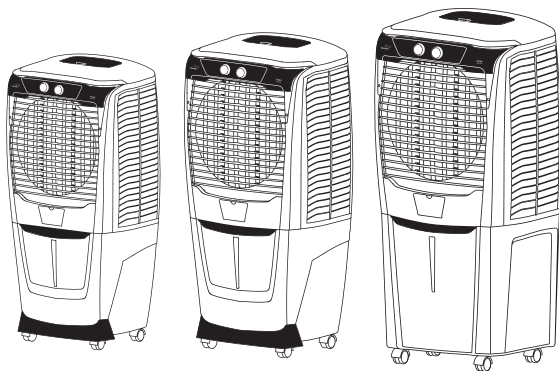


USER MANUAL



* 2 year warranty on motor & pump only

V-GUARD AIR COOLER

DESERT SERIES

**BEST IN CLASS
AIR DELIVERY**

**AERODYNAMICALLY
BALANCED BODY**

Dear Customer,

Congratulations!! for being the proud owner of a V-Guard Air Coolers. You have made an excellent choice and we hope you will enjoy all its specialities. This product comes to you from a company committed to total quality and dedicated to customer delight since 1977. Every V-Guard Air Cooler is brought to you after an exhaustive and thorough series of testing procedures those cover every aspect of its functioning, performance and efficiency under varied operating conditions.

TECHNICAL SPECIFICATIONS

| Category | Desert | | |
|---|---------------------|---------------------|---------------------|
| Model Name | Arido/Windy D55 H-N | Arido/Windy D75 H-N | Arido/Windy D88 H-N |
| Cooling Media | Honeycomb | Honeycomb | Honeycomb |
| Supply Voltage | 230V, 50Hz AC | 230V, 50Hz AC | 230V, 50Hz AC |
| Air Delivery (m ³ /h) [#] | 2700 | 2700 | 2700 |
| Room Size (sqft). ^{##} | 300-318 | 300-318 | 300-318 |
| Power Consumption in Watts | 190 | 190 | 190 |
| Speed Levels | 3 Speed | 3 Speed | 3 Speed |
| Air Deflection | 4 Way | 4 Way | 4 Way |
| Water Tank Capacity | 55 | 75 | 88 |
| Dimensions (W x D x H) cm | 61.0x40.5x113.0 | 61.0x40.5x120.0 | 61.0x40.5x122.0 |

^{##}Standard height of room (H) is 10'. Total air Volume in the room that gets delivered every 2 minutes.

[#]Air delivery is mentioned in cubic meter per hour.

Safety : Earthing is provided.

Note : All above mentioned Specifications are under standard test conditions & actual performance may vary as per usage conditions.

: Design, Specifications & Aesthetics are subject to change without prior notice due to continuous development.

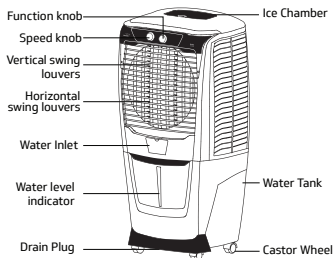
: Don't use hard water or soap water, which may result in the low performance of the main motor/pump. We recommended to use clean water only.

COOLER FEATURES

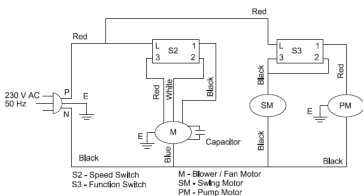
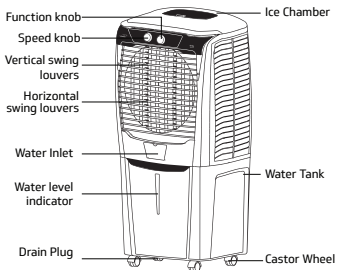
- **Aerodynamically balanced body**
Provides stability and sturdiness to the product
- **Tetra air flow cooling**
For equilateral cool air flow to all directions & for more area coverage (Function of louvers)
- **Thicker honeycomb pads (In selected models only)**
Long lasting & antifungal cellulose honeycomb cooling pads.
- **Unidrip flow water distribution**
To ensure proper wetting of coolingpads by uniform water distribution.
- **Best-in-class air delivery**
To feel the blast of cool air up to the extreme end of room
- **Wide voltage working range(160V ~ 270V)**
Product even runs on extreme input voltage conditions in urban & rural areas
- **Enhanced protection for main motor & pump**
Safeguard provision against extremeusage conditions & malfunctioning.
- **Works on inverters**
Ensures working of product on Inverter
- **Water level indicator**
To show the water level in the tank
- **Freewheeling castors**
The cooler is mounted on castors, which makes it convenient to wheel around from one place to another, even a child can move it around.
- **Auto-fill float valve (In selected models only)**
For un-interrupted water supply in cooler tank and to avoid manual filling of water
- **Ice chamber for enhanced cooling (In selected models only)**
Provision given for accelerated cooling

KNOW YOUR V-GUARD AIR COOLER

D55H-N,D75 H-N



D88 H-N

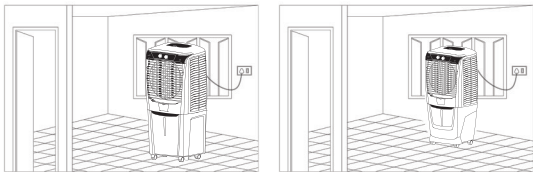


APPLICATION

The Air Cooler is designed to be placed on the ground/floor of the room. The following are some of the applications for which the V GUARD AIR COOLER can be used.

Living Room • Dining Room • Offices • Restaurants • Bed Room • Kitchens • Clinics • Study Room • Shops • Balcony • Hotel Rooms

1. Air Cooler should be operated on a flat surface. Try and avoid placing it on an inclined or irregular surfaces for better performance.
2. Place the Air Cooler at least 10 cm away from the wall or any other obstruction. The cooler should be placed near a window/door to allow in fresh air.
3. Always ensure that there is another open window/door through which warm air can exhaust from the room. Cross ventilation is essential for getting the best results from your Air Cooler.
4. Plug in the mains cord of your Air Cooler to a wall socket. The Air Cooler should be connected through shock protection devices, like ELCB and short circuit protection device like MCB.
5. While plugging in the mains cord please ensure that phase (L) & neutral (N) of the mains cord should match with the phase and neutral of the socket as per standard.



OPERATION

1. Install the Air Cooler as per the installation procedure.
2. **Filling of Water / Adding of Ice:** Just fill the water tank (as per tank capacity) of your Air Cooler through the water inlet port. The water level indicator will show the water level in the tank. It is advisable to use a tumbler to fill the water to ensure no spillage (Ensure the power point is off while filling the water). Alternatively, the auto fill valve can be connected to a garden hose supply and the float valve ensures that the tank remains full always. To obtain chilled air just put ice cubes into the ice chamber at the top of the cooler.
3. **Power Supply:** Ensure that your Air Cooler is plugged into specified voltage & frequency outlet only. Also ensure proper earthing of power point. Switch 'ON' the power supply.
4. **Pre-Soaking:** Before turning ON the Air Cooler fan, it is advisable to run the pump for few minutes by rotating the FUNCTION knob to "COOL/PUMP" mode, this will ensure uniform soaking of the cooling pad & avoid sprinkling of water if any. Also, 2-3 drain cycles has to be carried out on the purchase of the Air Cooler to eliminate the smell of cooling pads.
5. **Panel Removal/Fixing:**
 - A. Back Panel - Remove the thumb screws on the back panel to separate the panel from the Air Cooler. While fixing the back panel, position the bottom side first and then fix the thumb screws.
6. **Better Performance:**

For better air blast run the cooler on high speed. Run the cooler on low speed to get better cooling & low noise level.
7. **Controls:**
 - A. Set the SPEED Knob to desired level viz. WINDY, GENTLE, QUIET (i.e. High, med, low) of air delivery. If you want to use the cooler in the COOL mode; Set the FUNCTION Knob to COOL/SWING position to obtain continuous horizontal oscillation of air.
 - B. If you need a focused blast of cool air, wait for the blast to focus in the direction you desire and the turn the FUNCTION Knob to COOL position.
 - C. When you want to use the cooler in FAN mode; set the FUNCTION Knob to SWING position to obtain continuous horizontal oscillation of air. If you need a focused blast of cool air, wait for the blast to focus in direction you desire and the turn the FUNCTION Knob to COOL position

SAFETY PRECAUTIONS

- Always disconnect the mains supply before filling in water.
- Do not fill water beyond the over flow level.
- Do not try to fill water into the Air Cooler while in operation.
- Do not move the Air Cooler rapidly when there is water in the tank.
- Always disconnect the mains before opening the cooling pads and panels.
- Be particular & careful when using the Air Cooler near curtains. Keep safe distance from the curtains.
- Company is not responsible if any shock / injury occurred in case the Air Cooler is not connected through shock protection device like ELCB.
- Children must not be allowed to operate / play with the Air Cooler.
- Alternating current (AC supply) has the potential to induce an EMF in the motor casing. So, it's very important to ground the case with earthing via power cord.

OPERATIONAL CARE AND REGULAR MAINTENANCE

Operational Care

- When your Air Cooler is not in operation, make sure to switch all the switches to OFF position.
- Operate the Knobs gently.
- Close the water inlet of the Air Cooler after filling the water.
- Do not wipe the Air Cooler with harsh chemicals, scrubbing powder or thinner as they will damage the body.
- Do not keep any heavy loads on top of your Air Cooler.
- Do not add any bleaching agents/perfumes into the water in the tank as it may reduce cooling efficiency
- Before moving or relocating the Air Cooler, ensure that the mains cord is unplugged and the water tank is empty.
- Do not immerse the unit in water.
- Do not use any cleaning chemicals such as detergents and abrasives.

Regular Maintenance

Periodic maintenance helps to keep your Air cooler in good condition.

- It is recommended to drain the Air Cooler and clean the cooling pads every month.
- Replace the HONEYCOMB PAD once in two/three years & replace the cooler pad once a year in case of WOOD WOOL.
- After the summer season, ensure that the water is drained off completely & pads are dried before storage.

TROUBLE SHOOTING

If the Air Cooler fails to operate, please check the following before calling for service.

| Problem | Possible Cause | Solution |
|---|--|---|
| Air Cooler fails to operate/ No discharge of air | Power cord is not plugged in | Make sure that the power cord is plugged in & the supply switch is "ON". |
| | Power is not "ON" | Try to turn the unit ON by rotating the Speed Knob. |
| | | Check electrical supply at power point and control panel. |
| | Speed switch is at OFF position | Ensure speed position is not in OFF. |
| Motor faulty | Contact service centre | |
| Not cooling/ Unit is making noise | Low or No water in tank | Refill the water tank as per the water level and tank capacity |
| | Pump is not turning ON | Turn ON the cool/pump function from control panel. |
| Odour from cooler | When the cooler is new | Cooling media will have an odour which will dissipate within a week of initial use. |
| | If the cooler has been used, there may be an algae issue | Replace the water in the tank or clean the cooling pad. |



V-Guard Industries Ltd.

Registered Office:

42/962, Vennala High School Road,
Vennala, Kochi - 682028, Kerala, India.

www.vguard.in

SCAN TO AVAIL THE
**DIGITAL
WARRANTY**
BY REGISTERING YOUR
PRODUCT ONLINE



V-Guard Care
0120 485 0100
1860 180 3000
customercare@vguard.in
☎ 9633503333

