



Windshear®

EQUIPMENT

- A** OVERALL LENGTH
44 3/8 in.
- B** OVERALL WIDTH
170 in.
- C** OVERALL HEIGHT
119 1/2 in.
- D** BAG HEIGHT
84 in.
- E** BAG WIDTH
60 in.

Machine Operating Requirements*

MOTORS

- 30 hp, 3600 RPM's
- 208-230 / 460 volts
- 1.25 service factor
- Frame: 286T
- 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
 - The Silencer Package
 - Vehicle Recognition System (VRS)
- Weight: 1250 lbs. (approximate)

GENERAL DESCRIPTION

The Proto-Vest "Windshear®" is designed as a stand alone drying system. It is ideal for tunnels with a variety of line speeds, rollovers and self-service applications. This patented system utilizes one (1) 30 hp Magnum blower, 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 allowing the system to operate with only one 30hp Magnum blower. With the improved performance of the Magnum blower assembly the Windshear®'s drying quality far surpasses any comparable horsepower dryer in its class.

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 powder coated while 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" will provide an effectively dried car at a wide variety of line speeds.

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® - (1) 30hp dryer:	
WS: 10 ft=76.9 dBA;	WOS: 10 ft=91 dBA
WS: 20 ft=70.9 dBA;	WOS: 20 ft=84.9 dBA
WS: 30 ft=67.4 dBA;	WOS: 30 ft=81.4 dBA
WS: 40 ft=64.9 dBA;	WOS: 40 ft=78.9 dBA
WS: 50 ft=63 dBA;	WOS: 50 ft=77 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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