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# Owner's Manual

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The logo for Symphony, featuring the word "Symphony" in a blue, stylized font with a white bird icon integrated into the letter 'y'. The logo is set against a green, trapezoidal background.

**DO NOT**  
**Return to store**

For help with installation or warranty issues  
call

+1 725 726 4267 / +1 725 726 4227 or  
[www.symphony-us.com](http://www.symphony-us.com)

For parts Visit our secure website  
[www.symphony-us.com](http://www.symphony-us.com)

**MOVIL 80**

*Please keep this important manual in a safe place. It is the owner's responsibility to ensure that regular maintenance is carried out on this evaporative cooling product. Failure to do so will void all guarantees beyond statutory and legal requirements.*

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## Introduction

### GENERAL INFORMATION

Thank you for purchasing a quality Symphony Evaporative Cooler. We care about your safety and would ask you to spend a few minutes reading these simple instructions before installing or operating this product.

## Safety!



**Read carefully all of these instructions prior to installing and operating the unit.**

- **Read and Save these Instructions.**

**Do not throw these Instructions away.**

- **Complete the unit assembly before attempting to install, refer to pages 7-8.**
- Installation of this cooler in any manner not prescribed by these instructions could cause a safety issue and **WILL** avoid any warranty.
- Use only with a 110 - 120 V~ 60 Hz single phase grounded outlet.
- Do not operate cooler with Rear and Side Filter Panels removed.
- Do not operate cooler with a damaged cord, plug or other component.
- Do not run the power cord under carpet or other floor covering.
- Do not use the power cord with an adaptor plug that converts the 3 pin plug into a 2 prong connector.
- Do not use the cooler with an improperly grounded outlet.
- Do not alter or modify this cooler.
- Do not allow children to install, operate or service this cooler.
- **WARNING:** To reduce the risk of fire or electric shock, do not use this product with any solid state speed control device.
- Use only qualified electricians for replacement or servicing of switches, or electrical motors and components in this cooler.
- Unplug the cooler and press the Motor switch to the OFF position when installing, servicing or cleaning.
- **Stagnant water may cause bacterial growth and serious health problems. Do not allow stagnant water to remain in the tank.**
- Drain and clean the water tank before storage, after seasonal use and whenever the unit is not in daily use.
- This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

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## General

### Introduction

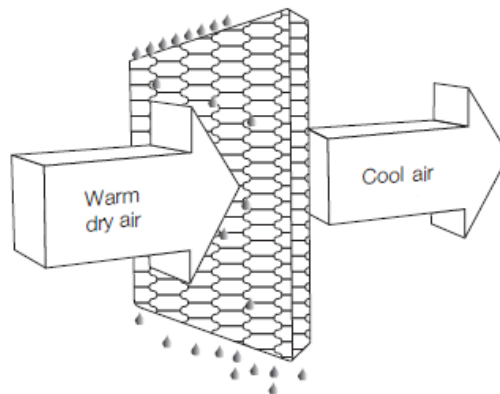
Your evaporative air conditioner is engineered to meet the rigors of harsh environments. Used and maintained in accordance with this manual, it will provide you with years of quiet, cool and environmentally friendly operation. Please take the time to read this manual.

### How does your Evaporative Cooler work ?

Warm air is drawn into the evaporative cooler and enter to High Efficiency filters. Water is pumped to efficiency filters using a submersible pump, warm air is washed through the efficiency filter pads (absorbing the heat) to provide cool fresh air, blower wheels send the cooled air into room, the warm stale air within the room is forced out by the cool air throught open doors or windows.

Evaporative cooler produces fresh air efficiently and inexpensively.

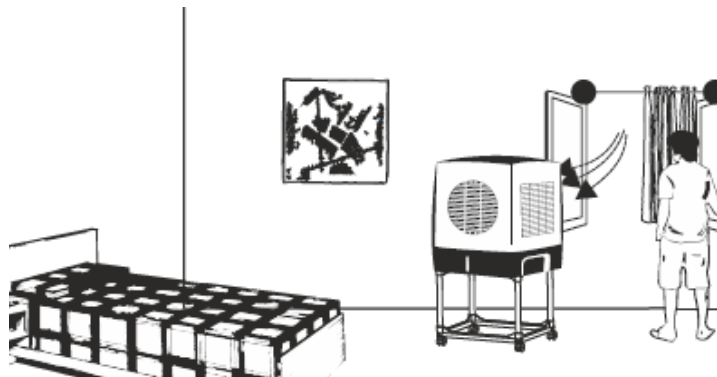
**Please Note: This is not an Air conditioner.**



### Best Performance Location

#### Indoors

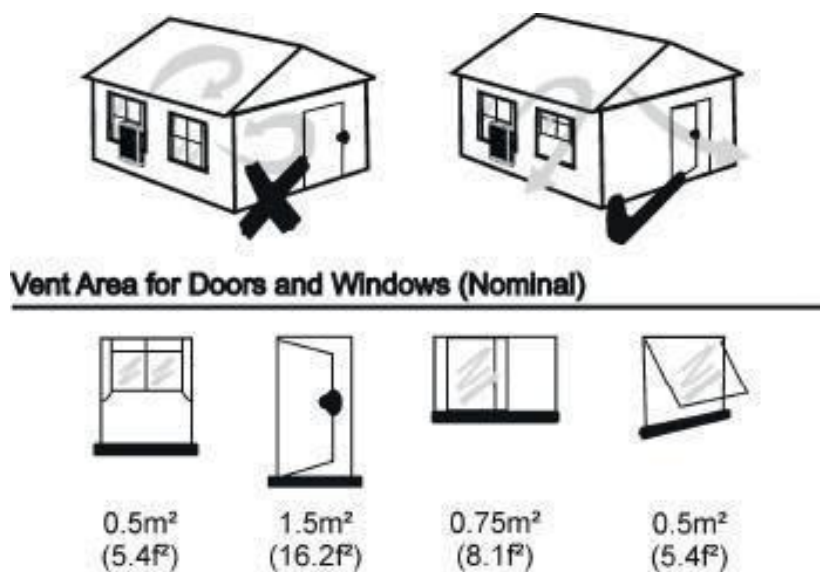
To maximize efficiency, place your Evaporative Cooler in front of an open window, leave another open window or open door in the opposite to exhaust the warm air. The maximum cooling effect is felt when a person is near the flow of air produced by the Evaporative Cooler.



## Operation Instructions

It is essential for successful operation of the evaporative cooler that there be sufficient free air openings in the room to be cooled – approximately  $0.5\text{m}^2$  ( $5.4^2$  feet). Open doors and windows will usually provide this as per the diagrams below.

**Please Note:** - It is important for good ventilation that doors or windows are not open on the windward side of the house. Please note the room furthest away from the cooler needs to have more ventilation than rooms closest to the cooler.



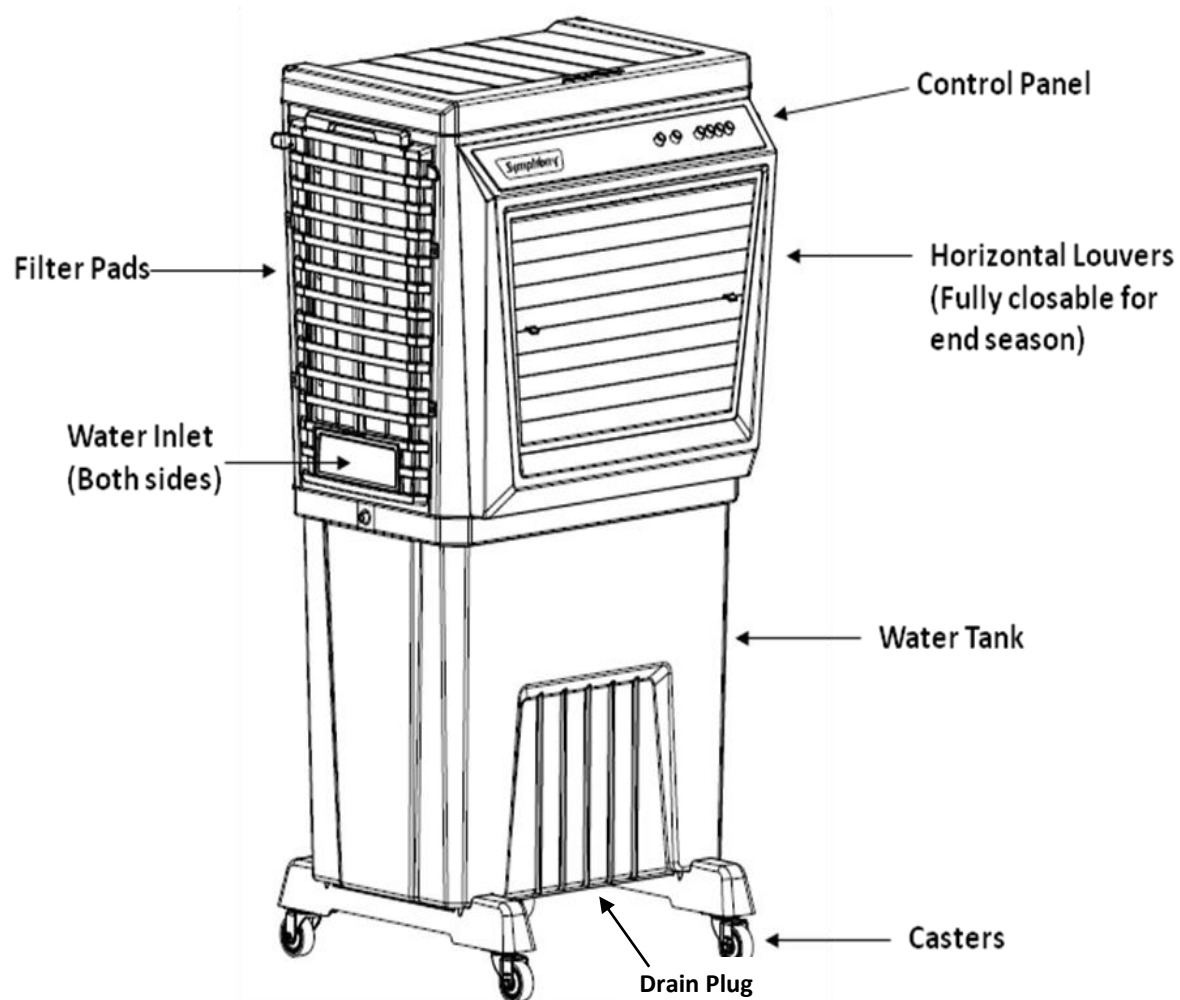
### Outdoors (for outdoor models only)

Use only on GFCI protected outlets/sockets (for USA only). Press the TEST button (then RESET button) every month to ensure proper operation.

Power cords must be secured to avoid tripping.

The wiring and connections must be protected from water. Electrical plug and Evaporative cooler connections must be dry at all times. When used outdoors, insert the air cooler electrical plug into an IP44compliant outdoor electrical outlet.

Set the unit on a solid surface, not recommended to be placed outdoors during heavy rain or snow.

**Product Specifications**

<b>MODEL</b>	<b>MOVIL 80</b>
<b>Voltage</b>	<b>120 VAC, 60 Hz, 1 Phase</b>
<b>Amperage</b>	<b>1.8 A</b>
<b>Tank Capacity</b>	<b>21 Gallons (80 Lts)</b>
<b>Net Weight</b>	<b>19 Kg</b>
<b>Unit Dimensions Assembled (H X W X D)</b>	<b>45 in X 24 in X 19.68 in</b>

# Installation

## Installation Requirements

### Tools

- Cordless Screwdriver
- PH2 bits
- Phillips Head Screw Driver

### Materials Required (Not supplied)

- Sillcock Valve - for water line connection to faucet (see pg. 9)

## Unit Casters Installation

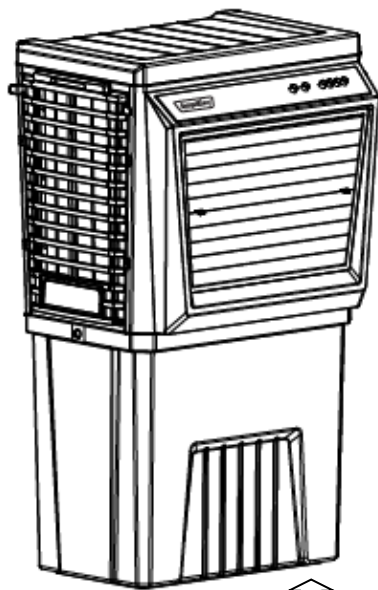
Please follow the instructions for a correct product assembly.



**DO NOT connect the power to the cooler until the installation is complete.**

- Remove the product from the packaging.
- Locate the Casters kit.
- Insert the Casters Block Raisers into the bottom of the equipment.
- For Assemble, use the 10 screws (8 X 19 mm) included in the casters kit.

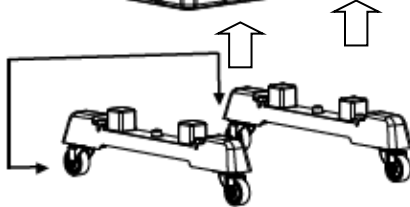




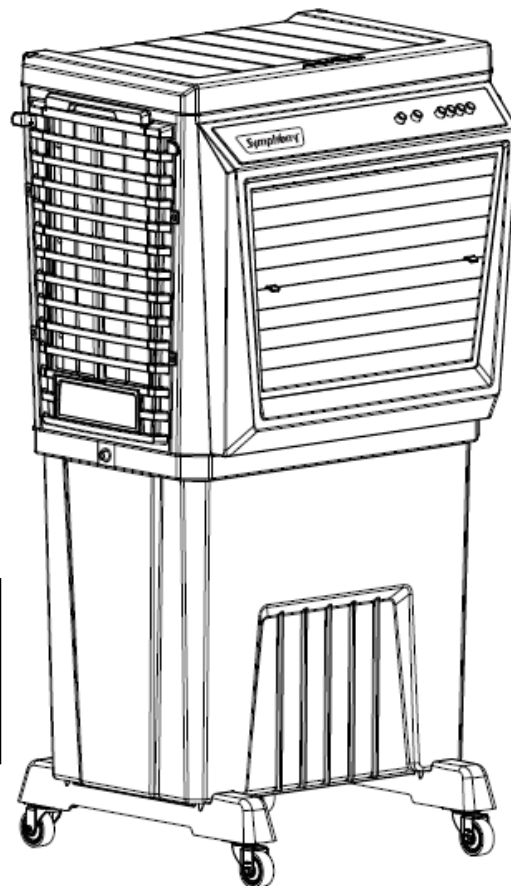
10 Pcs  
Screws (8 X 19 mm)



**Casters with  
brakes must be  
positioned at the  
rear of the  
product.**



Introduce the screws into the holes of each  
block raisers and fit.  
Ensure that the Caster block raisers are fixed  
rigidly to the water tank of cooler

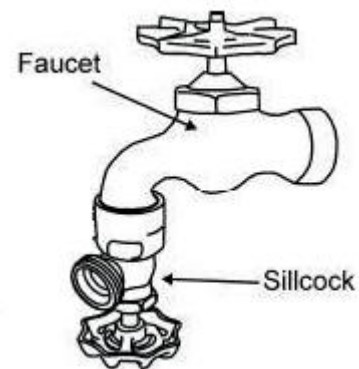
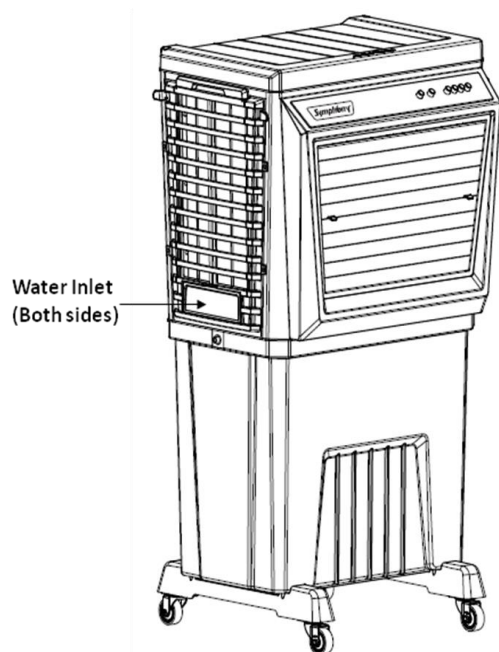




### Water Connection

Install a sillcock (not supplied) to the faucet closest to the cooler.

Using a Spout bucket or plastic hose, add clean water into the water inlets, to tank. Check the water level indicator on the Right Side of water tank to see when the water tank is full.



Your cooler is now ready for startup checklist (see next page).

## Before Startup

- Check that another door or window in the room is open to allow air to exhaust to other parts of the house.
- Ensure that the filters are kept clean.
- Ensure that the water tank is filled with clean water (at least 5 gallons or 20 liters).
- Plug the cooler into a 110 V - 120 V~ 60 Hz single phase grounded appliance socket on the inside of the house and switch the socket on.
- Press the COOL button to on the water pump.
- Press the Speeds buttons and check the operation of the three speeds motor.
- Leaving the unit in the COOL mode for 15 minutes, you may notice a wet paper smell as the water circulates around the filter pads. This is normal during the commissioning phase and at the beginning of each season when the unit is operated after the winter break. It will only last for a short time.
- Drain completely water tank removing drain plug and refill again the water tank to water level desired.
- Do not add any chemical odor enhancers or liquid detergent of any kind to the tank.
- **IMPORTANT.** After the first 10 hours of operation in COOL mode, the water must be drained from the unit water tank to remove any new product residuals. This process must be repeated after a further 10 hours of COOL mode operation. (See page 12 for removing the Drain Plug). To clean the tank you must only remove the Drain Plug.

## Operating the unit

This Symphony cooler is only operated in Manual mode. This is selectable by pressing switches on the front panel. COOL, SWING and MOTOR functions are available.

### Manual Mode:



- ① Motor OFF**
- ② Motor Speeds**
- ③ COOL**
- ④ Vertical Swing**

**1. Motor OFF :** Stop Motor Operation

**2. Motor Speeds:** Press Motor Speed button, High , Med or Low, according to your comfort.

**3. COOL:** Press Cool button to start Water pump function, release the button to stop operation.

**4. Vertical swing:** Press Swing button to start Air Oscillation function, release the button to stop operation.



**Before starting any maintenance work on your unit, ensure it is disconnected from the power supply.**

**Note:** It is essential that your evaporative air conditioner is maintained in accordance with this manual. Failure to do so will affect the life of the product and reduce the level of efficiency.

THIS MANUAL CONTAINS A 5 YEAR MAINTENANCE PLANNER TO USE IN CONJUNCTION WITH THE-SE INSTRUCTIONS. See page 14.

Remove Rear and Side Filter Panels fixing screws (12 off).

## **General**

### **Filter Pads**

Visually check Filter pad for damage or blockage. Gently hose down pad from both sides to remove any build up of salts, dust and pollen. In dusty areas more regular cleaning is recommended. Check the water distributor, making sure it is clear and free from blockage. Failure to do so may lead to uneven water distribution and therefore less efficient operation.

### **Water Tank**

It is important to keep the water tank clean and free from sediment and algae growth. Using a small soft bristle brush, brush all surfaces in the tank while it is full of water. Turn off the water inlet to the unit (an isolation valve should be fitted to the water inlet before the float valve or at the water supply faucet). Drain the tank by removing the drain plug and afterwards replace the drain plug and open the water valve. After refilling, it may be necessary to repeat this procedure if the tank is very dirty.

### **Water Distributor**

Check the water distribution system for blockage in top.

### **Motor and Blower Wheel**

Check that the blower wheel spins freely. Check the motor for corrosion and spray with an anti-corrosive agent if necessary.

### **Pump Operation**

Check the pump spins freely and that the strainer is clean.

After a long idle period, the pump may stop rotating due to a mineral build up on the stainless shaft adjacent to the motor. To free the pump shaft, remove mineral build up and rotate the shaft using fingers or suitable sized pliers.

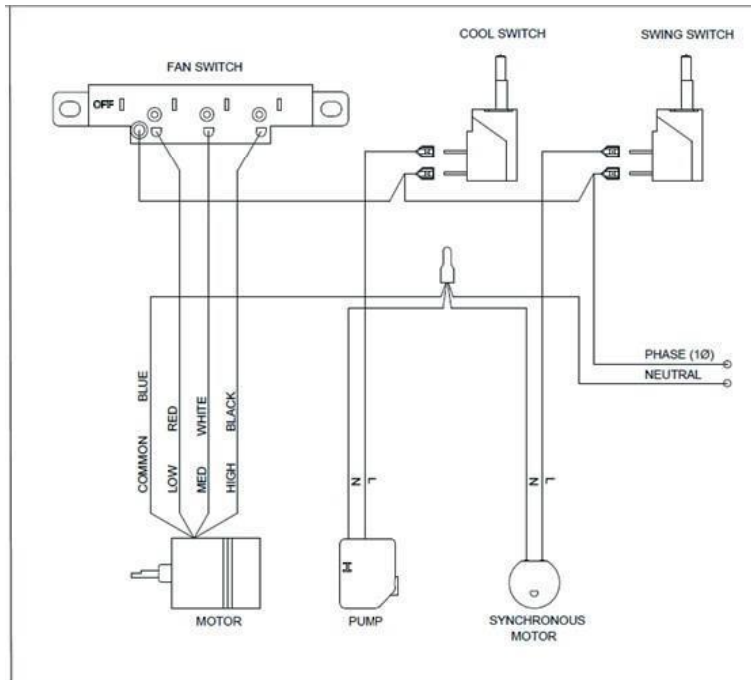
Spraying the area with suitable water displacement lubricate (such as WD-40®) may assist

## Electrical



No general maintenance is required to the electrical system.

Electrical connections and maintenance should only be carried out by a qualified electrician.



## End of Season

If the Evaporative Cooler will not be used for a long time:

- Make sure all parts are dry by running nly the Motor during 2 hours before storing (time depends on ambient humidity conditions)
- Switch OFF the Motor and unplug the evaporative cooler from the power supply
- Drain all the water from tank, remove the Side Pads and clean the water tank with a damp cloth to wipe away any dust or mineral deposits finally replace the Side Pads.
- To protect model from dust, moisture or scratches, cover with a clean cloth, tarp or plastic bag before storing.
- Roll the power cord and store it away from the floor to protect it.
- Store this model at room temperature in a dry location, away from direct sunlight and/or very hot, cold or damp environments.

**5 Year Maintenance Planner**

			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year
<b>PRESEASON CHECK</b>	1.1	Check quality of filters					
	1.2	Check Motor & pump					
	1.3	Fill unit with water					
	1.4	Start unit					
<b>FIRST MIDSEASON SERVICE</b>	2.1	Check and clean filters					
	2.2	Drain, clean and refill water tray					
	2.3	Check strainers and filters					
	2.4	Check unit operates correctly					
<b>SECOND MIDSEASON SERVICE</b>	3.1	Check and clean filters					
	3.2	Drain, clean and refill water tray					
	3.3	Check strainers and filters					
	3.4	Check unit operates correctly					
<b>END OF SEASON SERVICE AND SHUT DOWN</b>	4.1	Turn off water supply					
	4.2	Drain and clean unit					
	4.3	Leave Drain plug removed					
	4.4	Check motor and pump and spray with a water displacement lubricant					

To Order Parts

[www.symphony-us.com](http://www.symphony-us.com)

For Technical Advice/Warranties

**+1-725-726-4267****+1-725-726-4227**

PROBLEM	PROBABLE CAUSE	REMEDY
Unit fails to start	a Power Failure	a Wait for power to be turned on
	b Tripped Circuit Breaker	b Reset circuit breaker
	c Blown fuse	c Replace
	d Electrical Fault	d Call Symphony Care Line
	e Motor Failure	e Change the motor
Filter Pads not wetting	a Not enough Water in Tank	a Add clean water in tank (at least 5 Gallons / 20 Liters)
	b Pump failure	b See Maintenance page- Pump section / Replace water Pump
Filter Pads too wet	c Electrical Fault with pump	c See Maintenance page- Pump section / Replace water Pump
Water leaking from Overflow holes	a Water level exceeded in water tank	a Close the water input valve
	b	b Drain some water in tank
Water Droplets in air stream	a Loose Pump pipe	a Check and tighten
	b Break in hose	b Replace as necessary
	c Pump appears to deliver excessive water to pads	c Check the condition of the filter pad. Wash if pad shows heavy buildup of minerals
Excessive humidity	a Not enough air flow	a Increase Fan speed
	b Inadequate Exhaust	b Provide more open area to exhaust stale air by opening windows and doors in adjacent rooms.
Inadequate Cooling	a Dirty Filters	a Clean Filters
	b Dry Filters	b Check control set on COOL Mode. Check water delivery system. Adjust if necessary.
Unpleasant Odor	a Unit located near odor source	a Remove source
	b Algae in water tank	b Clean tank and refill with fresh water

ANY FURTHER PROBLEMS PLEASE CONTACT YOUR  
**SYMPHONY CUSTOMER CARE LINE**

## Warranty

### Condition of Warranty (U.S.A.)

We extend this limited warranty to the original buyer (first retail purchaser) and warranty that the product shall be free from manufacturer defects in workmanship and materials for 12 months from the date of purchase.

A. Warranty will come in with effect when following conditions are met with:

- a) Warranty registration card duly filled and received by the company within 10 days from the date of purchase.
- b) Product is operated following the recommendations explained inside the user manual.

B. The company's liability under the warranty will be limited only to motor, pump, louver motor, remote, PCB and also restricted to any such defect which occurs under conditions of normal operations and under proper use. Any part/s replaced by the company at its discretion shall be a functionally operative unit.

C. This warranty shall not apply to product:

- 1) Which have not been purchased from authorized distributor through their network or company's authorized retail stores.
- 2) Which have been altered/opened by any other personnel not authorized by the company.
- 3) Incorrectly used in combination with any other substance or products.
- 4) Which are used for commercial rental purpose and/ or which develops problems due to faulty care or maintenance and alterations to product or its parts.
- 5) Which is subjected to electrical supply for which the product is not designed.
- 6) Warranty will void if the product is operated with a sub-standard inverter or non-sine wave inverter.
- 7) If documentation of buying is not available to validate an original purchase.

D. While the company will make every effort to carry out the repairs at the earliest, it however is made expressly clear that the company is under no obligation to do so in a specified period of time.

E. This warranty shall automatically terminated on expiry of the warranty period of 12 months from the date of purchase even if the product may not be used for any time during the warranty period for any reason whatsoever.

F. Cooling pads and outer plastic parts are not covered under warranty.

G. The company shall not be liable in any case for any loss or damage caused to any property, death or disability caused to any human life arising out of fire, electrical fault, short circuit, accidental handling or any kind of natural calamity. As, such the company's liability is limited to the cost of the spare parts of the said products only.

H. Change of address of the customers must be intimated to the company without which the warranty shall not be operational.

I. Due to ongoing research and development, the company holds the rights to modify the product without any prior notice or obligation to buyers.

J. Purchaser should retain the purchase bill as evidence of the date of purchase. Copy of the purchase invoice should be given to the visiting service technician while attending the complaint. In case of any alteration in the date of purchase invoice is found without sign and seal of the dealer, the warranty shall be void.

K. During the warranty, customer is not entitled for exchange of product or refund money.

L. The company does not have any Annual Maintenance Contract (AMC) policy.

M. Warranty will be applicable if registered within 21 days of purchase.

### Warranty Period

Product Model	Parts
MOVIL 80	12 Months