



# **Inline Duct Fan**

## **Instruction Manual**



**READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

**CAUTION! THIS FAN IS DESIGNED FOR GENERAL VENTILATION USE ONLY. DO NOT USE TO EXHAUST CORROSIVE, HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.**

## **BEFORE INSTALLATION**

**WARNING! TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS, PLEASE OBSERVE THE FOLLOWING SAFETY PRECAUTIONS:**

1. **This fan has rotating parts!** Turn impeller by hand to ensure that it rotates freely.
2. Ensure that electrical service to fan is locked in the “**OFF**” position to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device such as a tag to service panel.
3. Do not re-establish power supply until fan and activation device are completely installed.
4. Installation work, including electrical wiring, must be performed by a qualified person in accordance with all applicable codes and standards, including local fire codes.
5. Check that voltage matches fan motor nameplate rating.
6. Fan is intended to be hard wired to a properly rated electrical circuit, and must be properly grounded. Do not use an extension cord.
7. Fan motor is equipped with thermal overload protection, which causes fan to shut off automatically if motor overheats. If this should happen, immediately disconnect and lock power supply to fan. **Do not attempt to work on fan without disconnecting power supply; fan may restart without warning!**
8. This unit has an unguarded impeller. Do not use in locations readily accessible to people or animals.
9. NEVER place a switch where it can be reached from a tub or a shower.
10. When used to exhaust moist / humid air, fans must always be vented to the outdoors.
11. When cutting into walls or ceilings, take care to not damage electrical wiring or other hidden utilities.
12. The combustion airflow needed for safe operation of fuel burning equipment may be affected by this unit’s operation. Follow the heating equipment manufacturer’s guidelines and safety standards, such as those published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and local code authorities.

## **RESIDENTIAL RANGE HOOD APPLICATIONS**

1. For residential range hood applications, fan must be used with a proper grease filtering system. Grease filters must be cleaned regularly.
2. To reduce the risk of injury, fan must be installed at least 7 feet (2.1 meters) above the floor.
3. Fan must be inspected regularly. Remove any obstructions and clean all grease from the fan and impeller surfaces.

## **FAN INSTALLATION**

1. Rotate fan impeller by hand, ensuring it rotates freely.
2. Locate fan as close as possible to discharge point, while still providing access to perform maintenance.
3. Ensure that mounting location can support the fan assembly.
4. Attach mounting brackets to the fan.
5. Air flow direction is indicated by arrow on the electrical box.
6. Mount fan using the brackets provided (fan may be mounted in any orientation, however vertical mounting is recommended to reduce condensation build-up in the fan). Ensure that electrical box is accessible.
7. Attach duct to inlet and outlet of fan housing using clamps (insulated duct recommended in unheated areas).
8. Seal fan to duct using duct tape to prevent air loss.
9. Confirm that supply voltage matches motor name plate rating.
10. Make electrical connections to fan junction box.
11. These fans are suitable for use with a speed control.

## **RECOMMENDED MAINTENANCE**

1. When undertaking maintenance or service work, ensure that electrical service to fan is locked in the "OFF" position to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device such as a tag to service panel.
2. Do not re-establish power supply until maintenance or service work has been completed.
3. Maintenance or service work must be performed by a qualified person in accordance with all applicable codes and standards, including local fire codes.
4. Impellers must be inspected regularly. In order to inspect impeller, remove fan from the duct work. Remove any obstructions and clean with damp cloth.
5. Motor bearings are factory lubricated and do not require additional lubrication.

# 1 Year Limited Warranty Service

If the product will not work after you have read the troubleshooting guide and practiced the troubleshooting options, you are advised to return the Hydro Crunch™ product to the retailer you purchased it from. The dealer will be able to examine the product and test its components. If they are not able to repair the product, they will return it to us for examination and repair/replacement. Do not attempt to repair any product on your own, as serious injury or death may result. If the retailer is not able to help you and the product is still under manufacturer's warranty, you may contact us for technical support. In some cases, you will be issued an RMA# (return merchandise authorization number) to return the unit for factory repair. Complete the warranty form below and return the product with all original packaging, your receipt of purchase, and a valid RMA# to the address below. Please pack and ship the product in its original packaging. If it is damaged in shipment we cannot be responsible and the warranty may be voided. Once we receive RMA package, it will be repaired or replaced and shipped back to you. Please note if an additional warranty was purchased and include the extended warranty sales receipt with your return.

## RETURN FORM

**Include the following if returning:**

- ✓ Proof of purchase
- ✓ This completed form
- ✓ RMA# on the outside of the box
- ✓ Extended warranty receipt

**Return Merchandise Authorization Number (Required):** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Please give a brief description of your technical issue:** \_\_\_\_\_

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**SEND TO:**

Hydro Crunch  
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Walnut, CA 91789  
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