

Window Wall (Mechanical) Room Air Conditioner User Manual

> KWH15CMC Refrigerant R410A



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# Read This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review the chart of Troubleshooting Tips first, you may not need to call for service at all.

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- Contact the authorised service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or infirmed persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- This air conditioner should be installed in accordance with AS/NZS 3000:2000 and your electricity suppliers' rules.
- There are local council rules regarding maximum allowable noise levels emitted by air conditioners.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring standards by authorised personnel only. Wrong connection can cause over heating or fire.

# ⚠ Conditions of use

This appliance is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices and other working environments
- Farm houses
- By clients in hotels, motels, and other residential type environments
- Bed and breakfast type environments

# **Safety Precautions**

To prevent injury to the user or other people and property damage, the following instructions must be followed.

Incorrect operation due to ignoring of instructions may cause harm or damage. The seriousness is classified by the following indications.

	This symbol indicates the possibility of death or serious injury.		
	This symbol indicates the possibility of injury or damage to property.		
Meanings of symbols	used in this manual are as shown below.		
$\bigcirc$	Never do this.		
0	Always do this.		
⑦Plug in power plug properly.	⊗Do not operate or stop the unit by inserting or pulling out the power plug. ⊗ Do not damage or use an unspecified power cord.		
<ul> <li>Otherwise, it may cause of shock or fire due to excest generation.</li> </ul>			
Do not modify power length or share the o with other appliances	utlet hands or in damp room occupants only.		
<ul> <li>It may cause electric short fire due to heat generation</li> </ul>			
①Always ensure effect earthing.	ive ⊗Do not allow water to run into electric parts. ⊗ Always install circuit breaker and a dedicated power circuit.		
<ul> <li>Incorrect earthing may ca electric shock.</li> </ul>	<ul> <li>It may cause failure of machine or electric shock.</li> <li>Incorrect installation may cause fire and electric shock.</li> </ul>		
OUnplug the unit if str sounds, smell, or sm comes from it.			
<ul> <li>It may cause fire and elec shock.</li> </ul>	<ul> <li>It may cause fire and electric</li> <li>It may cause electric shock.</li> </ul>		
<sup>⊕</sup> Keep firearms away.	ODo not use the power cord close to heating appliances. O Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.		
It may cause fire.	<ul> <li>It may cause fire and electric shock.</li> <li>It may cause an explosion or fire.</li> </ul>		
Oventilate room before conditioner if there is another appliance.			
• It may cause explosion, f	• It may cause failure and electric shock.		

So When the air filter is to be removed, do not touch the metal parts of the unit.	O Do not clean the air conditioner with water.	<ul> <li>Ventilate the room well when used together with a stove, etc.</li> </ul>
● It may cause an injury.	<ul> <li>Water may enter the unit and degrade the insulation. It may cause an electric shock.</li> </ul>	<ul> <li>An oxygen shortage may occur</li> </ul>
<sup>①</sup> When the unit is to be cleaned, switch off, and turn off the circuit breaker.	♥ Do not put a pet or house plant where it will be exposed to direct air flow.	O not use for special purposes.
<ul> <li>Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.</li> </ul>	<ul> <li>This could injure the pet or plant.</li> </ul>	<ul> <li>Do not use this air conditioner to preserve precision devices, food pets, plants, and art objects. It may cause deterioration of quality, etc.</li> </ul>
<sup>①</sup> Stop operation and close the window in storm or hurricane.	<sup>①</sup> Hold the plug by the head of the power plug when taking it out.	① Turn off the main power switch when not using the unit for a long time.
<ul> <li>Operation with windows opened may cause wetting of indoor and soaking of household furniture.</li> </ul>	<ul> <li>It may cause electric shock and damage.</li> </ul>	<ul> <li>It may cause failure of product or fire.</li> </ul>
O Do not place obstacles around air-inlets or inside of air-outlet.	D Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure.	O Always insert the filters securely. Clean filter once every two weeks.
<ul> <li>It may cause failure of appliance or accident.</li> </ul>	<ul> <li>If bracket is damaged, there is concern of damage due to falling of unit.</li> </ul>	<ul> <li>Operation without filters may cause failure.</li> </ul>
So not use strong deter- gent such as wax or thinner but use a soft cloth.	Do not place heavy object on the power cord and ensure that the cord is not compressed.	Do not drink water drained from air conditioner.
<ul> <li>Appearance may be deteriorated due to change of product color or scratching of its surface.</li> </ul>	<ul> <li>There is danger of fire or electric shock.</li> </ul>	<ul> <li>It contains contaminants and could make you sick.</li> </ul>
<sup>①</sup> Use caution when unpacking installing.	outlet and swite	the unit, turn the unit off at the power ch off the circuit breaker. Isolate g the power-plug out and contact a te technician.

#### Safety Precautions

### **Prior to Operation**

### **Preparing for operation**

- 1. Contact an installation specialist for installation.
- 2. Plug in the power plug properly.
- 3. Do not use a damaged or non-standard power cord.
- 4. Do not share the same outlet with other appliances.
- 5. Do not use an extension cord.
- 6. Do not start/stop operation by plugging/unplugging the power cord.

### Usage

- 1. Exposure to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
- 2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- 3. Do not use this air conditioner for non-specified special purposes (e.g. Preserving precision devices, food, pets, plants, and art objects). Usage in such a manner could harm such property.

### Cleaning and maintenance

- 1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- 2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- 3. When cleaning the unit, first make sure that the power and circuit breaker are turned off.

### Service

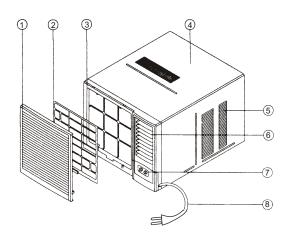
For repair and maintenance, contact your authorised service dealer.

## Operating Temperature

COOLING MODE				HEATIN	G MODE		
INDOOR		OUTDOOR		INDC	OR	OUTD	OOR
MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
32°C	17°C	43°C	17°C	27°C	10°C	24°C	1°C

Note: Performance may be reduced outside of these operating temperatures.

# UNIT PARTS IDENTIFICATION



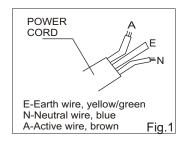
- 1. Front panel
- 2. Air filter
- 3. Frame
- 4. Cabinet
- 5. Air inlet grille (outdoor side)
- 6. Air outlet grille
- 7. Operation knob
- 8. Power supply cord and plug

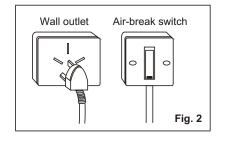


#### ELECTRICAL WORK

ACCESSORIES

- 1. Power cord conductors are distinguished according to colour as follows (see Fig.1)
- For your safety and protection, this unit is earthed through the power cord (see Fig.2) Please contact the manufacturer or its service agent or a similar qualified person if you want to replace it.
- 3. Be sure that the unit being correctly grounded. The wall outlet (Air-break switch)should be provided with reliable earth wire.
- 4. The unit should be provided with an individual circuit and the circuit breaker/fuse rating should be the same as that of the power cord and wall outlet.

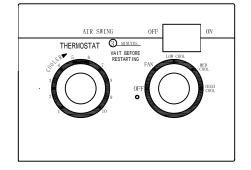




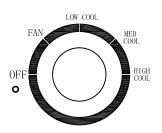
# AIR CONDITIONER FEATURES

The Operation Panel of your unit will look like one of the follow:

#### **Cooling Only Models**







The controls featured in this manual are representative of many available models. Your model may offer slightly different features.

#### **Cool Mode**

The desired cool setting is selected by rotating the knob to the right to the appropriate location.

- "HIGH COOL" has maximum cooling effect and airflow.
- "MED COOL" has Medium cooling effect and air flow
- "LOW COOL" has minimum cooling effect and airflow.
- "OFF" will completely shut off the unit.

"**FAN**" Permits HIGH/LOW fan speed operation without cooling(heating).

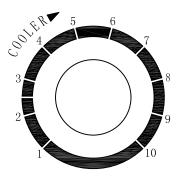
**Note:** When selecting a fan speed, the compressor will not run.



When turning the SELECTOR knob from "LOW COOL" to "HIGH COOL", keep your speed slow as far as possible. Do not change the operation mode between "LOW COOL" and "HIGH COOL" too often.

#### THERMOSTAT

#### THERMOSTAT



**Cooling Only Models** 

The thermostat is used to set the desired room temperature when the unit is being operated in the COOL MODE.

To set the desired room temperature, rotate the thermostat switch to the desired setting. After the set temperature is achieved the thermostat will automatically start and stop the compressor in order to maintain the desired set temperature.

Rotate the thermostat selector clockwise for higher cool settings. Higher cool settings will provide lower room temperature. Rotate the thermostat selector counter clockwise for lower cool settings. Lower cool settings will provide higher room temperature.

**NOTE:** During the cooling operation of the unit, when the thermostat knob is rotated clockwise, allow at least three minutes before turning back the knob to the"**COOLER**" direction. Otherwise the fuse may blow due to an overload of the unit.

#### Thermostat

The thermostat is used to set the desired room temperature when the unit is being operated in the COOL MODE.

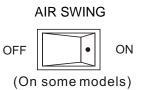
To set the desired room temperature, rotate the thermostat switch to the desired setting. The temperature you are setting gets higher from "5" to "1", lower from "6" to "10". After the set temperature is achieved, the thermostat will automatically start and stop the compressor in order to maintain the desired set temperature. **NOTE:** During the cooling operation of the unit, when the thermostat knob is rotated clockwise, allow at least three minutes before turning back the knob to the "**COOLER**" direction. Otherwise the fuse may blow due to an overload of the unit.

## **ADJUST AIR FLOW DIRECTION**

#### Horizontal air flow adjustment

For the units with AUTO SWING feature(automatically):





When the AIR SWING switch is turned to "ON" position, the vertical louvers automatically oscillate right and left sweeping the cold air alternately to obtain comfortable cooling. The vertical louvers may be stopped at any position when the AIR SWING switch is turned "OFF".

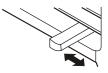
#### Vertical air flow adjustment (manually)



To adjust vertical air flow direction, adjust any one of the horizontal louver blades. When turning up or down the horizontal louver blades, always keep horizontality the top or bottom blades. This can effectively prevent water drops condensed on the front panel of the unit.

#### Vent Control

The vent control is located above the control knobs. For maximum cooling efficiency, CLOSE the vent. This will allow internal air circulation.

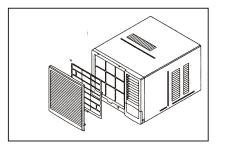


**NOTE:** The VENTILATION LEVER should normally be kept in the CLOSED position during cooling for maximum cooling effect. The "OPEN" position is used only for ventilation.

# CARE AND CLEANING

# CAUTION -

Clean your air conditioner occasionally to keep it looking new. **Be sure to unplug the unit before cleaning to prevent chock or fire hazards.** 



### **Air Filter Cleaning**

The air filter should be checked at least once a month to see if cleaning is necessary. Trapped particles in the filter can build up and cause an accumulation of frost on the cooling coils.

- Hold the slot under the front panel, then uplift it onwards, and remove the front panel.
- Pinch the handle under the air filter and make the air filter arched, remove it from the underside to upside.
- Wash the filter using liquid dishwashing detergent and warm water. Rinse filter thoroughly.
- Gently shake excess water from the filter. Be sure the filter is thoroughly dry before replacing.
- Or, instead of washing you may vacuum the filter clean.
  - **Note:** Never use hot water over 40°C to clean the air filter. Never attempt to operate the unit without the air filter.

### **Cabinet Cleaning**

- Be sure to unplug the air conditioner to prevent shock or fire hazard. The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent. Rinse thoroughly and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls.
- Excess water in or around the controls may cause damage to the air conditioner.
- Plug in air conditioner.

**NOTE:** Never use water over 50 °C, alcohol, gasoline, acid, solvent or brush to clean the front panel as this will damage the surface of the part.

### Winter Storage

If you plan to store the air conditioner during the winter, remove it carefully from the window according to the installation instructions. Cover it with plastic or return it to the original carton.

# SPECIFICATIONS

#### Unit dimensions:

MODEL	BODY DIMENSION(mm) (W x H x D)
5000btu/h(1.5kw)	450X350X580

#### Minimum norminal cross-sectional area of conductors:

Rated current of appliance (A)	Nominal cross-sectional area (mm²)
>3 and ≼6	0.75
>6 and ≤10	1
>10 and ≼16	1.5
>16 and <25	2.5

#### Suggest Minimum Wire Size(AWG:American Wire Gage):

Appliance Amps	AWG Wire Size
10	18
13	16
18	14
25	12
30	10

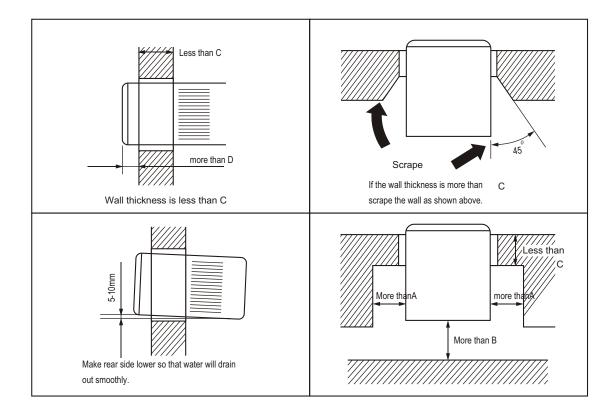
# INSTALLATION

Select The Best Location

Install the unit at a place having sufficient strength to support the unit securely . For maximum efficiency, install the air conditioner on a side of a house or building which favors more shade than direct sunlight.

Provide sufficient clearance or space around the air inlet and air outlet so that air flow will not be obstructed, following figures give detailed requirements.

Only trained and qualified service personnel should install, repair or service air conditioning equipment. Users should not install the air conditioner by themselves.

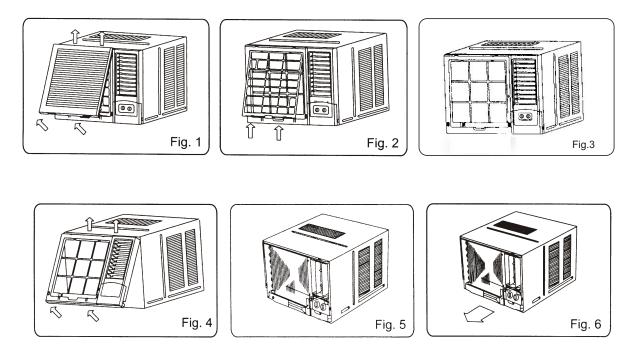


	Size(mm)
A	150
В	500
С	220
D	60

# Installation Steps

#### Step 1. Remove the front panel and the air filter

- 1. Hold the slot under the front panel, then uplift it outwards, and remove the front panel (See Fig.1).
- 2. Pinch the handle under the air filter and make the air filter arched, remove it from the slot from underside to upside (See Fig.2).

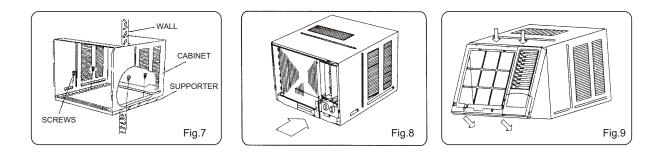


#### Step 2. Remove the frame.

- 1. Remove the two fixed screws from the frame. (see Fig.3)
- 2. Grasp the left corner in the frame's underside, the loosen the frame. (see Fig.4)

#### Step 3. Installation

- 1. Remove the screws fix the chassis-fixing board and cabinet. some Models have two more screws on the back of the cabinet. (see Fig.5)
- 2. Grasp the handle on the chassis and carefully slide the air conditioner out of the cabinet. (see Fig.6)
- 3. When need to drain off water, in tall the drain pluq on the Chassis board. Then fix the cabinet on the supporter (provide for yourself or contact the dealer)(see Fig.7).
- 4. Push the unit chassis into the cabinet. (see Fig.8)
- 5. Fix the chassis and cabinet.. (see Fig.5)

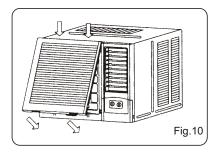


#### Step 4. Install the frame

- 1. Install the frame. (see Fig.9)
- 2. Fix the screws on the frame. (see Fig.3)

Step 5. Install the front panel and the air filter.

- 1. Install the air filter into the frame's slot from upside to underside. (see Fig.2)
- 2. Hang the front panel on the frame's buckle, then press the front panel into the frame's slot until hear a click. (see Fig.10)



# TROUBLESHOOTING TIPS

Before calling for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of defective workman-ship or materials in this appliance.

Problem	Solution		
Air conditioner does not start	Wall plug disconnected. Push plug firmly into wall outlet.		
	House fuse blown or circuit breaker tripped. Replace fuse with time delay type or reset circuit breaker.		
	Selector Control in OFF position. Turn selector to the desired FAN or COOL setting.		
	Unit turned off by moving thermostat to a higher number and then immediately turning back to a colder number. Wait approximately 3 minutes. Listen for compressor to start.		
	Unit turned off and then on too quickly. Turn unit off and wait 3 minutes before restarting.		
	Thermostat set too low. Adjust thermostat to higher number for cooling.		
	Turn selector to a higher COOL position.		
Air from unit does not feel cold enough	Thermostat set too warm. Set thermostat to colder temperature.		
	Room temperature below 17 $^\circ\!\mathrm{C}$ . Cooling may not occur until room temperature rises above 17 $^\circ\!\mathrm{C}$ .		
	Temperature sensing tube touching cold coil, located behind air filter. Straighten tube away from coil.		

Problem	Solution
cooling, but room is too warm- ice	Outdoor temperature below 17 °C. To defrost the coil, set selector to FAN position. Then, set thermostat to warmer position.
	Air filter may be dirty. Clean filter. Refer to Care and Cleaning section. To defrost, set selector to FAN.
	Thermostat set too cold for night-time cooling. To defrost the coil, set selector to a FAN position. Then, set thermostat to a warmer position.
Air conditioner	Dirty air filter- air restricted. Clean air filter. Refer to Care and Cleaning section.
cooling, but room	Thermostat set too warm. Turn thermostat clockwise to a colder setting.
is too warm- NO	Air directional louvers positioned improperly. Position louvers for better air distribution.
ice forming on cooling coil behind decorative front.	Front of units is blocked by drapes, blinds, furniture, etc restricts air distribution. Clear blockage in front of unit.
decorative from.	Doors, windows, registers, etc. Open- cold air escapes. Close doors, windows, register
	Unit recently turned on in hot room. Allow additional time to remove "Stored heat" from walls, ceiling, floor and furniture.
	Dirty air filter- air restricted. Clean air filter.
and off rapidly	Outside temperature extremely hot. Set to high cool to bring air past cooling coils more frequently.
Noise when unit is cooling	Air movement sound. This is normal . If too loud, turn selector to lower FAN setting.
	Sound of fan hitting water-moisture removal system. This is normal when humidity is high. Close doors, windows and registers.
	Window vibration - poor installation. Refer to installation instructions or check with installer.
Water dripping INSIDE when unit is cooling.	Improper installation. Tilt air conditioner slightly to the outside to allow water drainage. Refer to installation instructions - check with installer.
Water dripping OUTSIDE when unit is cooling.	Unit removing large quantity of moisture from humid room. This is normal during excessively humid days.

## Electrolux Warranty

FOR SALES IN AUSTRALIA

APPLIANCE: WINDOW WALL AIR CONDITIONER

This document sets out the terms and conditions of the product warranties for Electrolux Appliances. It is an important document. Please keep it with your proof of purchase documents in a safe place for future reference should you require service for your Appliance.

- 1. In this warranty
  - (a) 'acceptable quality' as referred to in clause 10 of this warranty has the same meaning referred to in the ACL;
  - (b) 'ACL' means Trade Practices Amendment (Australian Consumer Law) Act (No.2) 2010;
  - (c) 'Appliance' means any Electrolux product purchased by you accompanied by this document;
  - (d) 'ASC' means Electrolux' authorised serviced centres;
  - (e) 'Electrolux' means Electrolux Home Products Pty Ltd of 163 O'Riordan Street, Mascot, NSW 2020, ABN 51 004 762 341 in respect of Appliances purchased in Australia;
  - (f) 'major failure' as referred to in clause 10 of this warranty has the same meaning referred to in the ACL and includes a situation when an Appliance cannot be repaired or it is uneconomic for Electrolux, at its discretion, to repair an Appliance during the Warranty Period;
  - (g) 'Warranty Period' means:
    - (i) where the Appliance is used for personal, domestic or household use (i.e. normal single family use) as set out in the instruction manual, the Appliance is warranted against manufacturing defects in Australia for 24 months following the date of original purchase of the Appliance;
    - (ii) where the Appliance is used for commercial purposes (including being used to directly assist a business or where the Appliance is used in a multi-family communal or share type environment), the Appliance will then be warranted against manufacturing defects in Australia for 3 months, following the date of original purchase of the Appliance.
  - (h) 'you' means the purchaser of the Appliance not having purchased the Appliance for re-sale, and 'your' has a corresponding meaning.
- This warranty only applies to Appliances purchased and used in Australia and is in addition to (and does not exclude, restrict, or modify in any way) any non-excludable statutory warranties in Australia.
- 3. During the Warranty Period Electrolux or its ASC will, at no extra charge if your Appliance is readily accessible for service, without special equipment and subject to these terms and conditions, repair or replace any parts which it considers to be defective. Electrolux or its ASC may use remanufactured parts to repair your Appliance. You agree that any replaced Appliances or parts become the property of Electrolux. This warranty does not apply to light globes, batteries, filters or similar perishable parts.
- 4. Parts and Appliances not supplied by Electrolux are not covered by this warranty.
- You will bear the cost of transportation, travel and delivery of the Appliance to and from Electrolux or its ASC. If you reside outside of the service area, you will bear the cost of:
  - (a) travel of an authorised representative;
  - (b) transportation and delivery of the Appliance to and from Electrolux or its ASC,

In all instances, unless the Appliance is transported by Electrolux or an Electrolux authorised representative, the Appliance is transported at the owner's cost and risk while in transit to and from Electrolux or its ASC.

- 6. Proof of purchase is required before you can make a claim under this warranty.
- You may not make a claim under this warranty unless the defect claimed is due to faulty or defective parts or workmanship. Electrolux is not liable in the following situations (which are not exhaustive):
  - (a) the Appliance is damaged by:
    - (i) accident
    - (ii) misuse or abuse, including failure to properly maintain or service
    - (iii) normal wear and tear
    - (iv) power surges, electrical storm damage or incorrect power supply
    - (v) incomplete or improper installation
    - (vi) incorrect, improper or inappropriate operation
    - (vii) insect or vermin infestation
    - (viii) failure to comply with any additional instructions supplied with the Appliance;
  - (b) the Appliance is modified without authority from Electrolux in writing;
  - (c) the Appliance's serial number or warranty seal has been removed or defaced;
  - (d) the Appliance was serviced or repaired by anyone other than Electrolux, an authorised repairer or ASC.
- 8. This warranty, the contract to which it relates and the relationship between you and Electrolux are governed by the law applicable where the Appliance was purchased.
- 9. To the extent permitted by law, Electrolux excludes all warranties and liabilities (other than as contained in this document) including liability for any loss or damage whether direct or indirect arising from your purchase, use or non use of the Appliance.
- 10. For Appliances and services provided by Electrolux in Australia, the Appliances come with a guarantee by Electrolux that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Appliance repaired or replaced if the Appliance fails to be of acceptable quality and the failure does not amount to a major failure. The benefits to you given by this warranty are in addition to your other rights and remedies under a law in relation to the Appliances or services to which the warranty relates.
- 11. At all times during the Warranty Period, Electrolux shall, at its discretion, determine whether repair, replacement or refund will apply if an Appliance has a valid warranty claim applicable to it.
- 12. To enquire about claiming under this warranty, please follow these steps:(a) carefully check the operating instructions, user manual and the terms of this warranty;
  - (b) have the model and serial number of the Appliance available;
  - (c) have the proof of purchase (eg an invoice) available;
  - (d) telephone the numbers shown below.
- 13. You accept that if you make a warranty claim, Electrolux and its ASC may exchange information in relation to you to enable Electrolux to meet its obligations under this warranty.

#### **Important Notice**

Before calling for service, please ensure that the steps listed in point 12 above have been followed.

FOR SERVICE or to find the address of your nearest state service centre in Australia PLEASE CALL 13 13 49 For the cost of a local call (Australia only)

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FOR SPARE PARTS or to find the address of your nearest state spare parts centre in Australia PLEASE CALL 13 13 50 For the cost of a local call (Australia only)



If you'd like further information about Kelvinator appliances, please visit your retailer, phone or email our Customer Care team or visit our website.

telephone:	1300 363 640
fax:	1800 350 067
email:	customercare@electrolux.com.au
web:	www.kelvinator.com.au

Kelvinator. We are part of the Electrolux family. Share more of our thinking at www.electrolux.com.au

