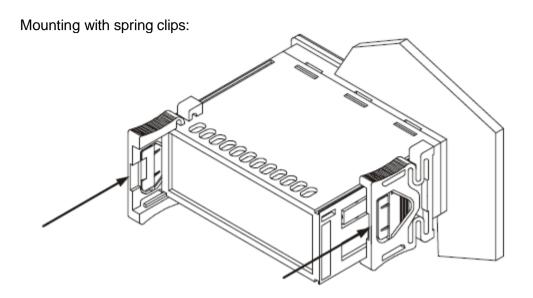


Wiring diagram



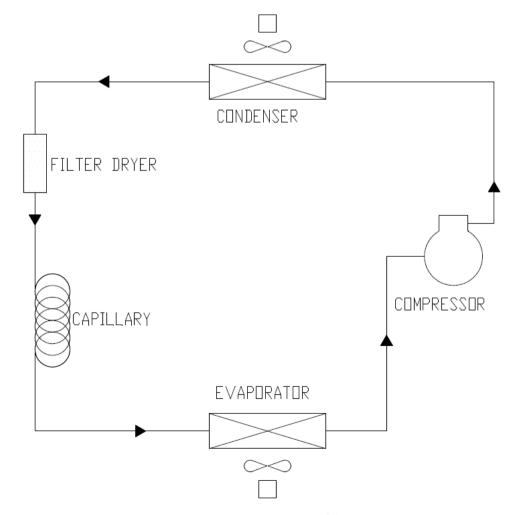


Mounting and connecting the controller



Cooling system

Standard cooling system



EU Declaration of Conformity SUR / SUF - EG



HOSHIZAKI EUROPE B.V.

C € EC DECLARATION OF CONFORMITY

Manufacturer : ÖZTİRYAKİLER MADENİ EŞYA SAN. VE TIC. A. Ş.

Address : Cumhuriyet Mah. Eski Hadımköy Yolu Cad. No:8, Büyükçekmece / İstanbul – TURKEY

Phone : +90 212 886 78 00

We declare under our responsibility that the product(s):

Product Name:	Model No:	
Upright refrigerated cabinet type	ADVANCE K70 and ADVANCE K140	
Upright freezer cabinet type	ADVANCE F70 and ADVANCE F140	

Brand Name : HOSHIZAKI / GRAM

To which this declaration relates is

in conformity with the following standard(s) or other normative document(s):

Directives/Regulations:

2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive 2006/42/EC Machinery Directive 2015/1095/EC Eco Design Regulation 2009/125/EC Eco design of energy-related products

2011/10/EC FCM directive

2015/863/EU RoHS Directive (amending Annex II to directive EU-2011/65/EU)

Harmonized Standards:

EN 12100:2011

EN/ISO 22041:2019

IEC 60335-1:2010, AMD1:2013, AMD2:2016

IEC 60335-2-89:2019

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+ A14:2019+A2:2019

EN 60335-2-89:2010+A1:2016+A2:2017 EN 62233:2008

CISPR14-1:2020, CISPR14-2:2020

IEC 61000-3-2:2018+AMD1:2020

IEC 61000-3-3:2013+AMD1:2017

Safety EMC :IEC 60335-1:2020

Authorized Representative located within the Community: Hoshizaki Europe B.V. Address: Burgemeester Stramanweg 101, 1101 AA Amsterdam, The Netherlands

Amsterdam, 1 June 2022

Place and date of issue

Kazuya Jinno (Managing Director)

Hoshizaki Europe B.V.

Burgemeester Stramanweg 101 | 1101 AA Amsterdam | The Netherlands Tel. +31 (0)20 6918499 | Fax +31 (0)20 6918768 | www.hoshizaki-europe.com

Our Terms and Egoditions Iwww.hostscaki-isurops.com



UKCA Declaration of Conformity SUR / SUF -EG



UK CONFORMITY ASSESSED

Manufacturer : ÖZTİRYAKİLER MADENİ EŞYASAN, VETIC, A.Ş.

Address : Cumhuriyet Mah. Eski Hadımköy Yolu Cad. No:8, Büyükçekmece/İstanbul – TURKEY

Phone :+90 212 886 78 00

We declare under our responsibility that the product(s):

Product Name:	Model No:
Upright refrigerated cabinet type	ADVANCE K70 and ADVANCE K140
Upright freezer cabinet type	ADVANCE F70ard ADVANCE F140

Brand Name : HOSHIZAKI / GRAMI

To which this declaration relates is in conformity with the following standard(s) or other normative document(s):

Directives/Regulations:

2014/35/EU Low Voltage Directive

2014/30/EU Electromagnetic Compatibility Directive

2006/42/BC Machinery Directive

2015/1095/BC Eco Design Regulation

2009/125/EC Eco design of energy-related products

2011/10/EC PCM directive

2015/863/EU Ro HS Directive (amending Annex II to directive EU-2011/65/EU)

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IEC 60335-1:2010, AMD1:2013, AMD2:2016

IEC 60335-2-89:2019

EN60335-1:2012+A11:2014+A13:2017+A1:2019+ A14:2019+A2:2019

EN60335-2-89:2010+A1:2016+A2:2017 EN62233:2008

CISPR14-1:2020, CISPR14-2:2020 IEC 61:000-3-2:2018+AMID1:2020 IEC 61:000-3-3:2013+AMID1:2017 Safety EMC:IEC 60335-1:2020

UK Authorized Representative: Hoshiz aki Europe B.V.

Address: The Technology Centre London Road, Swanley, Kent BR8 7AG, The United Kingdom

Swanley, 1 June 2022 Signature:

Place and date of issue Simon Frost

Branch Manager UK and Ireland, Hoshizaki Europe B.V

Hoshizaki Europe B.V.

Burgemeester Stramanweg 101 | 1101 AA Amsterdam | The Netherlands Tel. +31 (0)20 6918 499 | Fax +31 (0)20 6918768 | www.hoshizaki-europe.com

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