

# MOBILE EVAPORATIVE COOLERS

**Mobile**  
**MasterCool**  
**COMMERCIAL**®

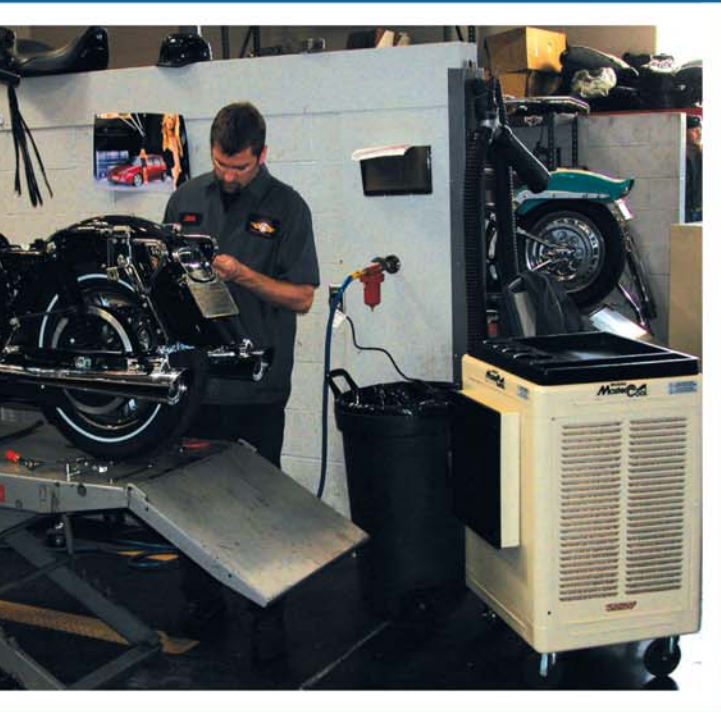
• Increased Productivity • Maximum Cooling Efficiency • Industrial & Commercial Use

• Airports • Assembly Lines • Athletic Events • Auto Body Shops • Auto Repair Shops • Barns • Construction Sites • Dog Kennels • Dry Cleaners/Laundry • Emergency & Disaster Sites • Exercise Areas • Factories • Garages • Garden Centers • Golf Courses • Greenhouses • Gymnasiums • Hangars • Horse Stables • Hotels & Resorts • Loading Docks • Manufacturing Facilities • Outdoors • Paddocks • Retail Spaces • Service Bays • Storage Rooms • Tents • Warehouses



*The World Leader in  
Evaporative Cooling Technology*

# HIGH-VELOCITY BLOWER MODELS



## Benefits

- Designed for maximum velocity.
- Dual air inlet design requires less floor space.
- Quiet, concentrated air distribution.
- Cools residential, commercial, agricultural and industrial hot spots.

## Features

**HOSE CONNECTION** - For continuous use or **MANUAL FILL** for up to 3.5 hours of uninterrupted use.

**HEAVY-DUTY WHEELS** - Easy to move and easy to lock in place.

**MOTOR** - Two-speed blower motor for optimum comfort.

**U.L. LISTED** - Three-pronged grounded plugs for safety.

**COOLING PAD** - MasterCool® pads for maximum cooling efficiency.

**TOP TOOL TRAY** - For convenient storage.

**ADJUSTABLE LOUVERS** - For directional air control.

An affordable solution to spot cooling, the Mobile MasterCool® line provides powerful evaporative cooling. Constructed of powder coated metal with the strength of encapsulated steel in a durable polyester epoxy finish for maximum life, this line delivers cool, clean air using premium MasterCool rigid cellulose media. Compact and powerful, our energy efficiency is second-to-none. The efficient electrical system with low amps and low wattage draw helps you save money and can help increase employee productivity. We call that EcoCool ... economical and cool.

## Specifications

	MMB14 4,500 cfm 16" x 12" blower	MMB12 3,000 cfm 12" x 12" blower	MMB10 2,000 cfm 9" x 9" blower
<b>Blower Motor Drive System Electrical*</b>	½ HP, 2-speed Belt drive 7.5 amps 900 Watts	½ HP, 2-speed Direct drive 5.5 amps 660 Watts	½ HP, 2-speed Direct drive 3.0 amps 360 Watts
<b>Dimensions (H x W x D)</b>	41" x 34" x 31"	38 ¾" x 26 ½" x 25"	32 ¾" x 22" x 20"
<b>Shipping Weight</b>	135 lbs.	119 lbs.	79 lbs.
<b>Water Capacity</b>	14.5 gallons	8.5 gallons	6.4 gallons
<b>Area Cooled**</b>	1,400 sq. ft.	1,000 sq. ft.	700 sq. ft.

\* All models plug into standard 120 Volt receptacles.

\*\* Performance will vary depending on temperature, relative humidity, ceiling height, interior heat load, and other factors including the level of cooling desired.



MMB14  
4,500 cfm



MMB12  
3,000 cfm



MMB10  
2,000 cfm

# COOLING EFFICIENCY REDEFINED

Designed for performance and low operating costs, Mobile MasterCool® puts cool where you need it. Whether you have two employees or two hundred, keep them cool and help increase productivity.

## Cooler

The world leader in evaporative cooling technology, MasterCool by AdobeAir, Inc. manufactures America's coldest evaporative coolers. The proprietary MasterCool Pad, paired with the high-velocity blower or fan motors featured in Mobile MasterCool units, cools air up to 30 degrees. Cooler employees are happier, healthier and more productive. In fact, the U.S. Department of Labor lists **spot cooling** and **personal cooling devices** as two effective ways to prevent heat stress.



*A variety of engineering controls including general ventilation and **spot cooling** ... Equipment modifications, ... and **personal cooling devices** or protective clothing are other ways to reduce the hazards of heat exposure for workers.*

U.S. Department of Labor, Occupational Safety & Health Administration  
Protecting Workers in Hot Environments, Program Highlights

## Cleaner

With evaporative cooling, a complete air change occurs every one-to-three minutes. This advantage over traditional air conditioning or simply having employees work in stale, stagnant air, keeps the air cooler and cleaner.

- Constant air movement pushes heat out, along with stale air, smoke, odors and pollution.
- Evaporative cooling produces a high volume of fresh, cool air, helping the body ventilate naturally ... keeping employees cooler and happier.

## Cost Effective

Evaporative cooling consumes only one-fourth of the electrical energy required to operate a refrigerated air conditioning unit. Using Mobile MasterCool costs pennies a day, can save you potential lost labor and workers' compensation claims due to heat related illness and can help increase productivity.

### Average Power Draw:

Unit	Amps	Watts
MMB10	3.0	360
MMB12	5.5	660
MMB14	8.0	960
MMF24	8.2	984
MMF36	11.3	1,356

Mobile MasterCool evaporative coolers operate efficiently at maximum capacity using 500-Watt to 1,500-Watt generators.

# COOL, CLEAN COMFORT ... NATURALLY.



# FREQUENTLY ASKED QUESTIONS

## 1. What is Mobile MasterCool®?

Mobile MasterCool is a line of completely portable evaporative coolers that require no installation or wiring. This high-velocity, high-efficiency line of coolers provides spot cooling for areas ranging from 700 sq. ft. to 3,000 sq. ft. and can be used in settings from residential to commercial and industrial.

## 2. How will Mobile MasterCool save me money?

First, Mobile MasterCool saves you money by putting cool air exactly where you need it. Spot cooling saves you money because you're not cooling your entire facility. Second, keeping employees cool helps reduce the risk of heat exhaustion or fatigue and the potential for lost work time, workers' compensation costs for heat-related illness and can help increase productivity.

## 3. Where should a mobile cooler be placed within a space?

The cooler should be placed where there is plenty of fresh air and it is best positioned adjacent to an external door (or open window) with additional openings on the opposite side of the room for relief air. Placing the cooler this way allows the cooler to draw fresh air from the outside to be drawn through the pad, cooled, filtered and circulated through the room while the hot, stale air is forced out through the openings on the other side of the room.

## 4. How much maintenance does a mobile cooler require?

Minimal. We recommend emptying the water reservoir once a week to reduce scale or mineral deposits on the pad. Periodically during extended periods of use, or at least once per year depending on the usage, it is important to perform some simple cleaning to maintain its efficiency. This involves cleaning the water system and filters. Refer to the Owner's Manual for detailed instructions and a maintenance schedule for each particular model.

## 5. Are evaporative coolers more suitable to specific climates?

While evaporative cooling is especially well-suited to dry, desert climates, it is also effective in areas of higher humidity. Even in areas of high humidity, there are many cost effective uses for evaporative cooling, making it the right choice for spot cooling inside or out.

## 6. How do evaporative coolers save energy?

On average, an evaporative cooler consumes about one-fourth of the electrical energy required to operate a refrigerated air conditioning unit. As an example, to cool approximately 2,400 sq. ft. (the average size of a home in the U.S.), a refrigeration unit would require three electric motors with a combined horsepower of 3 ½. To cool the same space, a MasterCool unit would only require a ¾ horsepower motor, drawing only 11.3 amps.

