



EQUIPMENT

- A** OVERALL LENGTH
44 3/8 in.
- B** OVERALL WIDTH
186 1/8 in.
- C** OVERALL HEIGHT
119 1/2 in.
- D** VERTICAL OPENING
84 in.
- E** HORIZONTAL OPENING
90 in.

MOTORS

- 30-hp, 3600 RPM's
- 230 / 460 volts
- 1.25 service factor
- Frame: 286TS
- 3 Phase
- Fan-cooled, totally enclosed

NOTE: Wiring and controls to be provided by the purchaser. Additional motor specifications available upon request. Additional voltages available on special order.

EQUIPMENT OPTIONS

- Colors: Blue or Red bags
* custom colors available
- The Mist Eliminator
- AirGate (energy efficient)
- Raised Intake

Weight: 1250 lbs. (approximate)

GENERAL DESCRIPTION

The Proto-Vest "Windshear II" is designed as a stand alone drying system. It is ideal for tunnels with line speeds of up to 120 cars/hr, rollovers and self-service applications. This patented system utilizes two (2) 30-hp Magnum blowers, plenum and three (3) Proto-Duck™ air delivery bags designed to direct air around the vehicle as it passes under the equipment arch. Proto-Vest's blower/motor assemblies are engineered for both maximum efficiency and cost effectiveness.

Proto-Vest's stringent standards in material selection for dryers result in extended equipment life and reduced maintenance. The blower assembly is manufactured from steel that is hot dipped galvanized and the impeller is electroplated. The blower is AMCA Class IV certified. The plenum is made from 5052-H32 aluminum, while the bags are produced from Proto-Duck™ materials. These materials resist corrosion and tearing.

FEATURES / BENEFITS

Patented Touchless Design:

Pressurized air flows through three (3) patented bags which direct the air to the vehicle's horizontal and vertical surfaces. It dries the hood, roof, deck, windows, and sides of the vehicle without touching.

Low Maintenance: Other than the blower / impeller assemblies, there are no moving parts to wear-out or break down.

(Please note that Proto-Vest recommends routine maintenance in order to maximize product life.)

Line Speed Efficiency: As a stand alone unit the "Windshear II" will give you approximately a 90% dry car at line speeds up to 120 cars per hour.

Compact / Modular design: Designed to fit into limited space as a stand alone or supplemental dryer.

DECIBEL READINGS

With Silencer / Without Silencer	
(WS)	(WOS)
Windshear® II - (2) 30hp dryers:	
WS: 10 ft=88 dBA;	WOS: 10 ft=99 dBA
WS: 20 ft=81.9 dBA;	WOS: 20 ft=92.9 dBA
WS: 30 ft=78.4 dBA;	WOS: 30 ft=89.4 dBA
WS: 40 ft=75.4 dBA;	WOS: 40 ft=86.9 dBA
WS: 50 ft=74 dBA;	WOS: 50 ft=85 dBA

(The above decibel readings are interpolated.)

SERVICE / SUPPORT

Proto-Vest recognizes that support after the sale of equipment is critical to the success of our customers. Our company offers its customers access to a wide range of services including: field service technicians, factory direct aftermarket parts, and an engineering staff for custom designed applications.

Proto-Vest Patents:
U.S.: 3,942,430; 4,161,801; 4,409,035; 4,418,442; 4,433,450; 4,445,251; 4,446,592; 4,589,160; 4,700,426; 5,027,714; 5,184,369; 5,187,881; 5,195,207; 5,280,665; 5,421,102; 5,553,346; 5,886,648; 5,901,461; 5,950,324; 5,960,564; 6,038,781; 6,176,024; 6,519,872; others pending.
Canada: 1,021,996; 1,111,328; 1,190,453; 1,201,040; 1,197,439; 1,219,195; 1,219,192; 1,219,194; 1,258,026; 1,219,193; 2,013,749; 2,071,568; 2,071,239; 2,071,388; others pending.

Proto-Vest Inc.

*Specifications subject to change without notice.

**If starting motor over 10-12 times an hour it may be more efficient to leave blower on.

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