



INSTALLATION & OPERATION MANUAL

SINGLE INLET EVAPORATIVE COOLERS

Circle the model of your cooler and record the serial number.
Encierre con un círculo el modelo de su enfriador y escribe el número de serie.

ADA51	ADA5112	ADA71	ADA7112
ASA51	ASA5112	ASA71	ASA7112
AUA51	AUA5112	AUA71	AUA7112

Date of Purchase:
Fecha de compra:

Serial Number:
Número de serie:

READ CAREFULLY ALL OF THIS MANUAL BEFORE INSTALLING THE UNIT

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READ AND SAVE THESE INSTRUCTIONS

SAFETY RULES

1. Read all instructions carefully.
2. Electrical connections should be done by a qualified electrician, so that all electrical wiring will conform to your local codes.
3. Always turn OFF POWER and UNPLUG motor and pump inside the cooler before installing or performing any maintenance.
4. Your cooler will run on either 120V or 240V A.C., single phase, 60 Hz (cycle) current.
5. Motor and pump have a grounded, molded plug and an automatic thermal overload switch which will shut motor off when it overheats. The motor will restart automatically when it cools down.

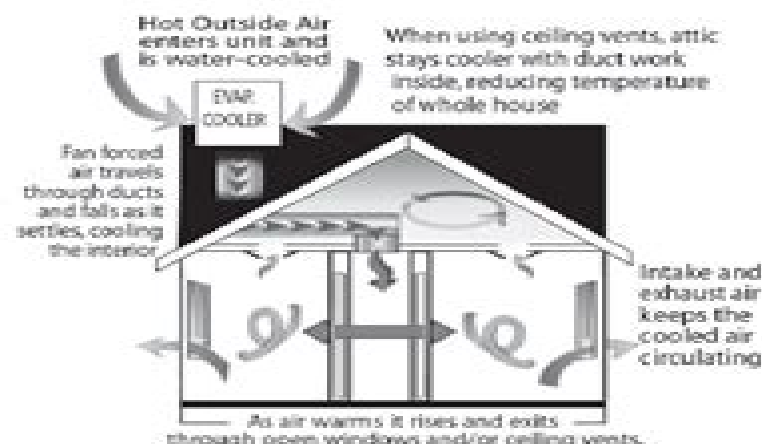
⚠WARNING: To reduce the risk of fire or electric shock, do not use this fan with any "solid-state fan speed control device."

HOW EVAPORATIVE COOLERS WORK

Evaporative cooling is nature's way of cooling. When air is moved over a wet surface, water is evaporated and heat is absorbed. When stepping out of swimming pool with the wind blowing, evaporative cooling makes you feel cool, even though the air may be warm.

This unit works on the same principle. Air is drawn across wet filter pads where the air is cooled by evaporation and then circulated throughout the building. It is this combination of cooled air and the movement of air over the skin which makes it feel cool.

Unlike refrigeration systems which recirculate the air, an evaporative cooler continually brings in fresh air while exhausting old air. You are completely replacing the air every 2 to 4 minutes by opening windows or doors, by using Up-Dux® ceiling vents, or a combination of both. The air is always fresh, not stale, laden with smoke and odors as happens with refrigerated air conditioning.



Mastercool Installation Manual

K Morrison



Mastercool Installation Manual:

Evaporative Air Conditioning Handbook John R. Watt, Will K. Brown, 1997 Providing guidance to design engineers and contractors this book illustrates in full detail how operational savings of 50 to 75 percent can be achieved with evaporative cooling technologies compared to equivalent electric based systems Thorough in scope the book addresses the technical aspects of evaporative cooling as well as a broad range of specific commercial and industrial applications Topics include cost analysis technology and equipment options application guidelines and operational and performance characteristics The third edition adds a new chapter which shows how evaporative cooling can be integrated into large scale HVAC systems with discussions of achievable savings maintenance costs cooling tower and finned coil indirect cooling wet bulb economizers precooling condensed air makeup air and return air humidity control and more including sample calculations as well as demonstration and engineering data BOOK JACKET Title Summary field provided by Blackwell North America Inc All Rights Reserved Mergent International Manual ,2003 **Official Gazette of the United States Patent and Trademark Office** ,2004 **ASHRAE Journal** ,1995 Hybrid Intelligence Philip F. Yuan, Hua Chai, Chao Yan, Keke Li, Tongyue Sun, 2023-04-03 This open access book is a compilation of selected papers from DigitalFUTURES 2022 The 4th International Conference on Computational Design and Robotic Fabrication CDRF 2022 The work focuses on novel techniques for computational design and robotic fabrication The contents make valuable contributions to academic researchers designers and engineers in the industry As well readers encounter new ideas about intelligence in architecture *Official Gazette of the United States Patent and Trademark Office* United States. Patent and Trademark Office, 1994-12 **Chief Culture Officer** Grant McCracken, Grant David McCracken, 2011-05-10 How can you become Steve Jobs A G Lafley or David Ogilvy Hint read this book *Gentlemen's Quarterly* ,1960 *Hospitality* ,2005 Chilton's Commercial Carrier Journal for Professional Fleet Managers ,1996-07 **Air Conditioning Heating & Refrigeration News** ,1988 **Climatização automotiva** Flávio Gomes de Macedo, Geraldo Arantes Filho, Mario Kuroda, 2018-02-22 O sistema de ar condicionado automotivo tem como principal fun o tornar ou manter o mais confort vel poss vel o ambiente do habit culo do ve culo seja aquecendo o ou resfriando o Esta publica o apresenta as caracter sticas desse sistema desde no es hist ricas conceitos b sicos sobre termodin mica componentes do sistema de ar condicionado veicular at o ciclo de refrigera o O livro aborda ainda os principais componentes el tricos e eletr nicos utilizados no sistema suas fun es e aplica es bem como os procedimentos de manuten o e diagn sticos al m das propriedades dos flu dos refrigerantes Electronics World ,1997 **Installation Instructions, Air Conditioning System** Royal Industries, Hinson Division, Ford Motor Company, Waterloo (Iowa), United States, 1974 Installation & service manual Coldstream Products of Canada, Ltd, Installation and Service Manual Terry Engineering, 1968 **Installation Manual** ,1986 **Halsey Taylor Service Manual** Halsey W. Taylor Co, 1958 Installation Manual ,1994 American Standard Electro-hydronic Air Conditioners, Horizontal and Vertical American

Standard, Inc,1968

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