

MAXAIR™

PDQ
Vehicle Wash Systems

LaserWash®
TOUCH-FREE

MAXAIR™

Stand-Alone Dryer

Maximum Velocity Drying

PDQ's new MaxAir Stand-Alone Dryer is a breakthrough in dryer performance. MaxAir dries vehicles better than ever, yet uses less energy than conventional dryers.

The key to MaxAir is optimizing air velocity and flow.

As air exits a dryer, it travels at a high rate of speed or air velocity. The stream loses much of its speed as it meets the resistance of the surrounding air. By the time it reaches the vehicle, airflow has been minimized. In effect, optimum airflow is best near the dryer outlet. Unfortunately, that's not where it's needed. Through innovative design, the **MaxAir™ Stand-Alone Dryer** delivers high-velocity air to the vehicle surface – where it's most important.

Your customers will enjoy drier vehicles. You'll enjoy lower operating costs! Add **MaxAir™** to your vehicle wash system today.

For a PDQ Distributor nearest you, call 1-800-227-3373 or visit us at www.pdqinc.com



Available with two 7.5 HP Side Blowers

PDQ Manufacturing, Inc. 1698 Scheuring Rd. De Pere, WI 54115 USA (920) 983-8333 • 1-800-227-3373 www.pdqinc.com

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PDQ

Vehicle Wash Systems

A DOVER COMPANY

MAXAIR™

Maximum Velocity Drying



How it works

The MaxAir™ Stand-Alone Dryer utilizes concentrated air columns, air drafting, and an optimized array of blowers to deliver high-velocity air to the vehicle surface.

Concentrated Air Columns

MaxAir maximizes air velocity to the vehicle surface by using concentrated air columns. You see examples of this principle in action every day. To make a garden hose more effective, you concentrate the water flow to increase water impact. To make a flashlight brighter, you concentrate the light beam. The same concept applies to MaxAir. Concentrated air columns are achieved by using round discharging nozzles at the bottom of the dryer outlet. Round nozzles are more effective than square or rectangular ones. Nozzles that are not round tend to break up the airflow, causing more of the air to disperse and lose velocity as it travels through the surrounding air. By concentrating the air columns, MaxAir delivers high-velocity air to the vehicle surface – whether it's a tall SUV or low profile sports car.

Air Drafting

MaxAir utilizes four stationary blowers with the two center blowers in line to take advantage of air drafting. Drafting is a technique used by racecar drivers that literally splits the air. However, drafting isn't limited to the world of motor sports. MaxAir also employs the technique. The first blower does the job of breaking the air, reducing the amount of wind resistance the trailing blower experiences. The trailing blower can now work on evaporating water off the vehicle surface.

Blower Positions

MaxAir blowers are strategically positioned to move water quickly off the vehicle surface using the shortest distance possible. When water droplets move on a vehicle, they split. The more they split, the smaller they become. Unfortunately, smaller water droplets are more difficult to move. With MaxAir, large water droplets move quickly off the vehicle sides rather than up and over the vehicle.

PDQ's new MaxAir Stand-Alone Dryer is truly something different. MaxAir effectively dries vehicles and efficiently minimizes energy consumption.

MaxAir™ Stand-Alone Dryer
Maximizes air velocity
to the surface by
using concentrated
air columns

Unit Dimensions:

With Image Package	Without Image Package	Electrical Requirements:		Vehicle Clearance:
Minimum Height: 126" (3200 mm)	126" (3200 mm)	(4ea.) 7.5 HP	Voltage	FLA
Maximum Height: 132" (3353 mm)	132" (3253 mm)		208 VAC	20.4
Depth: 47" (1204 mm)	28" (722 mm)		230 VAC	18.4
Width: 152" (3851 mm)	147" (3730 mm)		460 VAC	9.2
Width: 176" (4470 mm) <i>(with two side blowers)</i>	176" (4470 mm)		575 VAC	7.4
				Height: 84" (2133 mm) to 90" (2286 mm) with 2" increments Width: 10' (3048 mm)