
HURRICANE 5000™ FAN

Operating Instructions

P/N 100161 (230V P/N 100166)

P/N 100167 w/DMX (230V P/N 100168)

Thank you for purchasing this Hurricane 5000™ fan.

- o As you will notice from the table of contents, the manual for your new fan is quite extensive.**
- o To guarantee perfect and successful work with this machine, please take some time to read the manual carefully.**
- o And finally, we believe you will enjoy many years of dependable, trouble-free service if you properly install and maintain this powerful piece of machinery called the Hurricane 5000™.**

CITC

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Set of Equipment Supplied

- 1 Hurricane 5000™ fan
- 1 Stand

Accessories

- C-Clamp w/Baby Spud and Safety Cable (P/N 250140)
- Universal DMX for on/off control only (P/N 250041)
- DMX Turret (P/N 250350)

Please check whether all the products you ordered are supplied.

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1. Description of the Hurricane 5000™

- o The first true World Tour fan, the Hurricane 5000™ operates on any electrical supply. The universal power supply allows it to be used in the USA, England, Australia and Japan without the use of a converter or transformer (100v/110v/230v at 50/60hz).
- o Hurricane 5000™ can go from 0 to 1750 rpm with the simple turn of a knob and be felt to 150' (45m) away. Variable speed can deliver full force wind in 3 seconds. The blower is capable of over 5000™ CFM (8460 cu.m/h) and up to 65 mph (104km/hr) wind.
- o The full 1.25 hp motor offers a low rpm for quietness.
- o The Hurricane 5000™ can be equipped with optional DMX control.
- o Portable and compact, capable of much more than fans four times its size, the Hurricane 5000™ weighs just 75 lbs (34kg).

2. Safety instructions

WARNING: Read and understand all labels and operating instructions before attempting installation.

- o **RISK OF ELECTRICAL SHOCK-** This fan is supplied with a grounding conductor. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. To reduce risk of electrical shock, connect only to a properly grounded, grounding type receptacle.
- o In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current. Install electrical hookup in accordance with all local codes and ordinances. **Warning:** Check with a qualified electrician if you are in doubt whether the fan is properly grounded.
- o To reduce risk of electric shock, disconnect power before servicing this fan.
- o **SAFETY CABLE-** When suspending the fan using the C-Clamps, be sure to attach the safety cable around the pipe grid and go through the handle of the Hurricane and attach the cable to itself. It is mandatory to use a safety cable when suspending this unit!
- o **C-Clamp-** Be sure the Baby Spud has a solid unscrewable connection to the Spud. When tightening the baby spud in place, always use the washer and cotter key. Tighten the side lock bolt on the knurled area of the baby spud. Never loosen this lock bolt to swivel the fan. Always swivel with the loosening of the swivel bolt on the side of the C-Clamp and spin the entire spud/baby spud together. Tighten the swivel bolt when in place.

3. Operating the Hurricane 5000™

3.1 Unpacking the Hurricane 5000™

Before removing from the box, note the position of the packing material and how the unit is sitting for future transport or boxing. The stand needs to be attached to the unit at both ends with ½” bolts, washers, and rubber 2” fender washer. Be sure when tightening the bolts that both ends are tight before turning on power. This unit is very powerful and will need to be tight. Do not over-tighten, though. This may cause the bolt to push into the back of the motor fins. Be sure this is clear and free from rubbing.

3.2 Electrical Power Requirements

Check to see that the power switch on the handle is in the off position. Plug in the cord to a grounded outlet with sufficient amperage. The voltage requirement for this fan is acceptable to almost all types of single-phase electrical supply. Current consumption is 12 amps at 100vac, 10 amps at 110vac and 5 amps at 230 VAC. Make sure you are using an adequate extension cord. These fans need at least 12-gauge extension cord for sufficient amperage supply. Because initial current surge is higher, the fan should have a dedicated circuit with extra capacity (25 amp circuit at 100 VAC, 20 amp circuit at 110 VAC. 10 amp circuit at 230 VAC).

3.3 Running the Hurricane 5000™

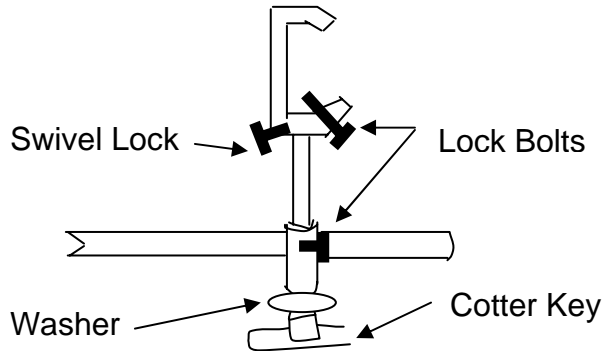
1. Slowly turn on the power by turning the knob clockwise and check to see if the fan is moving easily without rubbing the housing. Sometimes in shipping the fan may be damaged due to mishandling or jarring of the unit. Contact your shipper and CITC if damage has occurred in transport.
2. Attach the stand with the supplied ½” bolts. Spin the entire fan body to the position you want the air to flow, tightening the lock-down nuts on the spindles to stop it from moving. Use a wrench to tighten securely on both ends. You must loosen both ends to make adjustments. 360 degree movement is possible in both directions.
3. Turn on the fan to speed desired, aiming the airflow the direction you want, allowing 75-300' (25-100m) of open air space for air movement in front of the fan. Your fan is designed to be left on continuously without overheating or failure, **as long as there is a slow down period that allows the motor to cool slowly**. Always keep air moving over the motor with a slow rpm of the fan at least 10 minutes after long periods of being on the high torque speeds. This protects the motor from excessive heat buildup.

3.4 Transporting the Hurricane 5000™

1. When shipping or transporting to another location (not boxed), set the fan on the floor. Do not place the fan on the stand while in transit, unless supported. Damage may occur or you may misalign the fan unit if it bounces on the stand. Have the fan lying down on the floor with the stand up or legs off the floor. This will prevent the turning blade inside from becoming out of round or rubbing.

3.5 Hanging the Hurricane 5000™

1. For hanging, use baby-spud C-Clamp with a washer, cotter key and **safety cable**.



Place the baby spud, C-Clamp onto the attachment on the edge of either of the legs, placing the washer on, then the cotter key through the pin and tightening the lock screw with a wrench. Because the unit needs the C-clamp, rotation horizontally can be made by loosening the swivel lock bolt and rotating the unit. **Never loosen the tightening screw on the Hurricane stand leg while hanging.**

2. **Attach the safety cable around the pipe grid** and through the handle of the Hurricane and attach the cable to itself. You may now adjust the position of the Hurricane with the wrench, spinning or tilting as desired. Do not loosen any of the anchor bolts for movement without the safety cable attached first.

3.6 DMX Control

With DMX control, you will be able to turn the fan on when the slider control reaches approximately 30%. (See section 3.9).

3.8 Troubleshooting

DMX doesn't work: turn off control knob on fan.

Fan knob doesn't work: Turn off DMX control

Fan rubs when turning: call CITC for instructions. Do not remove cover.

Motor jumps or is unsteady: check extension cord for low gauge. Turn off any other loads sharing the same circuit or test in dedicated outlet.

Fan starts slowly: turn off DMX. Check extension cord for low gauge. Turn off any other loads sharing the same circuit or test in dedicated outlet.

Fins on motor rub: check ½” lock bolt on end stand. There must be a washer next to the head or bolt will extend too far and rub the motor.

3.9 Notes on DMX operation

Each DMX'd unit will occupy a unique DMX address on the DMX chain. By adjusting the dip switches on the side of the machine near the DMX cable plug-ins, the user may assign one address to the machine, giving you on/off and volume control with one DMX channel (there is no timer on this DMX).

Step 1). Attach the DMX cable to the upper “in” female connector located on the end of the fan.

Step 2). The DMX address is configured by adding the dip switch numbers together to total the number required. For example, DipSwitch 1 + 6 = 33. Your DMX channel would be 33.

Dip Switch	1	2	3	4	5	6	7	8	9
Channel #	1	2	4	8	16	32	64	128	256

When you move the slide control or digital control to approximately the 5% position the fan will turn on.

0 – 5% = Off
6– 100% = Air Volume Control 1 – 100%

“Input” and “Output” designations on the DMX plugs are arbitrary (i.e., you can use the input plug for output and visa-versa). It is not necessary to attempt converting your DMX line’s connector to female/male to match the appropriate socket on the plug. As long as it is looped in/out, it will work.

4. Service and Maintenance

4.1 Care of your Hurricane 5000™ will give you years of service. Note: cleaning your unit is going to pay off in constant good performance.

1. Because air passes through the wiring and blades, it is important not to feed fog or wet fluids through this unit. It will damage the circuitry.
2. Keeping your unit clean is essential. Use of Filter Foam would be advised if the air is full of lint or dirt.
3. Wipe down all vent inlets with a clean dry cloth.
4. Never use water around the electrical connections
5. Inspect the cord for damage before each use.
6. Never operate with extension cords that are under 12 awg.

5. Technical Data

Hurricane 5000™ P/N 100161 (230V P/N 100166) Hurricane 5000™ w/DMX P/N 100167 (230V P/N 100168)	
Weight	75 lbs (34 kg)
Size (with stand)	31.5" x 24" x 28.5" (80 cm x 61 cm x 72.5 cm)
Shipping Weight	80 lbs. (36 kg)
Shipping Box Size	35" x 26" x 26" (90 cm x 66 cm x 66 cm)
DMX	Built in DMX (optional)
Wind Speed	0 – 65 mph (0 – 104 km/hr)
RPM	Variable 0 – 1750
Color	Black
Positioning	360 degrees
Electrical Supply	Any of these (universal voltage) 100VAC, 20 A, 50/60 Hz 110VAC, 15 A, 50/60 Hz 230 VAC, 10 A, 50/60 Hz
Fuse	20 Amp, 250VAC
Fan Outlet Opening	17" x 3.5" (43 cm x 8 cm)
Limited Warranty	1 year

Rev. 4/7/03

6. Limited Warranty Conditions for the Hurricane 5000™

- 1. Subject to the following conditions we will repair any defect or fault in the unit if it is caused by a proven factory fault and has been advised immediately after appearance and within 30 days of delivery to the end user. Insignificant deviations of the regular product quality does not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure.**
- 2. Limited Warranty Service will be done in the following way: Faulty parts will be repaired or replaced (our choice) with correct parts. Faulty units have to be shipped to us or sent to us at customer's expense. The RMA# has to come with the faulty unit.**
- 3. The customer loses all rights for limited warranty services, if any repairs or adjustments are done to the units by unauthorized persons and/or if spare parts are used, which are not approved by us. Also non-compliance with the instructions in this manual or mistakes by incorrect handling/treating of the machine, any faults and damages caused by undue force will lead to a loss of limited warranty.**
- 4. Freight costs to CITC when under the limited warranty services are the responsibility of the customer. CITC will pay freight upon return.**
- 5. Limited warranty services do not cause an extension of the limited warranty time or the start of a new limited warranty time. The warranty of replaced parts ends with the limited warranty time of the whole unit.**
- 6. If a defect/fault can not be repaired by us in a satisfactory time, we will, within 30 days after sale of the unit, our choice either:**
 - Replace the whole unit for free or**
 - Refund the lesser value or**
 - Take back the whole unit and refund the purchase price, but not more than the usual market price at the time of refund.**
- 7. Further claims, especially for damages, losses etc. outside the unit are excluded.**

If you should send the unit for service, obtain your RMA# first by calling CITC. Obtain your RMA # by calling CITC. Payment arrangements for repair must be made before receiving RMA # in case unit is not covered under Limited Warranty.

Send unit to:

**CITC
RMA # XXXXXXX
2100 196th Street SW Suite #138
Lynnwood, WA 98036
Tel: (888) 786-CITC or (425) 776-4950
Fax: (425) 776-5129
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