



# Mancooler<sup>®</sup> Instruction, Operation, and Maintenance Manual

## READ AND SAVE THESE INSTRUCTIONS

### Inspection

On receipt inspection shipment for damage. Report any damage to freight carrier. Before operating, inspect unit for any damage that may have occurred during transit or unpacking. Check guards to see that they are securely fastened to the housing at inlet and outlet. Inspect power cords for damage to the insulation.



TURN SWITCH TO THE OFF POSITION BEFORE CONNECTING OR DISCONNECTING THE POWER SOURCE.



OPERATE UNIT ONLY ON VOLTAGE AND FREQUENCY FOR WHICH IT IS DESIGNED. BE SURE TO CHECK PACKAGE LABEL AND / OR NAMEPLATE TO VERIFY CORRECT VOLTAGE AND FREQUENCY.



MAKE SURE TO USE UNIT WITH A GROUNDED POWER RECEPTICAL. DO NOT USE GROUND ADAPTERS.



DO NOT KINK COR OR LET IT COME INTO CONTACT WITH SHARP EDGES OR CHEMICALS.



UNPLUG FAN TO MOVE OR SERVICE.



DO NOT USE WITH ANY EXTERNAL ELECTRONIC SPEED CONTROL DEVICES – SPEED CONTROL IS BUILT WITHIN MOTOR.



DO NOT USE IN ANY FLAMMABLE, EXPLOSIVE, OR CHEMICALLY LADEN ENVIRONMENT.



WARNING! TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE TO WATER OR RAIN.

## Inspection Warnings *(Continued)*



NEVER INSTALL OR OPERATE A DAMAGED UNIT.



WARNING – MAXIMUM AIR TEMPERATURE FOR AIR PASSING THROUGH UNIT IS 110 DEGREE F (43 DEGREES C). NEVER ALLOW AIR TO PASS THOROUGH THE UNIT IN EXCESS OF THIS VALUE. PERSONAL INJURY OR PROPERATY DAMAGE MAY RESULT.



DANGER – NEVER OPERATE UNIT WITHOUT INLET AND OUTLET GUARDS IN PLACE.



DANGER – NEVER INSERT OBJECTS NOR ALLOW OBJECTS TO ENTER THE FAN. SUCH OBJECTS MAY BE EJECTED CAUSING PERSONAL INJURY.



DANGER – RISK OF INGESTION OF HAIR, CLOTHING, OR JEWELRY THAT MAY GET PULLED INTO FAN. ALWAYS MAKE SURE THAT SUCH ITEMS ARE SECURED AND KEPT AWAY FROM INLET OF FAN.



DANGER – EXERCISE CAUTION WHEN HANDLING PACKAGING MATERIAL. NEVER ALLOW SUCH MATERIALS TO BE ACCESSED BY CHILDREN WHO RISK SUFFICATION.



WARNING – MOTOR CONTAINS INTERNAL ELECTRONICS WHICH PREVENT THE FAN FROM OVERLOADING AND / OR OVERHEATING. SHOULD THE UNIT STOP DURING OPERATION ALLOW THE UNIT TO COOL (MAY TAKE AS LONG AS 30 MINUTES) BEFORE ATTEMPTING TO RETURN THE UNIT TO SERVICE)

## Operation

The ECo Mancooler is simple to operate, simply plug into appropriate electrical receptacle (outlet) and switch on. The on / off switch is located near the top of the unit (just off to one side). It is a rotary switch that both turns the unit on / off and adjusts the speed. The unit's speed can be adjusted from 100% speed down to approximately 10% of speed. Adjust the speed according to personal comfort. To turn off - Rotate switch counter clockwise until it clicks off.

Note: On start-up the EC motor needs to determine the position of the rotor in order to operate properly. In doing so, it may actually run backwards for a very short period of time. Unit may cog (jump from position to position) at very low speed. This is normal operation.

Particularly when the unit is first put into use, observe the unit for any abnormal vibration (greater than .25 inches / second). If unit seems to be vibrating, make sure that all four wheels are in contact with floor. If necessary, reposition unit so that all four wheels are supported. If unit seems to be vibrating abnormally immediately shut unit off and consult factory.

## Maintenance

The Airmaster ECo Mancooler contains no serviceable parts and therefore does not require any regular maintenance.

The sole possible maintenance that may at some point be required is cleaning of the propeller. While the ECo Mancooler is not designed for heavily dust, mist, or vapor laden air – material may accumulate on the propeller.



**WARNING!** Before attempting any maintenance, turn the unit to the off position and disconnect the power cord. The disconnected power cord should be kept in proximity to the fan while performance maintenance / cleaning so to prevent it being inadvertently energized.

### To clean propeller:

- Turn unit off and remove the power cord from the electrical receptacle. Keep power cord in view during balance of procedure.
- Remove guard from propeller side of unit by unscrewing mounting screws. Be sure to save screws.
- Clean propeller with damp cloth. Be sure to clean the entire propeller thoroughly since leaving material on some blades may cause imbalance.
- When finished cleaning make sure that nothing is left inside the unit. A rag left inside may become snagged by the propeller causing damage to the unit and possible personal injury.
- Replace guard with saved screws. Be sure not to over tighten.  
**DO NOT ATTEMPT TO OPERATE THE UNIT WITHOUT THE GUARDS IN PLACE.**
- Return unit to service. When first operating after cleaning make sure that the unit does not vibrate abnormally. Should unit vibrate, repeat entire procedure. If unit continues to vibrate, turn off and contact factory.

## COMMERCIAL PRODUCT WARRANTY

AIRMASTER® FAN COMPANY warrants to the original user that the equipment shipped will be the kind and quality described in the specifications and to be free from defects in material and workmanship under normal use and service. Liability for defects of material and workmanship in the motor are exempted from the AIRMASTER® warranty, but are covered in the warranty of the motor manufacturer.

AIRMASTER® FAN COMPANY will rectify defects in material or workmanship within one year from date of shipment by the factory, provided the Company receives immediate written notice of such defects and such claims are substantiated to its satisfaction. Correction of such defects by repair or replacement at company's option, F.O.B. the Company's factory, shall constitute the sole obligation under this warranty.

This warranty does not include accessories or any part of the unit which has been subjected to misuse, neglect, accident, or damage caused by flood, fire, or act of God. **UNDER NO CIRCUMSTANCES IS AIRMASTER® FAN COMPANY liable for labor costs incurred in installation or removal for repairs.**

UNDER NO CIRCUMSTANCES IS AIRMASTER® FAN COMPANY LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES DUE TO FAILURE TO MEET THE CONDITIONS OF ANY WARRANTY. NO LIABILITY OF ANY NATURE IS ASSUMED BY THE COMPANY FOR THE FAILURE TO MAKE DELIVERY DUE TO ANY ACT OR CONDITION BEYOND ITS REASONABLE CONTROL.

THIS WARRANTY DOES NOT APPLY TO CONSUMER PRODUCTS,  
SEE CONSUMER PRODUCT WARRANTY BELOW.

## **LIMITED ONE-YEAR CONSUMER WARRANTY**

On products intended for personal, family or household purposes, the following limited warranty applies instead of the COMMERCIAL warranty.

AIRMASTER® warrants to the original consumer purchaser that this product is free from defects on material and workmanship for one year from provable date of purchase.

AIRMASTER® will repair or replace, at its option, defective parts at no charge, within this warranty period, provided the product is returned freight prepaid with proof of purchase date to: AIRMASTER® FAN COMPANY, 9229 South Meridian, Clarklake MI 49234. The obligation under this warranty does not include responsibility for any transportation expenses.

This warranty is void as to any part that has been improperly installed, overloaded, abused or altered in any manner.

This warranty does not cover incidental or consequential damages arising from any defect of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

No one is authorized to assume any liability on behalf of AIRMASTER® or impose any obligation on it in connection with the sale of any product other than as outlined above. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

(PRICES SUBJECT TO CHANGE WITHOUT NOTICE)

Due to AIRMASTER®'s commitment to Total Quality Management, technical specifications are subject to change without notice.



9229 South Meridian Rd. Clarklake, MI 49234

Email: [sales@airmasterfan.com](mailto:sales@airmasterfan.com) | Phone: 517.764.2300 | Toll Free: 800.410.3267 | Fax: 517.764.3838