



VS SERIES

IN-LINE VENTILATORS

VENTERGY® SERIES FANS

IOM



*VS4, VS6 and VS6 MAX only

READ AND SAVE THESE INSTRUCTIONS

Product Description

Ventergy® Series In-line Ventilator Fans represent years of engineering development to combine the energy efficiency and sound performance of a forward-curved fan with the durability and pressure characteristics of a backward-inclined impeller fan.

VS Series In-line Ventilators are highly versatile, continuous-duty rated fans for residential and light commercial applications. The VS4, VS6, and VS6 MAX meet ENERGY STAR efficiency criteria for low energy consumption. The most popular use is exhaust ventilation of bathrooms, kitchens, laundry rooms, and garages with the principal advantage of eliminating the high noise levels found in traditional fans. With the increasingly tight construction of energy-efficient buildings, there is a growing need for mechanical ventilation for indoor air quality. These fans are designed to serve this purpose by providing effective bathroom ventilation with a provision to run the fan intermittently or continuously. Quiet, continuous-duty, energy-efficient, external-rotor motors with permanently sealed bearings provide many years of maintenance-free performance.

Construction

VS Series fans are constructed of heavy-gauge galvanized steel to prevent corrosion caused by moisture. The cabinet is internally lined with an acoustic, closed-cell foam insulation that acts as a vapor barrier. This allows installation directly above living spaces or in unheated plenums without concern for noise or condensation.

Controls

The fans can be operated manually or automatically by a programmable timer or dehumidistat. They may also be operated in conjunction with a variable speed control.

Ducting the Fan

The ducting from this fan to the outside of the building has a strong effect on the airflow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated airflow.

Fan and Motor

The fan motor is an energy-efficient, permanent-split-capacitor type of external-rotor design. Totally sealed to protect against moisture and contaminants, it is approved for removing steam and moisture from kitchen and bath areas. The motor incorporates permanently lubricated and sealed bearings and automatic-reset thermal-overload protection. It is designed and certified for continuous duty or intermittent operation.

The fan uses a backward-inclined impeller design that prevents dust from collecting on the blades. Each fan is statically and dynamically balanced in the factory to eliminate vibration and ensure quiet operation. The entire motor and fan assembly is mounted on a drop-down hinged access panel for simple service and inspection, and it can be removed from the fan without disassembling the duct connections.

Locating and Installing

The compact dimensions and versatile mounting options permit installation above drop ceilings, between ceiling joists, or within a small soffit location. They can be installed horizontally or vertically.

Use ductwork of a diameter that is the same as or greater than the diameter of the duct connectors on the fan.

Accessories

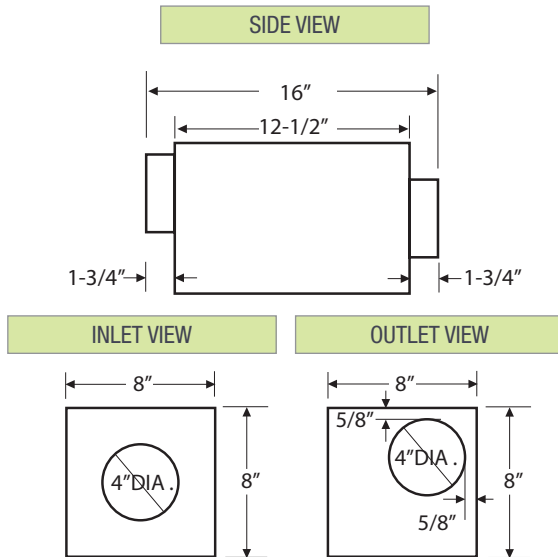
Accessory kits are available to facilitate installation and enhance operation. Accessories kits are sold separately. Please visit aldes-na.com, or contact your local Aldes distributor for details.

Performance

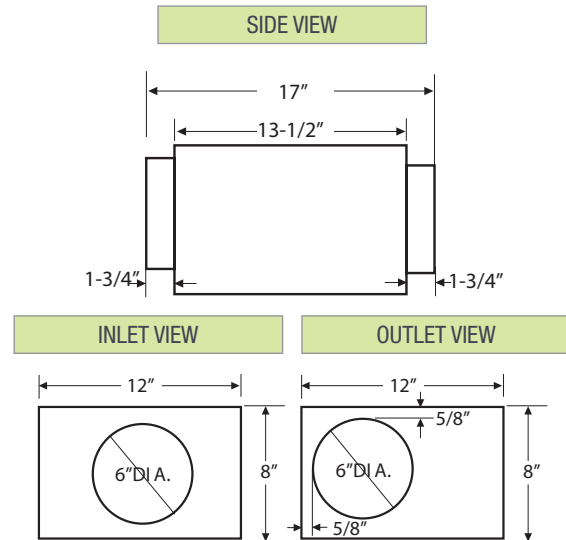
Fan airflow and energy performance shall be tested in accordance with HVI procedures.

Dimensions & Performance

VS4 and VS4 MAX DIMENSIONS



VS6 and VS6 MAX DIMENSIONS



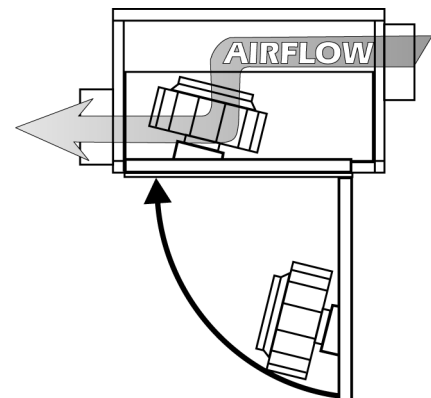
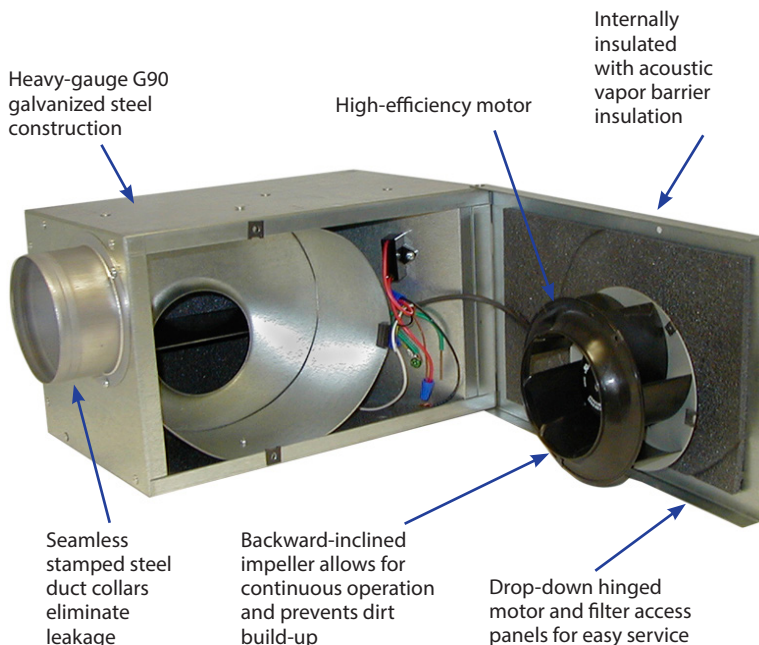
ELECTRICAL DATA

VS4: 115 V, 60 Hz, 20 W, 0.17 A, 2324 RPM
 VS4 MAX: 115 V, 60 Hz, 34 W, 0.29 A, 3135 RPM
 VS6: 115 V, 60 Hz, 41 W, 0.34 A, 2200 RPM
 VS6 MAX: 115 V, 60 Hz, 59 W, 0.53 A, 2960 RPM
 Above ratings are intended for sizing electrical wiring only.
 Actual consumption will be lower.

ELECTRICAL AND AIRFLOW PERFORMANCE*

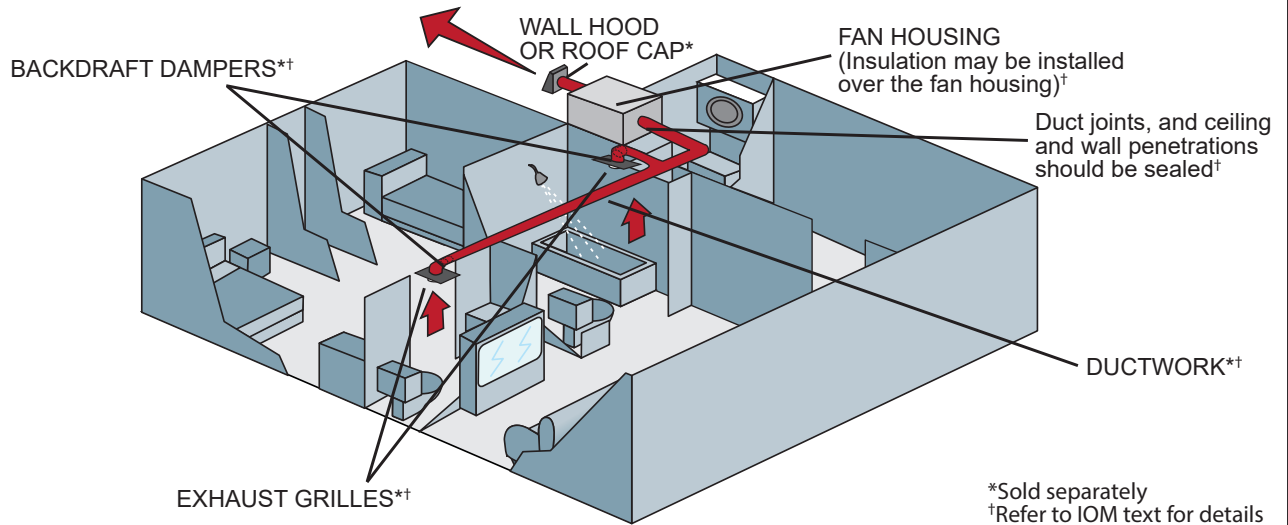
Model	Watts at 0.2" Ps	CFM vs. Static Pressure									ENERGY STAR Certified
		0"	0.2"	0.4"	0.6"	0.8"	1.0"	1.2"	1.4"	1.6"	
VS4	19.6	104	80	60	37	13	--	--	--	--	✓
VS4 MAX	38.1	138	110	106	87	66	39	--	--	--	
VS6	40.1	220	160	141	105	78	46	19	--	--	✓
VS6 MAX	63.3	287	250	234	205	178	151	120	89	38	✓

*Certified airflow rating at 0.2" w.g. is derated from actual test results per HVI Certification procedure 920.
 The HVI Certified Rate for VS4 = 80 CFM, VS4 MAX = 110 CFM, VS6 = 160 CFM, VS6 MAX = 250 CFM.

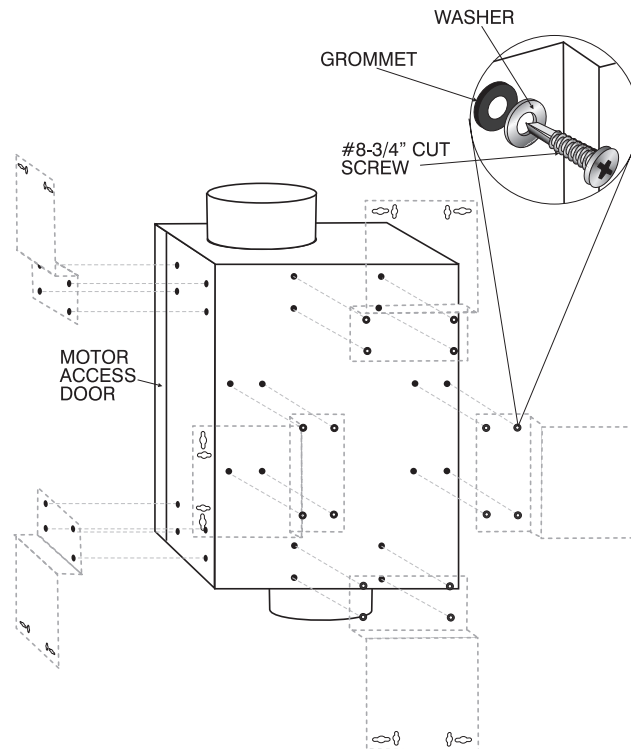


DROP-DOWN HINGED ACCESS PANEL FOR
SIMPLE SERVICE AND INSPECTION

VS SCHEMATIC



MOUNTING BRACKET LOCATIONS



REFERENCE RDF INSTALLATION SUPPLEMENT FOR ADDITIONAL INSTRUCTIONS AND WARRANTY INFORMATION.

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749, or find us on

