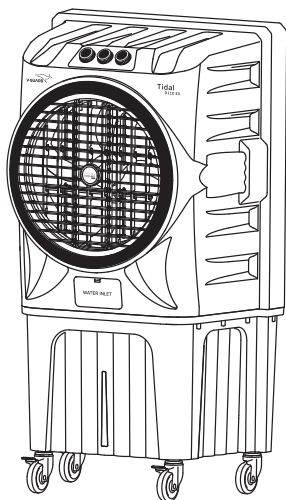


## USER MANUAL & WARRANTY CARD



COMMERCIAL AIR COOLER

# TIDAL D110 EX

Long lasting cooling

\* 2 year warranty on motor & pump

**2** YEAR  
WARRANTY

POWERFUL FAN FOR  
SUPERIOR AIR THROW

THICKER HONEY COMB  
PADS FOR LASTING COOLING

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

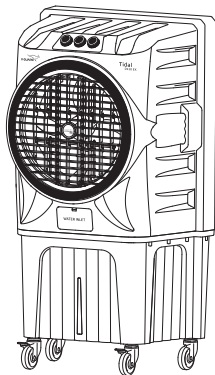
<b>Model No.</b>	<b>TIDAL D110 EX</b>
Supply Voltage	230V,50Hz AC
Power Consumption in Watts	375
Speed Levels	3
Air Deflection	4 way
Water Tank Capacity up to overflow in Liters	110
Air Delivery in m <sup>3</sup> /h <sup>#</sup>	4800
Room Size (Sqft). <sup>##</sup>	450-516
Cooling Media	Honey Comb
Dimensions (W x D x H) cm	82 x 63 x 139

<sup>#</sup>Standard height of room (H) is 10'. Total air Volume in the room that gets delivered every 2 minutes. <sup>#</sup>Air delivery is mentioned in cubic meter per hour.

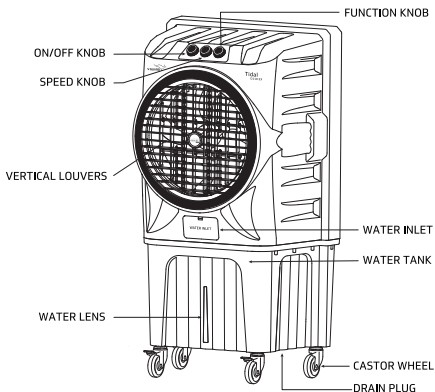
- Safety : Earthing is provided.
- Note : Working water pressure for float valve should not cross 3kg/cm<sup>2</sup> (Approx 9.14 meter head). In case of higher input water pressure, PRV (pressure regulating valve) is must.
- : All above mentioned Specifications are under standard test conditions & actual 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 to the product & sturdiness.
- **Tetra air flow cooling**  
For equilateral cool air flow to all directions & for more area of coverage (Function of louvers)
- **Ball Bearing Motor**  
Double-ball bearings will help protect against jamming of motor increasing motor life and reducing the percentage of motor failures to achieve long-lasting performance.
- **Unidrip flow water distribution**  
To ensure proper wetting of cooling pads by uniform water distribution.
- **Best-in-class air delivery**  
To feel the blast of cool air up to the extreme end of room
- **Higher Tank Capacity**  
Greater storage volume for longer cooling, which allows you to experience cool air for a longer time.
- **Corrosion resistant fan**  
To avoid rusting of fan, which will lead to unnecessary service calls.
- **Enhanced protection for main motor & pump**  
Safeguard provision against extreme usage conditions & malfunctioning.
- **Thicker Honeycomb cooling pads**  
For Greater Cooling
- **3 Pin Plug with Earthing**  
Earthing wire for better safety of product and usage.
- **Water level indicator**  
To show water level in tank
- **Heavy Duty Industrial Casters with Front lock**  
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.

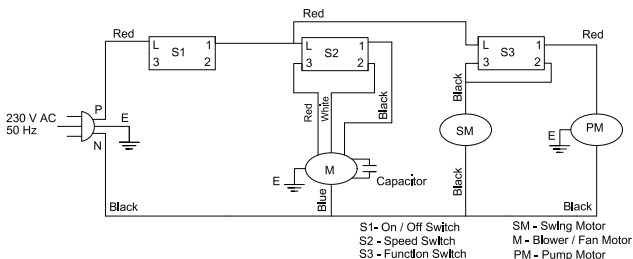


## TIDAL D110 EX



## WIRING DIAGRAM

### TIDAL D110 EX



## APPLICATION

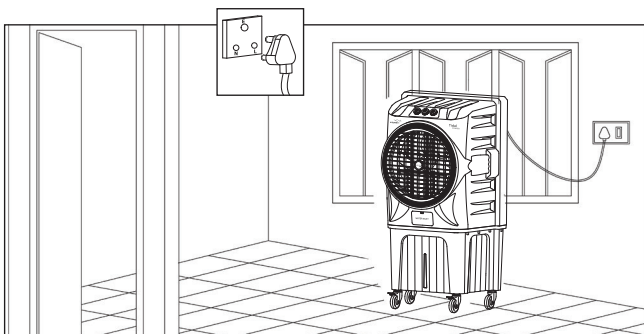
The Air cooler has been designed for placing on ground/floor inside the room. You can enjoy the comfort, it provides where you need it most. Some of the applications to which V-GUARD AIR COOLER can be adapted are.

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

In fact, the applications of your V-GUARD AIR COOLER are limitless

## INSTALLATION

1. 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.
2. Always ensure that there is another open window / door through which warm air can exhaust from the room. Constant air change is very essential for fresh air cooling by your Air Cooler.
3. Plug in the mains cord of your Cooler to a wall socket. The Air cooler should be connected through shock protection devices, like ELCB and short circuit protection device like MCB.
4. While plug 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.



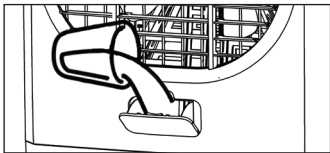
## OPERATIONS

1. Install the Cooler as per Installation procedure.

### 2. Filling of Water:

Just fill water tank (as per tank capacity) of your air cooler through the water inlet port. The water level indicator will show when the tank is full. It is advisable to use tumbler to fill the water to ensure no spillage (Ensure the power point is OFF while filling water).

WATER POURING



### 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 Cooler blower, it is advisable to run pump for few minutes by rotating FUNCTION Knob "COOL/PUMP" mode, this will ensure uniform soaking of cooling pad & avoid sprinkling of water if any. Also, 2-3 drain cycles to be carried out on purchase of the air cooler to eliminate smell of honeycomb pads.

#### 5. 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.

#### 6. 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 then turn the FUNCTION Knob to COOL position.

C. When you want to use the cooler in BLOWER 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 then turn the FUNCTION Knob to COOL position

## SAFETY PRECAUTIONS

- Always disconnect mains supply before filling water.
- Do not fill the water beyond the full mark on the water level indicator.
- Do not try to fill the water into the cooler when in operation.
- Do not move the cooler rapidly when there is water in the tank.
- Always disconnect mains before opening cooling pads and panels.
- Be particular & careful when using the 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 cooler.
- An 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.
- Do not wipe the cooler with harsh chemicals, scrubbing powder or thinner as they will damage the body.
- Do not keep heavy load on the top of your Air Cooler.
- Do not add any bleaching agents into the water in the tank.
- Before moving or relocating the cooler, ensure mains cord is unplugged and 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 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 water is drained off completely & pads are dried before storage.

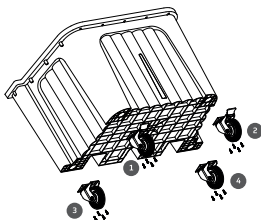
# TROUBLE SHOOTING

If 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 water tank as per water level and tank capacity.
	Pump is not turning ON	Turn ON 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 water in the tank. Clean the cooling pad.

# GUIDELINES TO ASSEMBLE THE CASTER WHEELS IN AIR COOLER

एयर कूलर में कैस्टर व्हील फिट करने के लिए दिशानिर्देश।



Wheel Fitment Sequence (Facing Tank Lens)

1. Front Left (with Lock)
2. Front Right (with Lock)
3. Back Left (with out Lock)
4. Back Right (with out Lock)

- Align the four caster plate holes with the tank holes and screw the 4 nos of screws into holes provided on the tank base as shown. कैस्टर प्लेट के चार होल को टैंक के होल से मैच करे और इसे चार स्कू के साथ टैंक में फिट करें जैसा की चित्र में दिखाया गया है।
- The screw should be inserted perpendicular to the caster wheel. सभी स्कू को व्हील होल को बराबर रख कर सीधे टैंक के छेद में फिट करना है।
- Do not move the cooler rapidly when there is water in the tank. जब टैंक में पानी हो तो कूलर को तेजी से न चलाएं।



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



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Plastic Waste **EPR** Registration Number: **BO-13-000-07-AAACV5492Q-22**