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EVAPORATIVE AIR COOLER

Instruction Manual

Model 600580



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EVAPORATIVE AIR COOLER – Model 600580

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Thank you for purchasing an Evaporative Air Cooler from Global Industrial.
Please Read These Instructions Carefully Before Operation.

PACKAGE CONTENTS:

1 Evaporative Air Cooler Unit
 1 Remote Control
 1 Operating Instructions Manual

TROUBLESHOOTING

Malfunction	Reason	Solution
Power indicator will not light up	No Power Breakers tripped	Unit is unplugged Check reset breaker on GFCI Plug Check breaker box in building
Non-responsive controls	Power frequency interference Environment interference Panel is broken	Power off and on unit Remove or keep away from interference Change panel
Drain valve leaks water	Drain valve is loose	Screw tightly
Fan spouts water	Water pipe has fallen off	Check the water pipe

Note: Instructions are for reference purposes only. If technical assistance is needed, please call
 Customer Service 800-645-2986.

TECHNICAL SPECIFICATION

Model	600580
Fan Diameter	20"
Max Airflow (CFM)	3,531
Power Supply / Frequency	115V/60Hz
Power Consumption (Watts)	450
Style	Axial
Water Consumption (G/Hr)	1.05 - 1.59
Water Capacity (Gal)	15.85
Dimension (W x D x H)	33" x 18" x 55"
Weight (lbs)	57
Media Pad Size	30.5"W x 4"D x 27"H
Operating Temperature	68-122°F
Cooling Capacity (Sq. Ft.)	323-538

FEATURES

- Micro-computer programmed control panel with LCD display.
- 3-speed fan operation.
- Time setting function.
 - Running Time.
 - Starting Time.
- Convenient remote control.
- Specially designed powerful 20" diameter fan.
- Thick cooling pad measures 30.5"W x 4"D x 27"H for improved heat absorption.
- 4" rubber casters with brakes.

WARNING INFORMATION

Before operating machine, please read instructions carefully.

- Operate in the following conditions:
 - 68-122°F Operating Temperature.
 - MAX with 113°F Water Temperature.
 - Area must be free from airborne pollutants and contaminants.
 - Ventilated, open environment with fresh air supply.
 - Electric voltage must not exceed 115V +/-5V voltage.

WARNING: Low Voltage less than 110V or High Voltage greater than 120V may cause damage to motor and electronic controls.

- DO NOT use fan if power cord is damaged.
- DO NOT drive forklift, power trucks or any vehicle over power cord.
- If the product is not operating correctly, please refer to Troubleshooting Guide or contact Customer Service 800-645-2986.
- Any modification to fan will void warranty.



Control Panel



Remote Control

Battery Not Included
Uses CR2025 3V battery

CONTROL FUNCTIONS: Operate functions by pressing button on control panel.

- Power "ON/OFF" switch.
- Press "COOL" button to activate cooling function.
 - Water pump will circulate water into the cooling pad for one minute, then the fan will activate.
- Airflow Wind "SPEED" for desired airflow setting (Low / Medium / High).
- "TIMER" button to set automatic timer. Dual Timer.
 - Timer can be set to start in x hours.
 - Timer can be set to turn off in x hours.

SET-UP

WARNING

Unplug fan before removing media pad. Fan can start unexpectedly due to the timer control feature.

Before operating machine, please follow the instructions listed below:

- **Add Water.**
 - Clean water must be used.
 - Use hose connection on left side (hose not included).
 - Manually add water through the water inlet opening on right side.
 - Pour water slowly to avoid water spillage and prevent risk of electric shock.
 - Fill up to “MAX” level only.
- **Plug the unit into a 115V/60Hz, single phase outlet (Check outlet for correct polarity)**
 - Power indicator will light up.
- **Note: If the power cord is damaged, it must be replaced by the manufacturer or a qualified electrician to avoid hazards.**

WARNING

Unit is not intended for use by children or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use by a person responsible for their safety.

MAINTENANCE

To ensure unit releases fresh and clean air, always change the water when dirty and regularly clean the cooling pad.

- **Remove the filter by removing the screws then pressing the lock.**
 - Rinse the filter under running water to wash off dirt. DO NOT use pressure washer.
- **Pull out the cooling pad and wash both sides under running water.**
 - Note: Never use pressurized water.
 - Note: Never use liquid detergent. This may damage the pad.
- **Open the drainage valve to remove remaining water, and then clean the water tank thoroughly with a soft cloth to remove dirt.**
- **Wash off dirt from the water sensor, water pump and drainage valve.**
- **Use mild soap and soft, clean cloth when cleaning the housing and chassis.**
 - Note: Do not use strong chemicals when cleaning unit.

WARNING

- **Do Not Use an Extension Cord with this Fan.**
- **Check the outlet that this fan is plugged into for correct polarity before using outlet.**
- **Do not open control box compartment. No serviceable parts inside.**
- **All repairs must be done by authorized technician.**
- **Disconnect the power cord before changing media or opening fan housing.**
- **Do not modify equipment or power cord, Warranty will be voided.**
- **Test GFIC breaker on cord before each use of fan.**

This product contains chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.

ABOUT THE PRODUCT

The Evaporative Air Cooler is a high-tech product which utilizes water evaporation and moving air to cool the air.

The cooler consists of a fan, a corrugated and fluted paper media pad and a water supply sump and water circulation system that maintains the saturation of the media. As the moisture in the moving air evaporates there is a cooling effect. The water level in the sump if manually filled can be monitored by the sight tube on the front of the housing. For constant automatic feed the water level is continuous by a float valve in the sump tank.