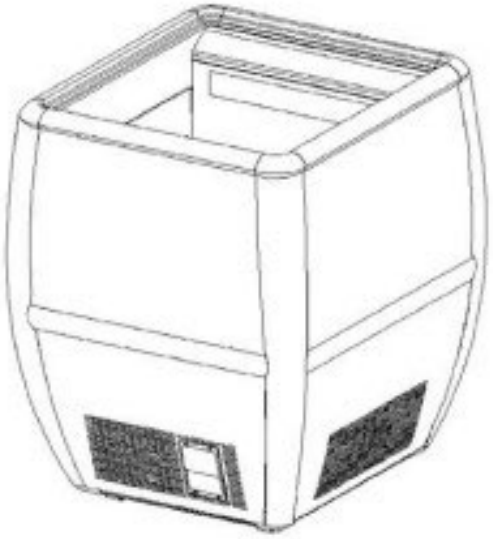
Open Top Cooler
Operating Instructions

Refrigerant R290



1 Proper use

The refrigerated and frozen food cabinet described in this operating manual is intended for storing snacks , cold drinks , dairy products and frozen foods or ice cream.

Do not load the cabinet with non-frozen products and do not try to freeze products in the case.

Proper use only means the use as described above, adhering to the specifications on installation, connection, operation and service. Any other use is regarded as being contrary to specification and is prohibited.

 To avoid any damage during the transport or the installation, never tilt the cabinet more than 50°.

2 Safety regulation

 Warming: Keep ventilation openings in the appliance enclosure or in the structure clear of obstruction.

 Warning: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

 Warming: Do not damage the refrigerant circuit.

 If the cabinet is filled with refrigerant
Propane (R290) please read carefully the attached Safety Instructions. The type of refrigerant is documented in the cabinet's type plate.

 Refrigerating units operating on Propane (R290) may not be placed in an area with sources of ignition (e.g. Unsealed electrical contacts) or where the refrigerant could gather in the event of a leak. The type of refrigerant is indicated on the cabinet's type plate.

3 Safety regulation

 The plug-in refrigerated cabinets as described in this operating manual are designed and manufactured in compliance with the international safety regulations.

Like any electrical appliance, it must be handled with all due care, particularly with consideration to ensuring electrical safety.

To ensure safe operation in all service conditions, the following safety precautions must be observed:

●The device may not be used by persons with limited physical, sensory or mental skills and /or with no experience and /or knowledge.

●Never connect the cabinet to the power supply if it is damaged (in transit or otherwise).When in doubt, contact your Service Organization or dealer.

●Contact your Service Organization if you are in any doubt about electrical connection, working or safety of your plug-in refrigerated cabinet.

●The power plug must be connected in regulation matter and the electrical power supply must be as indicated on the type plate.

●Never work by yourself on electrical equipment.

●Electronic and electrical elements (e.g. damaged cable) may only be replaced by a qualified electrician or person with experience in electrical engineering!
Safety first!

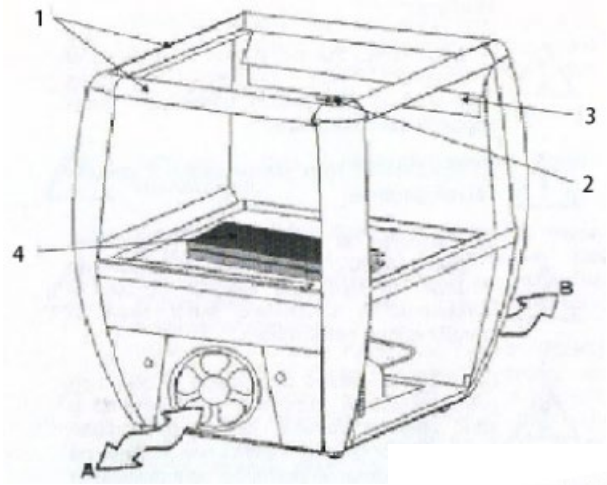
●If any damage occurs to the power cable, pull the plug to disconnect the cabinet. Please make sure that the cabinet can't be switched on again. Call your local Service Organization.

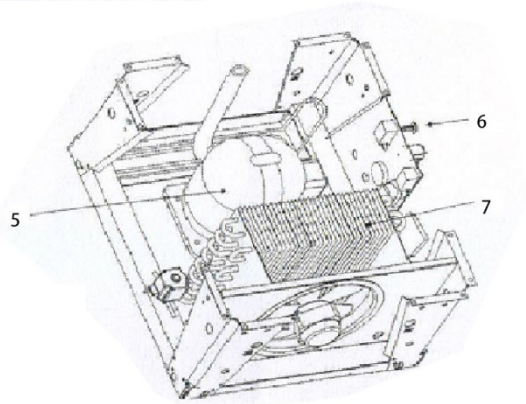
●Damaged fluorescent tubes, starters and/or tube covers must be replaced immediately.
Contact your local Service Organization.

●When disconnecting the power plug, always pull on the plug itself and never the cable.

●Remove the cabinet from use if it is not working properly or exhibits any damage. Disconnect the power plug. Transfer the merchandise to other cabinets or a cold-room and call your local Service Organization.

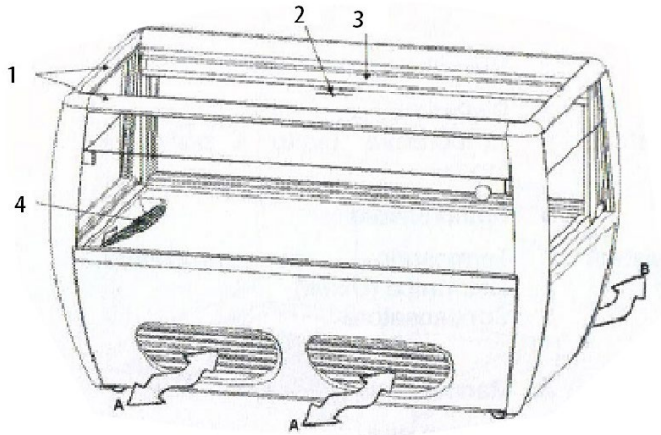
4 General view KTSH809

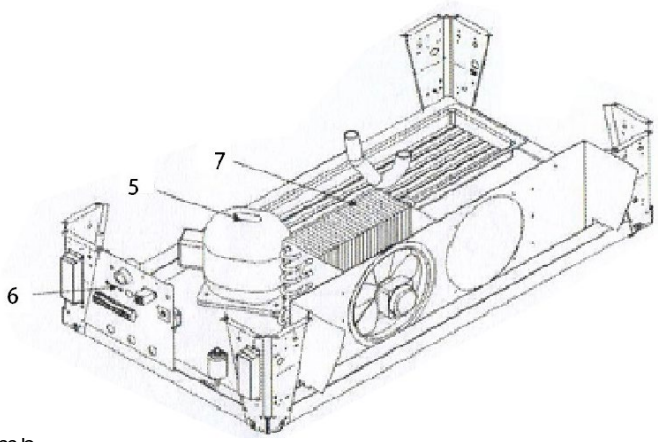




1 Handle
2 Load limit line
3 Air baffle honey comb
4 Evaporator (under base plate)
5 Compressor
6 Thermostat or electronic controller (Dixell)
7 Condenser
A Cooling air intake
B Air outlet

General view STP1309





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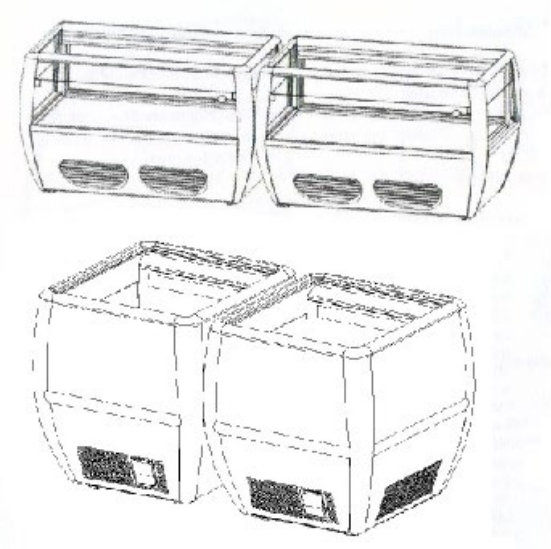

5 Installation

5.1 Single-row line-up

When cabinets are installed side by side, no distance is required between the end walls of the refrigerated cabinets under normal ambient conditions.

5.2 Group installation, back to back

When two STP1309 cabinets are installed back to back, this can be done without a distance between the rear walls.

5.3 Requirements for electrical connection

The cabinet is connected by inserting the power plug in a socket.

The cabinet must not be plugged into a multiple outlet power strip.
The socket employed must be firmly installed, properly earthed and separately fuse-protected by a 10A-circuit breaker, type C.
Supply voltage and frequency of the socket must be in accordance with the data shown on the type plate of the cabinet. Therefore, the cross-section of the wires must be increased, if necessary, for long wires to the socket. The local utility company's regulations on the power connection (e.g. earth-fault protection, additional equipment bonding, remote control switch etc.) must be observed.
If in doubt, consult a qualified electrician.

STOP Run the power cables so that they are protected from risk of damage and there is no risk of tripping.

Please don't drill in the outer or inner of the cabinet. This might damage the refrigeration circuit.

If necessary, put the plugs of electrically operated accessories (e.g. the display superstructure) into separately secured sockets.

The power cable may not come into contact with parts over 75°C.

6 Starting

6.1 Measures prior to Starting

If the cabinet has been sharply tilted while being sited or for mounting of accessories, it must be left to stand for at least three hours before being started to allow the lubricating oil to settle in the compressor !
Failure to do so can cause total destruction of the compressor refrigerating system.

6.2 Setting into operation

Start the cabinet only if it has been installed as described.

● Plug power plug (1-1) in socket (1-2).

When selecting the socket, observe the requirements stated in section 4.7. The cabinet must not be plugged into a multiple-outlet power strip.

●Switch on remote control switch if provided.
Starting is signaled by the low running noise of fans and refrigeration system.

Customer should close the lids properly. If not, condensation might happen.

7 Specifications

Type		KTSH809	STP1309
Length	[mm]	775	925
Width	[mm]	850	1509
Height	[mm]	920	920
Display area	[m²]	0.38	1.0
Useful capacity	[l]	125	328
Weight	[kg]	100	185
Energy consumption	[kWh/24h]	5.0	13.5
Power consumption (refrigeration)	[w]	275	600
Power consumption (defrosting)		275	700
Fusing, (slow)	[A]	10	
Operating voltage	[V/Hz]	230/50	
No. of defrosts	[min./24h]	6x20	6x20
Storage temperature	[°C]	+2...+8	+2...+8
Refrigerant	R290 [kg]	0.07	0.07
Max. loading capacity of shelves	[kg]	72	178
Noise level	dB(A)	＜70	

8 Troubleshooting

Any trouble occurring might be due to a minor problem that you can correct yourself following the instructions below. Do not try any further action if the pointers given cannot solve the problem!

Repairs on the cabinet must be made only by qualified specialists. Incompetent repair work can cause serious personal danger, contract your Service Organization for any repairs needed.

Trouble	Possible cause	Corrective measures
The cabinet does not work (no audible running noise or only fan noise audible.)	Automatic evaporator defrosting active or electronic controller switched off. Power plug not connected or remote control switch (where provided) switched off. Fuse blown, power plug or socket defective. Condenser fins fouled.	Nor required, as cooling will switch on automatically again. ● Insert power plug properly in or switch remote control switch on. ● Contact your electrician or the Service Organization. ● Perform maintenance.
Cabinet stops running after short operation.	Condenser fins fouled.	● Perform maintenance.
Storage temperature is too high.	Automatic evaporator defrosting active. Ambient temperature too high or electronic controller misadjusted. The warm air outlet or another cabinet is directly taken in as air	Not required, temporary minor temperature rise during defrosting is normal. ● Avoid extreme operating environment, readjust storage temperature. ● Observe single-row line-up and group installation.

	intake. Ventilation slots blocked or covered. Lack of air intake due to obstruction of air intake grill. Condenser fins fouled.	● Keep ventilation slots free. ● Remove any obstacles in the air intake area. ● Perform maintenance.
Storage temperature is too low.	Incorrect adjustment	● Adjust storage temperature in small increments.
Formation of odor in the cabinet.	Drip water gutter under base plate fouled.	● Clean.
Condensation on the sliding glass lids.	Wrong close of the sliding lids.	● Close the lids properly.