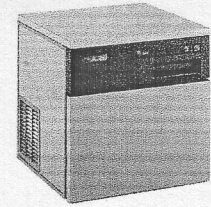




Datasheet – K20 Ice Makers

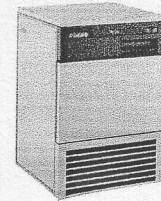


Specifications

Ice Production	24KG/24HOURS 3500 CUBES / 24 HOURS 60-70 Cubes Approx. Per Cycle
Cube Size Thickness (Variable)	29 X 29MM 10 – 12MM
Storage bin capacity	10KG
Length of cycle	17MINS 1 ST CYCLE WILL TAKE UPTO 45MINS DEPENDENT ON WATER TEMP
Ventilation	BOTHSIDES REQUIRE VENTILATION 50mm Min. Clearance each side
Condenser	AIRCOOLED
Ambient Range	13°C to 43°C
Voltage	240volts 50hz
Connection	13amp Plug
Dimensions (HxWxD)	590 x 555 x 535
Weight	38kg
Can be built in?	NO
Drain Connection	30mm
Water Connection	¾ BSP
Compressor	ASPIRA COMPRESSOR NB1116Z
Gas Charge	0.17kg R134a
Electrical Loading	400Watts
Features	Stainless Steel Finish Crystal Clear Ice Removable Door, Aids Cleaning & Hygiene Insulated Polypropylene Storage Bin Adjustable Ice Thickness Adjustable Bin Thermostat



Datasheet – K40 Ice Makers



Specifications

Ice Production	40KG/24HOURS 5600 CUBES / 24 HOURS 60-70 Cubes Approx. Per Cycle
Cube Size Thickness (Variable)	29 X 29MM 10 – 12MM
Storage bin capacity	20KG
Length of cycle	17MINS 1 ST CYCLE WILL TAKE UPTO 45MINS DEPENDENT ON WATER TEMP
Ventilation	FRONT VENTILATION
Condenser	AIRCOOLED
Ambient Range	13°C to 43°C
Voltage	240volts 50hz
Connection	13amp Plug
Dimensions (HxWxD)	850 x 555 x 535
Weight	46kg
Can be built in?	YES
Drain Connection	30mm
Water Connection	¾ BSP
Compressor	ASPIRA COMPRESSOR NE5187Z
Gas Charge	0.22kg R134a
Electrical Loading	450Watts
Features Stainless Steel Finish Crystal Clear Ice Removable Door, Aids Cleaning & Hygiene Insulated Polypropylene Storage Bin Adjustable Ice Thickness Adjustable Bin Thermostat	



K20/K40

ICE MAKER MAINTENANCE

Always pull out the plug and turn off the water supply before doing any work (cleaning or repair) on the unit. Periodically clean the appliance (every 6 months) and the water system, to keep the appliance operating at maximum efficiency and to ensure the best ice cube quality. When the ice cube production time is increased, and the cubes start to lose their transparency, it is time to clean the water system. How often you clean the system depends on the hardness of the water. During freezing, the calcium in the water is deposited on the refrigerant plate. These deposits act as insulation, decreasing the efficiency of the appliance's performance.

HOW TO CLEAN THE WHIRLPOOL ICEMAKERS:

- 1) Turn off the water and switch off the appliance by pressing the green switch.
- 2) Open the ice bin and remove all the cubes.
- 3) Remove the plug or the drain hose (if provided) inside the bin.
- 4) Pour 1.5l of water mixed with 1/10 litre of vinegar or 4 tablespoons of lemon juice or citric acid into the bin using the funnel provided.
- 5) Press the two switches (green and blue) and operate the appliance for 40 minutes approx.
- 6) Release the two switches (green and blue) and drain this water mixture into the liner by inverting the position of the funnel.
- 7) Pour 1.5l water and 2 tablespoonful of baking soda into the bin, press the two switches (green and blue) and operate the appliance for 5 minutes approx.
- 8) Drain the water and repeat the operation, by rinsing with 1.5l of water and leaving the appliance operating for 5 minutes.
- 9) Remove the funnel with the hose after the water drain and replace the plug or the drain hose.
- 10) Clean the inside of the bin reservoir and the door gasket with a soft cloth dampened in a solution of warm water and baking soda.
- 11) Press the green switch and turn the water on: the ice maker will begin to work again.

We recommend you ask the intervention of a qualified technician to clean periodically (once a year) the condenser and the motor compartment.

Important:

To prevent odour contamination of the ice cubes, do not put foods or beverages into the ice cube bin. When not in use for long periods of time (holidays, etc.) turn off the water, pull out the plug, remove all ice cubes, drain the water tank by removing the plug or the drain hose and leave the door open to prevent the formation of odours.



K20/K40

ADJUSTING THE ICE CUBE THICKNESS

Ice cube thickness is pre-set at the factory. The thickness can be increased or decreased by turning the thermostat knob with a screwdriver. Turning the knob clockwise increases the thickness, turning it anti-clockwise decreases the thickness. By means of the thermostat knob it is possible to adjust the variations due to the ambient temperature, when it is higher than 32°C and lower than 10°C.

- Never turn the thermostat knob outside the field indicated on the dial.
- Adjust the ice thickness thermostat only after a few hours operation and only after the bin has half-filled with ice cubes.
- Non-observance of the thermostat setting rule could result in damage to the ice maker, especially if the thermostat knob is left on a low setting in a high room temperature.

In this case the ice could become so thick the ice will not cut. On the other hand, the ice thickness could be reduced to a minimum or none at all.



K20/K40

ADJUSTING THE BIN THERMOSTAT

The thermostat is pre-set at the factory.

However, if the ambient temperature is higher than + 32°C it is necessary to adjust the thermostat knob to position (Sun Symbol = Hot), if the ambient temperature is lower than +16°C, it will be necessary to adjust the thermostat knob to position (Snowflake = Cold).

Whirlpool K20/K40 Fault finding Guide

Symptoms

Possible cause

Machine doesn't run when plugged in

Mains fuse blown
On/Off switch faulty
Clean switch faulty
Bin thermostat faulty-open circuit
Machine is off on Bin Stat, may need adjusting

Evaporator freezing but no water running over evaporator

Mains water tap turned off
Water inlet valve faulty
Water pump impellor cover loose
Water pump seized/open circuit
Hot gas coil open circuit

Ice bin full of water with little or no ice and water leaks from front of machine

Drain hose kinked or blocked
Drain hole in ice bin blocked
Dirty evaporator holding ice back when pump restarts
Incorrectly installed drains
Water pressure too high
Water inlet valve restrictor blown out

Machine doesn't make ice fast enough

Condenser blocked
Water inlet valve leaking through
Dirty Evaporator/spray arm
Lack of adequate ventilation
Ambient temperature too low or too high
Short of Refrigerant gas

Ice too thick

Ice thickness thermostat set too high
Ice thickness thermostat faulty
Condenser blocked
Inadequate ventilation
Dirty evaporator
Hot gas coil open circuit
Condenser fan motor faulty
**Microswitch activator above cutter grid sticking
**Cutter Grid faulty

****K40 Model only**

Ice too thin

Dirty evaporator/spray arm
Blocked water inlet filter(causing water starvation)
Ambient temperature too low
Splash guard sticking
Drain blocked or slow drain
Water pressure too high
Water inlet valve restrictor blown out
Short of refrigerant gas

Symptoms

Possible cause

Water pours into ice bin

Rubber Bung missing from water reservoir
Dirty evaporator
Cutter grid out of position
Cutter grid faulty/transformer faulty/fuse blown
Water inlet valve restrictor blown out

**Ice sticks together in the ice bin
and can be white in colour**

Dirty evaporator/spray arm
Ambient temperature too low
Hard water(fit water softener)
Hot gas valve seeping through causing slush to form
**Evaporator base flap missing

**K40 model only

**Machine will not go into defrost
when ice thickness stat is turned
fully anti-clockwise**

Hot gas coil open circuit
Water inlet valve open circuit
**Microswitch actuator sticking above cutter grid

**Condenser fan motor turns slowly on
defrost**

Fan motor windings resistance incorrect, should be
261 ohms
Hot gas coil resistance incorrect, should be
1.33 kohms
Water inlet valve resistance incorrect, should be
4.07 Kohms

Machine uses too much water

Ambient temperature too low
Dirty evaporator
Water inlet valve restrictor blown out
Water inlet valve seeping through
Incorrect water inlet valve fitted
Water pressure too high

Machine doesn't defrost long enough

Ambient temperature too low
Dirty evaporator
Short of refrigerant gas
Ice thickness stat fitted incorrectly
Sheath missing from ice thickness stat
Ice thickness stat faulty

Machine runs but not freezing

Condenser fan motor faulty/jammed up
Water inlet valve stuck open
Hot gas valve leaking through(a tap may close it)
Short of refrigerant gas
Blockage in refrigerant system
Compressor electrics/compressor faulty