SEELEY INTERNATIONAL

Installation, Startup, Operation, Service & Maintenance Manual

ALA Series

Evaporative Cooler

AIRA

CONTENTS

CONTENTS

THIS COOLER IS TO BE INSTALLED BY AN AUTHORISED PERSON ONLY

DO NOT Operate this appliance before reading the manual.

DO NOT Place articles on or against this appliance.

DO NOT Use or store flammable materials near this appliance.

DO NOT Operate this appliance with panels, covers or guards removed.

DO NOT Spray aerosols in the vicinity of this appliance while it is in operation.

This AIRA unit must be installed in accordance with these instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, Australian Standard AS/NZS 5601 Gas Installations and any other relevant statutory requirements.

Employers and Employees Responsibility

The installation and maintenance of gas ducted heating units, particularly at height, has the potential to create Occupational Health and Safety issues for those involved. Installers are advised to ensure they are familiar with relevant State and Federal legislation, such as Acts, Regulations, approved Codes of Practice and Australian Standards, which offer practical guidance on these health and safety issues. Compliance with these regulations will require appropriate work practices, equipment, training and qualification of workers. Seeley International provides the following information as a guide to contractors and employees to assist in minimising risk.

Risk Assessment

A risk assessment of all hazardous tasks is required under legislation. A risk assessment is an essential element that should be conducted before the commencement of work, to identify and eliminate the risk of falls and other risks, or to minimise these risks by implementing control measures. This does not need to be a complicated process - it is a matter of assessing the job to be done and considering what actions are necessary so the person doing the job does not injure themselves.

This should be considered in terms of:

- What are the chances of an incident occurring?
- What could the possible consequences be?
- What can be done to reduce, or better still, eliminate the risk?

Handling the Cooler

The cooler has lifting lugs for crane hook-up. Hooks, jacks, or chains must not be applied around casing or control box.

Positioning the Cooler

Cooler should be installed so that it is level. Allow 1200mm clearance at the front and control side of the cooler and 500mm on the bottom, top, and other side. Air intake to the unit should not be restricted in any manner.

Wiring Electrical connections must be in accordance with all relevant Australian standards.

Avoid quiet areas:

Directly above, below or outside bedrooms, living room, lounge room, dining room etc. Some points to consider

Preferred installation locations:

Above, below or outside laundry, bathroom, kitchen, garage etc’

Piping

Gas piping should be sized adequately, in accordance with the Australian Gas Association’s installation code

AG501.

SOME POINTS TO CONSIDER

- Some points to consider when working on or in a roof
- What is the best and safest access to the roof and working areas?
- What condition is the roof in? Should the roof structure and surface be checked?
- Does the worker have appropriate footwear?
- Are all power cables/extension leads safe and appropriately rated?
- Are all ladders, tools and equipment suitable and in good condition?
- Where ladders are to be used, is there a firm, stable base for them to stand on? Can they be tied or secured in some way at the top?
- Is there a roof anchor to attach a harness and lanyard to? If so, instruction should be issued for the use of an approved harness or only suitably trained people used.
- Are all tools and materials being used, prevented from slipping and falling onto a person at ground level? Is the area below the work area suitably protected to prevent people entering this area?
- Does the work schedule take into account weather conditions, allowing for work to be suspended in high winds, thunder storms/lightning or other types of weather giving wet, slippery surfaces?
- Is there an on-going safety check system of harnesses, ropes, ladders and access/lifting equipment, and any anchor points on roofs before the commencement of work?
- Is there a system which prevents employees from working on or in roofs if they are unwell or under the influence of drugs or alcohol?

Are there any special conditions to consider i.e. excessive roof pitch, limited ground area, fragile roof, electrical power lines?

Standard Controls

1. Press the 'COOL' switch to 'ON', and allow the pump to operate on its own for 5 – 10 minutes. This will allow the pads to become saturated with water, and hot air will not be drawn into the space to be cooled.
2. Press the 'FAN' switch to 'ON'.
3. If outside humidity is very high, more comfort may be achieved by turning the "COOL' switch 'OFF' to stop the water pump, and running the fan only. Fan speed may be selected as above.
4. At the end of the cooling period, turn the 'COOL' switch 'OFF' for a couple of minutes before turning the fan off to assist in drying the pads.
5. Important Operating Notes

Alternative control options are available.

Please leave this manual with the owner of this air conditioner.

Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular servicing of this appliance is carried out. Failure to maintain periodic service work as outlined will void all guarantees beyond statutory and legal requirements.

Before Operating

- Evaporative air coolers always run on 100 % fresh outside air.
- Always ensure adequate relief is available via openable doors and/or windows.
- Allow approximately 0.4 square metres per 1000 litres per second of supply air.
- Allow 0.8 square metres per 1000 litres per second if fly wire screens are fitted to the relief area.
- Select relief openings to provide the best pattern of cool air flow through the building.

  Note that relief openings will be ineffective if exposed to high winds. If air exhaust volume is a problem, mechanical exhaust ventilation will be required for as much as 80% of the air delivery of the cooler.
- **Coolers must not discharge into a closed space but must always be able to relieve from a building**
- If Supply air ducts are fitted with adjustable outlet grill blades, the blades should be adjusted to give the best cool air distribution in the area served by the outlet.
- **Do not close blades too far or air whistle may occur**.
- To ensure long life and efficient operation it is essential that the cooler receive an annual service. In extreme environments (eg hot dusty areas) more frequent service may be required. Check with the unit installer.
- **During normal operation of the cooler it is important that the water bleed-off is operating and is not shut off or blocked. This bleed-off will prevent an accumulation of salts and solids in the unit.**

LEGIONNAIRES' DISEASE

Evaporative air conditioners have not been implicated in any outbreak of Legionnaires' disease, although Legionella bacteria have been found in such systems. The water temperature in an evaporative air cooler is normally about 18°C at which temperature the Legionella bacteria (if present) will remain dormant and

cannot multiply.

The following maintenance schedule is required to be followed in order to comply with the New South Wales Public Health Act 1991 section 46:-

- Sumps are to be drained and cleaned at three-monthly intervals or more frequently if necessary.
- Wetted pads are to be cleaned at three-monthly intervals or more frequently if necessary.
- Water strainers are to be cleaned at three-monthly intervals or more frequently if necessary.
- If an air filter is fitted, it is to be cleaned or replaced when necessary.
- The drainage system is to be cleaned at three-monthly intervals or more frequently if necessary.

At this stage there are no specific maintenance requirements for evaporative air coolers under the Health (Infectious Diseases) Regulations in Victoria, however it is recommended that maintenance of the cooler be carried out in accordance with the schedule in section 7 below or in accordance with the NSW schedule above.

In other states it is recommended that the customer or installer contact the local health department.

Installation Guidelines (Installer responsibility)

1. Consult local building codes for any special requirements. For example: water supply, electrical supply and building structural computations
2. The building structure must be able to carry the operating weight of cooler, all relevant stands and ductwork, as well as service and installation personnel.
3. Keep cooler clear of any heating flues, kitchen exhaust, toilet exhaust, sewerage vent pipes etc.
4. Keep ample clearance on all air inlet sides of cooler. A basic rule is not less than 1 metre.
5. Ensure safe access for installer and service technician. Do not site the cooler over or near a skylight. Installation or service personnel could fall through causing damage and injury. Note: The manufacturer and its agents can refuse service unless safety and accessibility can be guaranteed.
6. Ensure cooler is installed level.
7. When slinging any cooler for a crane lift, ensure that an adequate sized rope sling is used. The sling should be wrapped round the bottom of the cooler. DO NOT tie slings around and under the roof (top) panel or through the fan housing. Use lifting brackets if supplied on cooler. It is advisable when slinging the cooler to use a bar or wooden spreader laid across the top of the cooler protruding past edges sufficient to stop damage occurring.
8. Ensure Cooler is provided with appropriate accessories for site conditions

Covers/Louvres: A variety of screens, covers and louvres are available from the supplier for specialized and specific problem areas. For example in bushfire prone areas a fine mesh screen is available for purchase. These screens can affect cooler performance.

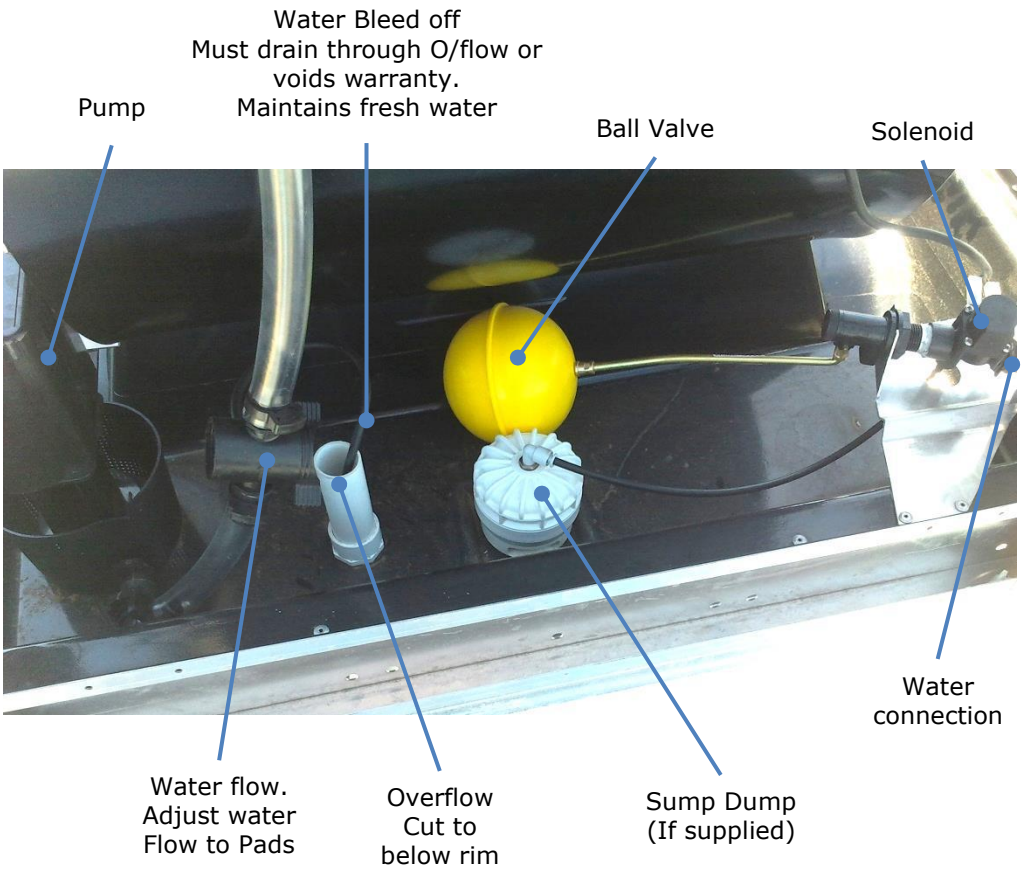
Basic Installation Procedure

Inspect equipment on receipt to ensure that correct appliance has been delivered. Also check for any possible shipping damage and/or shortages. Check accessory pack and ensure that it includes water valve assembly, water overflow drain pipe and selector switch assembly. Report any damage or shortages to shipper / supplier immediately.

The following installation example is for a wall mounted cooler.

1. Measure up position of duct penetration and cut hole through wall. Try, wherever possible, to keep between battens
2. Lay fan section through the penetration and seal off
3. Position cooler section to outside of fan section and fix securely.
4. Fit rain collar around cooler section. Fix in position and seal off
5. Fit overflow pipe and route to a drain if required by local regulations Ref Water setup
7. Fit ball valve and float assembly through corner post, fit backing nut and connect water supply via an isolating valve. Water supply should be connected via an isolating valve. Ref water setup

Water Setup



Water Supply

Ensure that available water supply pressure is not less than 220 kPa (30psi)

The supply pipe should be 12mm copper pipe or similar approved. A ¼ turn ball isolating valve must be installed on the supply pipe near the unit for ease of maintenance. Do not use duo or non-return valves of any kind including stop taps with jumper washer.

NOTE: Non return type valves can have and effect on the operation of the water solenoid valves. Lock up and damage can be caused.

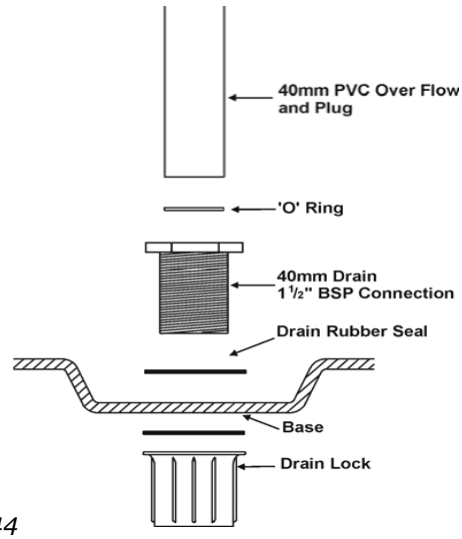
- Fit water supply tap close to the unit to assist in routine servicing.
- Before connecting the supply pipe flush it of any swarf or debris that may cause the float valve to leak.

NOTE: In areas where water pipes freeze, provisions will be needed to drain the water piping to prevent damage

Drain

The combination drain/overflow pipe outlet must be connected to a drainpipe with sufficient capacity to take the discharge of water from the reservoir.
The pipe must connect to a suitable drain or gutter.
Drain must be lower than base of pad assembly.

Note: Refer to local regulations to ensure discharge of drain / overflow water is in accordance with statutory requirements.



***Auto Drain* kit** *(Optional) Fit as per auto drain instructions 077444*

Commissioning Check List

In order for this cooler to be covered by Manufacturer Warranty the cooler must be installed and commissioned correctly.

Unit

- ❑ All equipment ordered is installed.
- ❑ The unit is level and secure.
- ❑ The water supply line was flushed and is free of leaks.
- ❑ The tray is free of foreign matter and debris and the water isolating tap is turned ON.
- ❑ Water drainpipe work is connected and sealed.
- ❑ The water basin fills with water and the float valve closes correctly when the water level is 65 -70mm from the bottom of the tank.
- ❑ The water pump operates when turned ON at the controller.
- ❑ All appliance controller functions operate.
- ❑ Fan motor current draw.

Ductwork and general

- ❑ All ductwork, where fitted, is completed to plan, correctly supported and airtight.
- ❑ Air distribution checked, dampers are adjusted and all outlets correctly adjusted and wiped clean.
- ❑ All roof penetrations are fully sealed and watertight.
- ❑ The water bleed rate is adjusted to suit local water conditions.
- ❑ The Dump Valve (option) drains correctly when unit turns off.
- ❑ The fan is correctly located and the fan blade spins freely with the right rotation.
- ❑ The fan operates correctly on all speeds.
- ❑ The mains and control wiring are complete and the circuit breaker is turned ON
- ❑ Water distribution is even with the filter pads fitted and the air conditioner operating pump and fan.

Site

- ❑ All rubbish has been removed from inside and on the roof.

Customer Hand Over

- ❑ Explain cooler operation.
- ❑ Adequate exhaust is required for the effective cooling. Air exhaust should be at least 0.4 square meters per 1000 litres of air.
- ❑ Explain the operation of the bleed and dumping system.
- ❑ Maintenance requirements

Electrical Installation

The electrical installation must be carried out by a competent and licensed electrician. Neutral line is required on three phase units for the 240v water pump circuit.

The control panel switch must be located in a convenient place inside the house or building to allow easy control of the cooler functions.

Installed By:…….

Date:……..

COMMISSIONING

Start Up Procedure

1. Remove pad assembly from cooler and turn off power isolating switch
2. Turn blower by hand and check that all moving parts run freely. Remove any transport brackets. Check structural bolts and grub screws for tightness.
3. Check fan/motor belt deflection and adjust if necessary. As a general rule for tensioning belts, a deflection of 1.6 – 1.8 mm per 100 mm of belt span is required. The belt span is measured from the centre of the motor pulley to the centre of the fan pulley. ie. A belt span of 800 mm should have an approx. belt deflection of 14.4 mm.

   Belt tension should also be checked and tensioned if necessary, after 3 months use.
4. Purge water supply by disconnecting at the isolating valve or even removing the ball valve seat. Wash out water tray.
5. Set ball valve to maintain water level approximately 10-15mm below overflow.
6. Check operation of selector switch.
7. Check and set water distribution by adjusting the water restrictor in the hose from the cooler's water pump to the distribution pipe. The number of holes per pad and their location varies with the cooler model. To set the flow rate correctly for all models use a one litre container and adjust the flow rate so that flow from one hole in the water distribution pipe fills the one litre container in sixty (60) seconds.
8. Water consumption rates vary with weather conditions but the following can be used as a guide. The evaporative cooler can evaporate around 2.5 litres of water per hour for every 100 litres per second of supply air. So a large cooler providing 14000 litres per second of air could evaporate 2.5 x 140 = 350 litres of water per hour. To this water usage must be added the bleed off rate. This should be adjusted using the same method as water flow in the cooler (i.e. time to fill a one litre container in seconds.

   USE OF A DUMP VALVE IS **NOT** *A REPLACEMENT FOR BLEED OFF*

BLEED OFF RATE SETTING IN SECONDS. (INTERPOLATE FOR OTHER AIR QUANTITIES)

Air Quantity l/s	2300	3600	5200	10000	14000	18000	Water Quality
Time Seconds/litre	240	200	120	80	60	45	Melbourne 40-100 mg/L
Time Seconds/litre	120	100	60	40	30	22	Average 100-400 mg/L
Time Seconds/litre	60	50	30	20	15	11	Hard 400+ mg/L

Note:- Formation of salt deposit in cooler pads indicates insufficient bleed off.

9. Check that sufficient relief area is provided for a full load current check. Load test motor with a Tong-test or clip-on ammeter.
10. Run pump for five minutes to ensure the pads are saturated with water. Run fan on high for five minutes. Remove pads and check that fan motor, pump motor, fan etc are not being splashed with water.
11. Check and ensure sufficient air relief is available via operable windows and/or doors in the cooled area. Required relief is approximately 0.4 square metres per 1000 liters per second supply air.
12. Instruct customer on correct operation and advise that regular maintenance is necessary. Coolers operating under harsh conditions may require more frequent maintenance.

FAULT FINDING

Inadequate cooling

1. Clogged or dirty pads – Clean or replace
2. Dry pads or lack of water while cooler is in operation - Check water distribution system for possible obstruction in tubing. Check pump operation. Check water flow restrictor and level of unit,
3. Insufficient air discharge openings or inadequate exhaust from area being cooled, causing high humidity – Make sure there is adequate provision for exhausting air from area being cooled.
4. High humidity - When outside humidity is high, evaporation rates will be low, thus reducing efficiency of cooler. Turn off water pump for best results.
5. Fan running backwards - Rewire motor for correct rotation.
6. Fan running slow - Check motor amps. If below correct setting (refer data plate), readjust motor pulley to increase speed.

Fan does not start

1. Circuit breaker tripped or fuse blown - Reset or replace fuse. Check circuit breaker for motor start-up and draw suitability.
2. Loose electrical connections - Check and tighten all connections.
3. Faulty control switch – Replace.
4. Faulty motor – Replace and determine rea son for fault.

Overheating Motor *(Trips contactor overload or stops and starts when cooled)*

1. Check motor wiring correct
2. Call Seeley Service

Pump fails to operate

1. Pump motor faulty – replace pump
2. Incorrect wiring of pump and control switch - Correct
3. Loose electrical connections – check all connections.
4. Pump switch faulty – replace switch.

Pump runs but water not circulated or pads dry

1. Insufficient water in base tray - Adjust ball valve/float assembly
2. Pump strainer basket blocked – Remove, clean and replace.
3. Blocked water tubes – remove, clean and replace

SERVICE

Service Maintenance

To ensure your Aira evaporative air conditioner remains in first class working condition for many years, it should be thoroughly serviced (4) times a year. Service schedules should include a service at the end of the summer season and prior to the commencement of the next summer season.

If the unit is used in a 24/7 operation, the service schedule will have to be reviewed.

Health Regulations

Please note that some State Regulations require that Evaporative Air Conditions used for commercial purposes must be service at 3 monthly internals

Owners of commercial air conditioners should contact the Health Authority in their state for servicing guidelines.

Lubrication

Bearings on electric motors and water pumps are sealed for life and do not require lubrication.

End of Season Maintenance

- Turn of the water supply
- Remove filer pad frame assemblies
- Turn off the power at the isolating switch inside the cabinet
- Hose both sides of the filter pad frames to remove dust, salts, pollen etc.

  Warning! Do not use high water pressure when cleaning Chillcel® pads. Damage will occur.
- Check and clean the water distributor channels
- Empty the water reservoir through outlet provided
- Thoroughly clean the reservoir
- Clean the pump filter basket and housing
- Do not replace the drain outlet. If fitted with a drain valve (Sump Dump), ensure that it is open
- Ensure that there is no evidence that water is carrying over onto the motors or pumps. If so, check the pad condition.
- Check the fan blades are tight
- Replace or adjust parts if necessary
- Leave isolating switch OFF and refit pad frames

SERVICE

Pre-Season Maintenance

- Remove the filter pad frame assemblies
- Ensure the air conditioner is turned OFF at the isolating switch
- Replace the drain outlet removed at the end of the season maintenance
- Turn on the water supply and check the water level
- Check the pump has free operation.
- Check the float valve assembly for correct operation and setting of water level.
- Turn air conditioner ON at the Isolating switch
- Refit the pad frames
- Run the air conditioner for a period of time, check pads for an even saturation of water
- Check the bleed off rate is still correct. See table page 8.

Filter Pad Replacement

Replace Chillcel filter pads if they are showing signs of breaking or are blocked with dissolved solid not allow even saturation. The frequency of changing filters depends on the daily use of the air conditioner, the state of the environment and the quality of the water. Each of these affects the life of the pad.

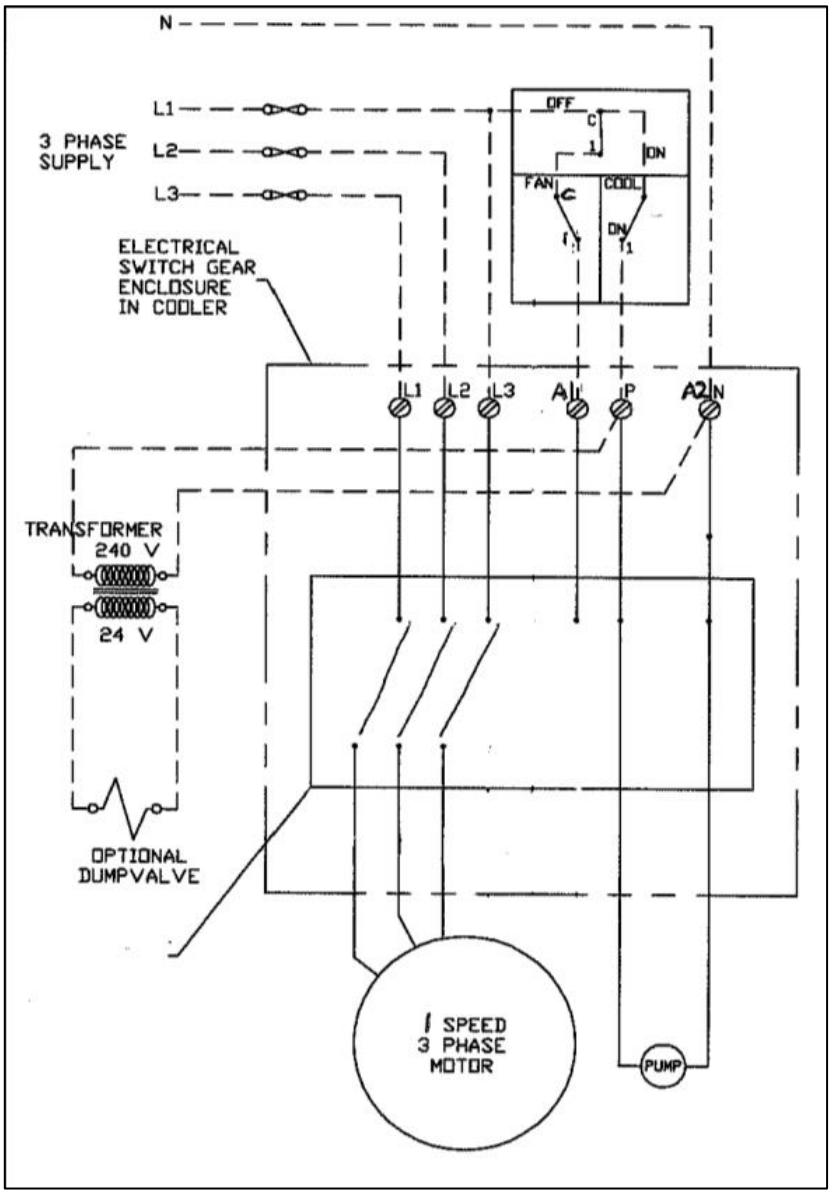
Parts can be from your local Aira / Seeley International service agent.

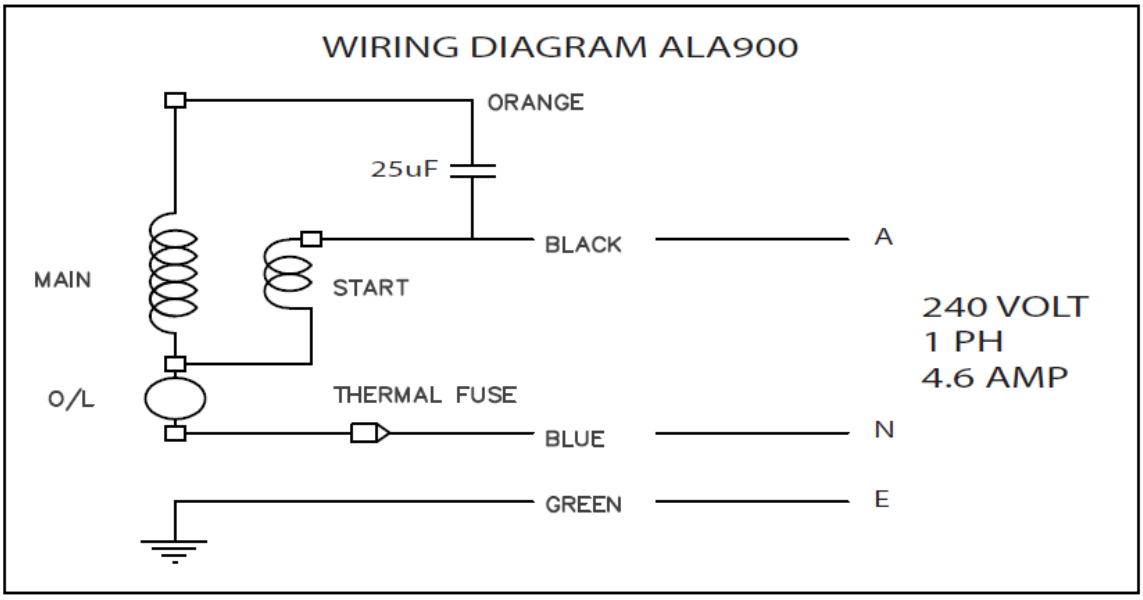
Please note:- New filter pads can take some time to become conditioned and uniformly saturated when water is first applied.

Technical Specifications

Model	ALA 900	ALA 1200
Fan Capacity (l/s)	6,000	11,300
Discharge	Side Only	Side Only
Height (mm)	1480	2055
Width (mm)	1550	1500
Depth (mm)	868	1036
	(+300)	(+300)
Weight (kg)	68	75
Overflow (mm)	20	20
Water Connection (mm)	12.5	12.5

Wiring Diagram - Single Speed




WIRING DIAGRAM ALA900
ORANGE
25uF
BLACK
A
MAIN
START
240 VOLT
1 PH
4.6 AMP
O/L
THERMAL FUSE
BLUE
N
GREEN
E

NOTES

Warranty Terms and Information (Australia ONLY)

In this warranty:

We or us means Seeley International Pty Ltd (Seeley) ABN 23 054 687 035, and our contact details are set out at the end of this warranty;

You means you, the original end-user purchaser of the Goods;

Supplier means the authorised distributor or retailer of the Goods that sold you the Goods in Australia;

Goods means the product, unit, appliance or equipment which was accompanied by this warranty and purchased in Australia; and

Relevant Warranty Period means the various warranty periods as described in clause 1 and clause 2 below, as appropriate.

Our Goods come with guarantees 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 Goods repaired or replaced if the Goods fail to be of acceptable quality and the failure does not amount to a major failure.

In addition to any rights and remedies that You may have under the Australian Consumer Law or any other law, subject to the terms of this warranty, We provide the following warranty:

1. If during the first (1) year from the date of purchase when the Goods are used for commercial or industrial purposes any other component of the Goods proves defective by reason of improper workmanship or material, we will repair or replace at our option the relevant part without charge.

2. The warranties granted under clause 1 and clause 2 do not cover:

    a. fair or normal wear and tear;
    b. Damage, loss or claims caused by, resulting from, or arising out of any utilities that service or are connected to the Goods. This includes but it is not limited to electrical surges, and inadequacies, failure, or other problems in or with any electricity, power, or water supply to the Goods;
    c. after the first year: the replacement, supply, or servicing of consumable items (including without limitation washers, seals, and drive belts); and
    d. Installation (including without limitation ductwork, fittings, and other related installation components) which is excluded.

3. During the period to which any expressed warranty applies, all defective part(s) shall be replaced or repaired (at the discretion of Seeley) without charge for either parts or labour, during normal working hours. Further, we may deem in our absolute discretion to replace the Goods, and if so, we may substitute any similar good even if it is not on our current price/equipment list. Further, Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the Goods.

4. We are under no obligation to repair or replace the parts under clause 1 or clause 2 above (nor do we have any obligation to repair or replace the Goods) if (i) the Goods have not been installed and commissioned properly or competently, (ii) if the Goods have not been operated, serviced and maintained in accordance with the instructions provided in the Owner's Manual, or (iii) if any such service or maintenance has not been properly or competently performed. The addition of any third party device, or the removal or the alteration of any Seeley part, or damage resulting from accident, abuse, or misuse of the Goods, or where repairs have been made or attempted by unauthorised personnel or with non-Aira parts will void this warranty. Further, it is a condition of warranty cover that each item in the Maintenance Schedule in the Owner's Manual (if it was published with such a Schedule) is performed with the frequency indicated, by a qualified, licensed technician, and that the Maintenance Schedule is properly filled out (ie names, signature, date, and action taken) when the item is completed. Any failure to carry out the required maintenance and servicing requirements, and any failure to properly fill out a Maintenance Schedule in the Owner's Manual, will void your warranty.

5. As far as the law permits, we will not be liable for any consequential loss suffered through, or resulting from, the non-operation, or ineffective operation of the air cooler. The warranties granted under clause 1 and clause 2 do not cover damage to the air cooler or other loss resulting from acts of God.

6. No other person, corporation or other entity is authorised to offer, or give on our behalf, any other warranty. The benefits conferred are in favour of you and any person deriving title to the air cooler whilst in its original place of installation. Nothing in this warranty shall be construed as affecting any rights you may have under all the relevant laws, or Commonwealth or State Legislation which give You rights which cannot be modified or excluded by agreement.

7. In order to claim under the warranties granted under clause 1 or clause 2 You must:

    a. either:
        - contact us within the Relevant Warranty Period on: 1300 650 644; or
        - log a warranty claim on our website (website address below) within the Relevant Warranty Period; and
    b. make available for inspection by the service agent who will come to the location of the Goods or send to us at the address below within the Relevant Warranty Period: (i) the legible and unmodified original proof of purchase, which clearly indicates the name and address of the original retailer, the date and place of purchase, the product name or other product serial number, (ii) all of your records of all service and maintenance carried out to the Goods, plus the Maintenance Schedule in the Owner's Manual (if it was published with such a Schedule) (iii) a copy of the completed Warranty Information page in this warranty, and (iv) if an extended warranty period was provided by us for the Goods, then the relevant document provided by us confirming that extended warranty period. If you choose to send the documents described in (i) to (iv) to us, then they must be accompanied by a covering letter which states your name and address and daytime telephone number, the address at which the Goods are installed, and the model and serial number of the Goods.

8. The warranties granted in clause 1 and clause 2 cover the costs of parts and labour but you will be responsible for:

    a. the cost of travel incurred for a Seeley International service agent to get to and from the location of the Goods if the location of the Goods is either: (i) outside the metropolitan areas of the capital cities; or (ii) more than 35 kilometres from an authorised Seeley International branch or service representative; and
    b. any costs for additional labour or equipment associated with gaining acceptable and safe service access to the Goods installed in restricted, high or unsafe locations, and or the removal and replacement of any barrier, walls, roofs, floors, fences etc; and
    c. any costs incurred by the Seeley International service agent in gaining access to the Goods which is necessary to comply with any safety or workplace safety requirements and/or any other relevant regulations. For the avoidance of doubt, the reference to any costs incurred also includes the cost of any necessary site inductions.

9. We are not responsible in any way for any failure and/or inadequate performance of the Goods which arises from or is connected to the use in the Goods of non-genuine spare parts. We strongly recommend that only spare parts supplied or approved by us are used in the Goods.

10. We are not responsible for the installation of the Goods and expressly disclaim all liability resulting from incorrect installations or installations that do not conform to local electrical codes, local plumbing codes, Occupational Health and Safety requirements, and by laws which are legislated or in effect at the time of installation.

11. This warranty is only valid and enforceable in Australia.

Note: We and our service agents reserve the right to refuse service unless safety and accessibility to the unit can be guaranteed.

If a service call reveals no warranty fault found with the Goods, a charge will be made for the call.

Our liability under this warranty is limited to the extent permitted by law. That is, to the extent that it is fair and reasonable, if the Goods are not of a kind ordinarily acquired for personal, domestic or household use or consumption, your remedies associated with any failure or defect of the product will be limited to:

(a) the replacement of the Goods or the supply of equivalent goods;
(b) the repair of the Goods;
(c) the payment of the cost of replacing the Goods or of acquiring equivalent goods; or
(d) the payment of the cost of having the Goods repaired and subject to the terms and conditions included in this warranty.

BARCODE AND SERIAL NUMBER

It is the policy of Seeley International to introduce continual product improvement. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.