eQuipt COOLING

PRODUCT CODE: E11-0020

EVAPORATIVE COOLER

OWNER'S MANUAL

Max Airflow	Effective Cooling Area	Water Tank Capacity	Water Consumption	Dimensions (mm)	Net Weight
9000 m^3	50-60 m^2	70 L	5-6 L/h	840 L x 565 W x 1320 H mm	33 Kg

TQB Brands Pty Ltd
www.tqbbrands.com.au

WARNING

IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE

The instructions and warnings contained in this manual should be read and understood before using or operating this equipment. Do not allow anyone to use or operate this equipment until they have read this manual and have developed a thorough understanding of how this equipment works. Failure to observe any of the instructions contained in the manual could result in severe personal injury to the user or bystanders, or cause damage to the equipment and property. Keep this manual in a convenient and safe place for future reference.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the TQB Brands Pty Ltd policy of continuous improvement determines the right to make modifications without prior warning.

CONTENTS

SAFETY OPERATING INSTRUCTIONS

Water Level Management

- The water level in the tank must never exceed the "MAX" scale to prevent overflow.
- When operating in cooling mode, ensure the water level remains above the "MIN" scale to avoid operational issues.
- After adding water, avoid tilting, moving abruptly, or colliding with the unit to prevent spillage.
- Prohibited: Overturning the machine, as this may lead to accidents or damage.
- In elevated environmental temperatures, activate the cooling function to reduce heat and increase air moisture effectively.

Electrical Safety

- Always unplug the unit from the power supply before cleaning or performing maintenance to eliminate electrical risks.
- If the unit topples with water inside, immediately disconnect the power plug. Do not attempt to operate it until it is fully dry to prevent electrical damage or hazards.
- Keep the control panel dry at all times. Unplug the unit before cleaning due to high internal pressure, which could pose a risk if mishandled.
- If the power cord is damaged, contact the manufacturer’s authorised service centre or a qualified technician for repair or replacement to avoid potential dangers.
- Disconnect the power plug when the unit is not in use to enhance safety and conserve energy.

General Usage

- Do not place objects (except the remote control) on the air conditioner.
- Ensure the air outlet remains unobstructed, with no obstacles within one meter of the front or back of the unit.
- Position the unit away from walls, curtains, or other barriers to maintain unrestricted airflow and optimal cooling performance.
- Activating the "Cooling" function without water in the tank will prevent the water pump from operating. Always verify sufficient water levels prior to use.
- Avoid shaking or striking the unit forcibly during operation, as this may trigger an automatic shutdown, requiring a manual restart.
- Clean the exterior with a damp cloth (optionally with mild cleanser).
- Prohibited: Use of corrosive cleansers, drip washing, or submersion in water.

SAFETY OPERATING INSTRUCTIONS cont.

General Usage cont.

- Use batteries matching the original specifications and ensure correct polarity during replacement.
- Dispose of used batteries responsibly in accordance with Australian environmental regulations.
- Remove the battery if the remote control will remain unused for an extended period.
- Individuals with physical weaknesses, delayed responses, or mental impairments must operate the unit under the supervision of a responsible adult.
- Ensure children are monitored when in the vicinity of the unit.

Additional Precautions

- As the unit is mounted on wheels, place it on a flat, stable surface to prevent unintended movement during operation.
- Lock the wheels (if equipped) to secure the unit in position while in use.
- Avoid operating the unit in areas with excessive dust, chemicals, or flammable materials, which could impair performance or pose safety risks.
- Ensure the workshop is well-ventilated during operation to maintain air quality and prevent overheating of the unit.
- Conduct regular inspections and servicing as recommended by the manufacturer to ensure long-term reliability and compliance with Australian safety standards.

Important Notices

- Control Panel Protection: Any exposure of the control panel to moisture is strictly prohibited. Always disconnect the power supply before cleaning or maintenance.
- Technical Support: For repairs or technical difficulties, contact the manufacturer's authorised service centre to ensure adherence to Australian safety and quality standards.

INCLUDED IN THE BOX

- Evaporative Cooler Unit
- Instruction Booklet

FEATURES

The Portable Evaporative Cooling unit is specifically designed for smaller workspaces, offering an impressive airflow capacity. This user-friendly unit features a robust, weather-resistant one-piece molded polyethylene housing that is both crack- and leak-resistant.

Equipped with a remote-controlled, three-speed fan, this cooler efficiently circulates warm air over rigid, water-saturated evaporative cooling media, resulting in a notable reduction in ambient temperatures of up to 10°C. Its adjustable swing louvre feature allows for customizable directional airflow, enabling users to tailor the cooled air output to their preferences.

Evaporative coolers—commonly known as desert coolers or wet air coolers—function by cooling air through the evaporation of water. These units are particularly effective in hot, low-humidity climates, leveraging the natural cooling properties of water alongside a continuous airflow to lower indoor temperatures. Furthermore, evaporative cooling systems provide significant energy savings compared to traditional refrigerated air conditioning units, and their straightforward design ensures minimal maintenance.

With substantial energy savings and continuous air circulation, this portable evaporative cooler is ideally suited for area or spot cooling in environments such as rooms, workshops, factories, laundries, schools, agricultural sheds, and more.

BEFORE FIRST USE

Before each use, conduct a visual inspection to identify any irregularities, including cracked joints or damaged, loose, or missing components. Ensure that the unit is disconnected from the power supply before removing any guards. If the power supply cord is damaged, it must be replaced by the manufacturer or a qualified professional.

OPERATION

ASSEMBLY

- Remove all packaging items from the unit.
- Attach the wheels (if required).
- Fill the water reservoir. When filling, ensure to monitor the water level display. Be careful not to overfill the unit. Do not fill beyond MAX.
- Connect unit to electrical power source.

Use exclusively with clean tap water. The introduction of any chemicals or solvents may result in damage to the unit and could pose serious health risks, including injury or fatality.

Ensure that the electrical cable and connections are in safe, functional condition. Be sure to inspect for any damage.

On first use you may notice an odor. This is normal and should subside after some time of use.

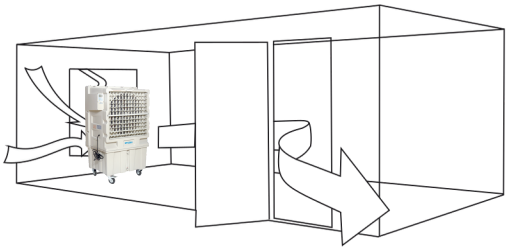
POSITIONING AND LOCATION

When using the evaporative cooler in an enclosed space, ensure there is adequate exhaust by opening windows, doors etc. Without an outlet to exhaust the air, humidity will build up in the enclosed space and the unit will not operate adequately.

Ensure that the unit maintains a minimum clearance of 1 meter on all sides. This is essential for the effective operation of the air intake and exhaust systems.

Ensure that the unit is positioned on a flat, level surface.

It is preferable to have an opening behind the unit to bring in fresh air and another opening across the room to exhaust and circulate the air.



WATER RESERVOIR

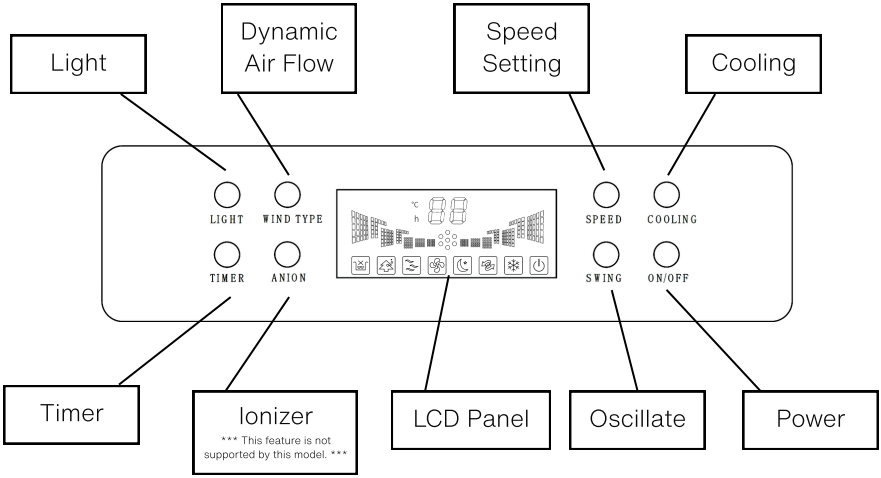
When filling, ensure to monitor the water level display. Be careful not to overfill the unit. Do not fill beyond MAX.

The unit is designed to operate as just a fan when there is insufficient water. This will not cause damage to the pump.

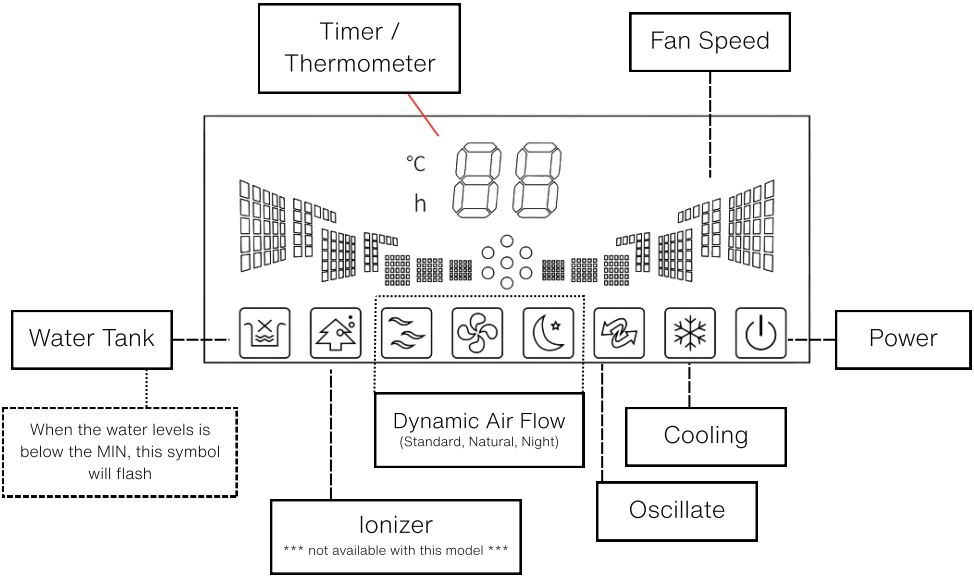
Use exclusively with clean tap water. The introduction of any chemicals or solvents may result in damage to the unit and could pose serious health risks, including injury or fatality.

OPERATION

Control Panel



LCD Panel



OPERATION

LCD Panel Functions

On/Off Button

To activate the air cooler, connect the power source and press the on/off button. The initial setting is the cooling mode, which will remain the default for subsequent uses. Regardless of its current mode, the air cooler will cease operations whenever the on/off button is pressed.

Cooling Button

To activate the cooling function, simply press the cooling button. This will initiate the cooling mode, indicated by the illuminated cooling symbol. When activated, the pump will activate and start moving the water over the cooling pads.

When Cooling is not activated, the unit operates as a standard fan.

Air Speed Button

To adjust the wind speed to your preference, press the designated button. Three settings are available: high, medium, and low. The display will indicate the selected wind speed pattern accordingly.

Oscillate Button

The louvres will oscillate from the left to the right and the oscillation indicator will illuminate when the wind oscillate button is pressed. Press the button again to halt the oscillation.

Dynamic Air Flow Button

To adjust the fan output type, simply press the designated button to toggle between Standard, Natural, and Sleeping. The corresponding pattern will be displayed on the screen.

- Standard: The fan operates at a constant speed without fluctuations.
- Natural: The fan speed varies randomly among high, medium, and low settings, simulating a natural breeze.
- Sleeping: The initial fan speed is set to high. After 30 minutes, it automatically decreases to medium, and after an additional 30 minutes, it further reduces to low. The fan will maintain this low speed unless the program is modified.

Ionize Button

This enables the ionization function.

**** This feature is not supported by this model. ****

Timer Button

The timing function will activate, and the timer pattern will illuminate upon pressing the timer button. To set the desired duration, press the button repeatedly to adjust the time from 1 hour to 9 hours. The selected time will be displayed on the screen. Notably, once the timer is set to 9 hours, the timing function will deactivate upon pressing the button a second time.

OPERATION

LCD Panel Functions

Light Button

The LCD light is enabled by default. To turn off the LCD, press the light button; press it again to turn the light back on.

Input Sound

A beep sound is emitted with each input, whether from the control panel or the remote. There is no option to disable this feature.

Water Low Sound

When the water is below the minimum required level, the water pump will cease operation, and an alarm will activate, accompanied by a flashing water shortage indicator. The water pump will resume functioning once water is replenished in the air cooler.

Water Supply Connection and Float Valve Maintenance

Proper connection to the water supply and regular inspection of the float valve are critical to prevent overflows and ensure proper operation.

Water Supply Connection:
When connecting the unit to a water supply, avoid over-tightening the connection as this may cause the float valve to rotate out of position, which could cause the tank to overflow.

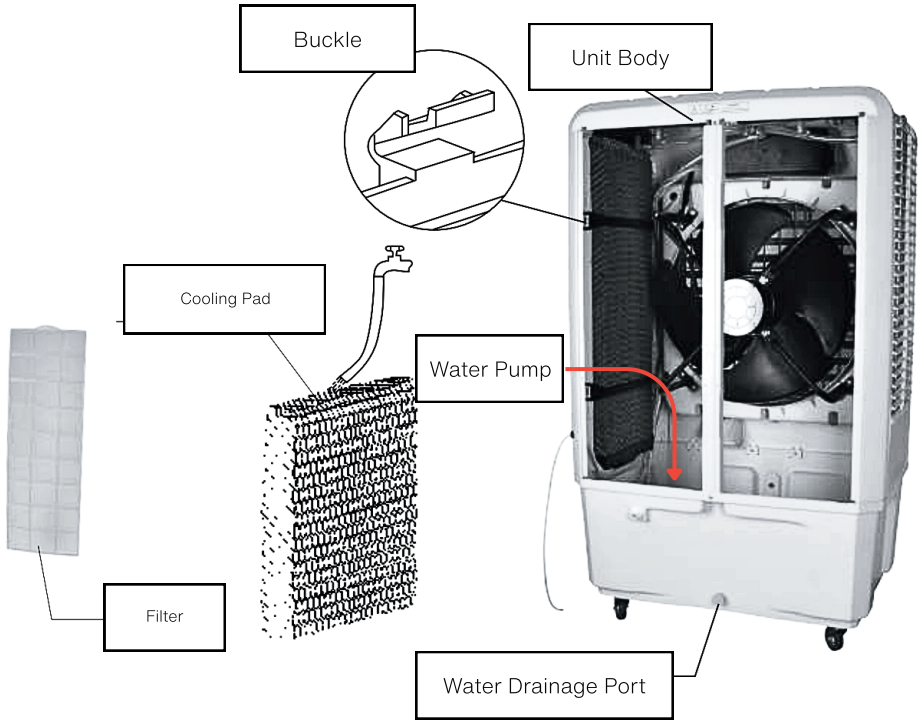
Filling the Tank:
Use a hose to fill the tank completely, ensuring the float valve has not been misadjusted during connection.

Float Valve Inspection:
Regularly inspect the float valve to confirm it is correctly positioned and functioning properly.

CLEANING

Prior to cleaning, ensure the unit is disconnected from electrical power.

The introduction of any chemicals or solvents may result in damage to the unit and could pose serious health risks, including injury or fatality.



Filter

Unscrew the screw on the top side of the filter. Suppress the buckle and pull the filter free from the unit. Use mild, soapy water and a cloth (or soft bristled brush. Towel pat or air dry. Return filter back to unit.

Cooling Pads

- Remove the filter (see above). Remove cooling pads.
- Clean with tap water only. Using a hose with low pressure.

High pressure water may damage the Cooling Pads

Do not use detergents or other chemicals when cleaning the Cooling Pads.

CLEANING cont.

EXTERIOR / BODY OF UNIT

Use mild soap and a soft cleaning cloth. Ensure to not apply excess water.

SEASONAL MAINTENANCE & STORAGE

- Drain the tank and wipe clean.
- Clean the filter and cooler pads.
- Reassemble and run on FAN ONLY for 30 minutes to dry out the filter and cooler pads.

Storage:
Store the unit in a dry, secure location until the next cooling season.
Consider purchasing an evaporative cooler storage cover to protect the unit. Visit TQ Brands or an authorized Australian stockist for more information.

CLEANING THE WATER TANK AND COMPONENTS

Remove the cap from the Water Drainage Port to facilitate unobstructed drainage. Ensure that a bucket is positioned accordingly, or relocate the unit to an appropriate area prior to executing this step.

Regular cleaning of the water tank and its components prevents the buildup of contaminants, algae, and calcium deposits, ensuring efficient operation.

Cleaning Process:
Use a soft cloth and a scrubbing brush to clean the tank thoroughly.
Pay special attention to stubborn areas with calcium buildup.

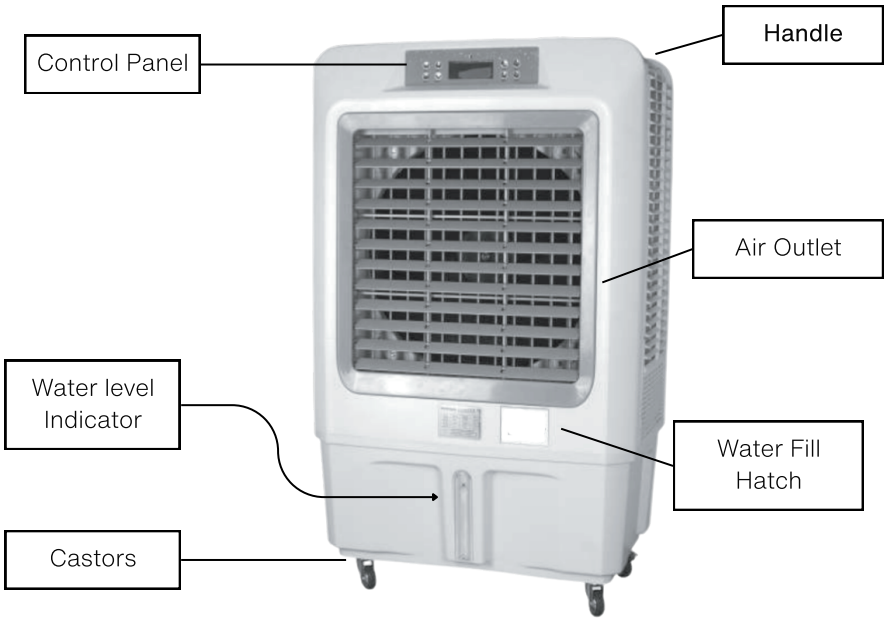
Components to Inspect:
- **Waterfall Channels:** Ensure they are free of debris to maintain proper water flow.
- **Water Level Sensor:** Verify it is clean and unobstructed for accurate operation.
- **Water Pump:** Check for debris to maintain optimal pump performance.

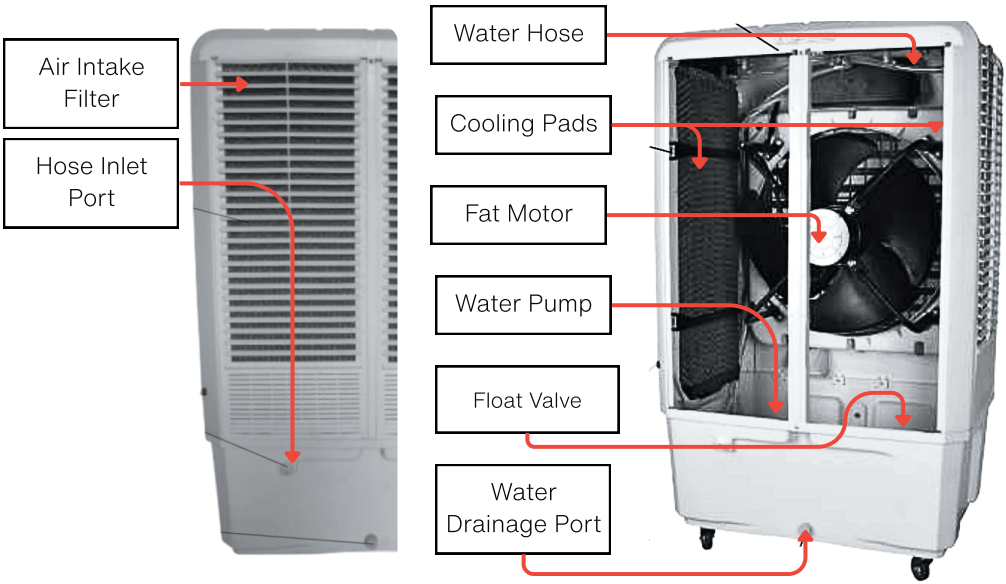
Preventing Biological Growth:
Add chlorine or bromine tablets to the tank to prevent algae and biological growth.

Confirm with the manufacturer that the chlorine or bromine tablets are suitable for use in evaporative coolers. The introduction of any chemicals or solvents may result in damage to the unit and could pose serious health risks, including injury or fatality.

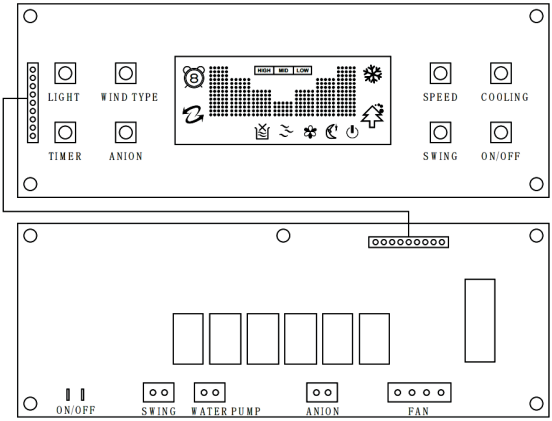
Change the water each day, as stagnant water may acquire an unpleasant odour.

PRODUCT DIAGRAM





CIRCUIT DIAGRAM



Service and maintenance of electrical components must be performed by a qualified technician.

Ensure that the unit is disconnected from the power source before servicing any electrical components.

TECHNICAL SPECIFICATIONS

Parameter	Unit/s	Measurement
Output Airflow	m^3 / h	9000
Voltage/Frequency	v / Hz	220 / 50
Motor Power	w	200
Water Consumption	L / h	5 - 6
Water Storage Capacity	L	70
Boundary Dimension	L x W x H (mm)	840 x 565 x 1320
Weight	Kg	33
Air Outlet Dimension	L x H (mm)	620 x 660
Noise	dB (A)	≤70
Application Space	m^2	50-60
Operating Current	A	2.4

Reported Fault	Reasons	Elimination Methods
LCD Display is Dim or Off	1. The power source having no power 2. Main Control Panel Failure 3. Blowout of Fuses 4. Panel Failure	1. Restore the Power and Check the Power Supply Circuit 2. Replace the Main Control Panel 3. Replace the Fuses 4. Replace the Panel
Control Panel Not Working	1. Power Supply Surge. 2. Environmental Disturbance 3. Panel Failure	1. Turn off the Power and Restart the Machine 2. Clear up or Keep away from the Interference Source 3. Replace the Panel
No Air Output or Wind Speed Very Low	1. Machine Shell Get Stuck 2. Cooling Pads or Air Filter Net Stocking 3. Machine Shell Deformed 4. Panel Failure	1. Check whether the Motor is Damaged and whether the Fixed Hoop and the Fan Base are Deformed 2. Clean or Replace the Cooling Pads or the Air Filter Net 3. Replace the Machine Shell 4. Replace the Main Control Panel
Fan Motor Not Working	1. Main Control Panel Damage 2. Panel Failure	1. Replace the Main Control Panel 2. Replace the Panel
Abnormal Sound	1. Loose items or Debris Inside 2. Fan is loose. 3. Motor Failure	1. Take Down the Filter Net and Cooling Pads, Then Take out the Sundries 2. Tighten the Fan 3. Replace the Motor
Water Leakage	1. Water drainage port not closed. 2. Water reservoir overfilled	1. Ensure port is fully closed 2. Remove some water from reservoir until at appropriate level

WARRANTY

eQuipt products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are used for commercial purposes when the guarantee period is ninety days from the date of purchase.

Should this piece of equipment develop any fault, please return the complete tool to your nearest authorised warranty repair agent or contact TQB Brands Pty Ltd Warranty team – warranty@tqbbrands.com.au.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised TQB Brands Pty Ltd repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your TQB Brands Pty Ltd guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12month period.

Consumer Guarantee Our goods come with a guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.