



SINGLE PORT VENTILATORS MODEL SPV 200 & SPV 300

PRODUCT
SPECIFICATIONS AND
TECHNICAL
DATA

245R-2-01

APPLICATIONS

These Single Port Ventilators are highly versatile fan units for residential and light commercial applications. Popular applications include **central exhaust ventilation** of bathrooms, kitchens, laundry, exercise rooms, remote fan for range hood connection, etc. They may also be used for **supply or recirculation**. With the increased tightness of construction for energy efficient buildings, there is a growing need for mechanical ventilation for indoor air quality. Used as an exhaust fan for one or more bathrooms, the fans provide effective ventilation, yet **quiet operation**, by virtue of remote mounting in an attic, basement, or mechanical room. Quiet, energy efficient permanent split capacitor motors with permanently sealed bearings provide many years of trouble-free performance. The motors draw less power than many single bath fans, yet can replace up to twelve such units, when continuous low exhaust is desired. For supply applications, the fan may be used to draw outside air, and recirculation air from indoors to provide tempered air to the living space.

Locating & Installing the Fan: The fan is insulated so it may be installed in unheated spaces, such as an attic. All ducting through unheated spaces must be insulated. However, cyclical operation, with long off periods may still cause water to condense in the ducting and fan housing due to slow exfiltration of warm moist air. In this event, backdraft dampers should be provided in the ducting as it pen-



etrates the insulated envelope of the building to block air flow during the off-cycle. With continuous operation, the risk of condensation is dramatically reduced. Whenever

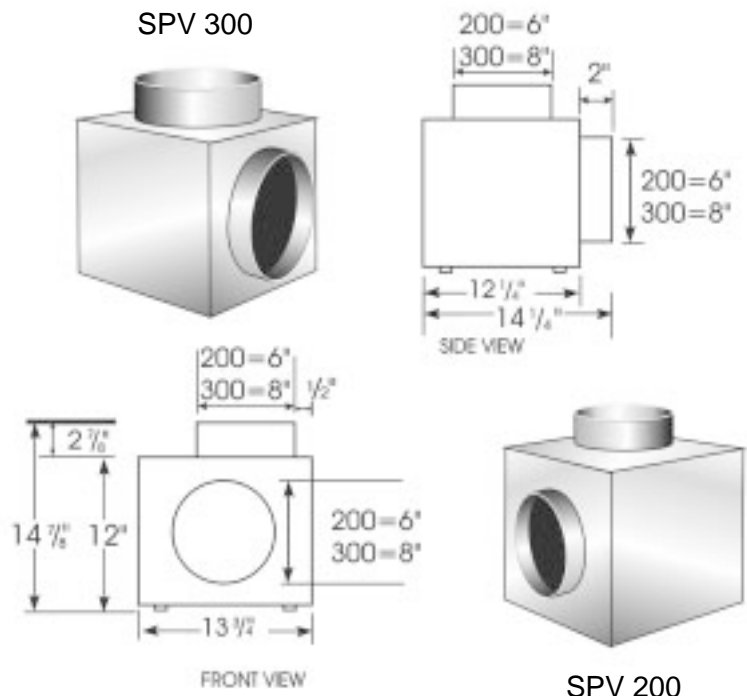
possible, it is advisable to locate the fan within a heated space.

Controls: The fans can be operated manually, automatically by a programmable time of day timer, dehumidistat or continuously. They may also be operated with a variable speed control.

TABLE OF AIRFLOWS AND DUCT LENGTHS SPV MODELS						
AIRFLOW (CFM)	Intake Duct to fan Maximum Duct Length (FT)				Fan Discharge Duct (with low pressure drop vent hood)	
	SPV 200		SPV 300		TOTAL EXHAUST RATE (CFM)	MAXIMUM LENGTH (FT)
	6" SMOOTH DUCT	6" FLEXIBLE DUCT	8" SMOOTH DUCT	8" FLEXIBLE DUCT		
100	380	240			SPV 200 Models 75 to 150 150 to 250	W/6" duct: 25' 10'
125	260	145				
150	160	90	840	470		
175	110	65	620	360	SPV 300 Models 150 to 300	W/8" duct: 10'
200	70	40	480	275		
225	45	25	350	175		
250	35	20	260	130		
275			125	60		
300			40	20		

FOR EACH ELBOW DEDUCT:
3" DIAM - 3' 4" DIAM - 4'
6" DIAM - 7' 8" DIAM - 9'

SPV 200 & 300



Typical Specification

Single Port Fan: American ALDES Ventilation Corporation, Sarasota, FL (1-800-255-7749) ALDES model SPV 200 (or SPV 300). The fan shall be a centrifugal blower housed in an insulated enclosure specifically designed for moderate size residential and light commercial ventilation use. The fan shall be UL listed and labeled, and approved for use over cooking areas.

Construction. The housing shall be of painted or galvanized steel. The motor shall be out of the airstream. The blower shall be of galvanized steel, forward

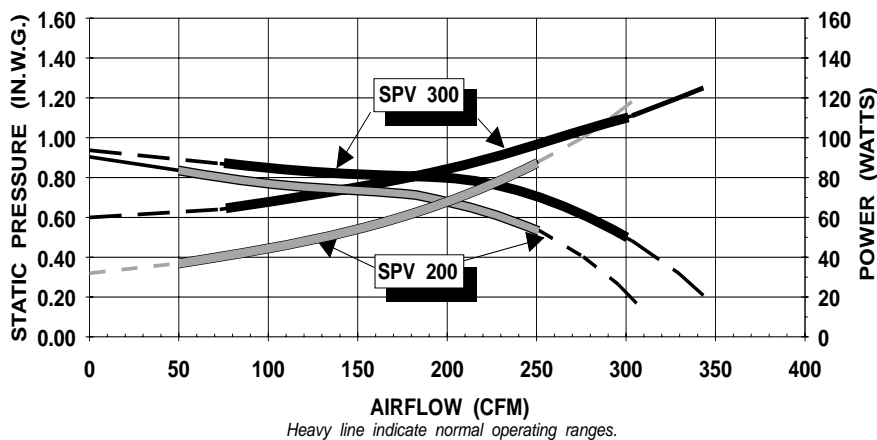
curved. The motor and blower shall be factory balanced for minimal vibration and noise. The motor blower shall be mounted on the housing cover to permit removal from the housing without disassembly of the ducting connections or removal of the housing. The cover shall be secured with screws for easy disassembly. The housing shall be insulated with interior vapor barrier for operation in unheated spaces with reduced risk of condensation. Mounting supports shall be provided to permit hanging by support chains, rods, or other approved means as well

as resilient rubber feet to permit placement on a flat surface.

Motor. The motor shall be of Class A insulation, with permanent split capacitor, permanently lubricated ball sleeve bearings, and equipped with automatic reset thermal overload protection. The motor shall operate with the axis horizontal.

Electrical. The fan shall operate on 115 V. 60 Hz, single phase current. The motor shall be listed for use with a solid-state motor speed control.

AIRFLOW PERFORMANCE, MODEL SPV 200 & SPV 300



ELECTRICAL DATA

SPV 200	SPV 300
120V.	120 V.
60 Hz.	60 Hz.
1.2 amp.	1.5 amp.
125 W.	145 W.
1600 RPM	1500 RPM

Above ratings are intended for sizing electrical wiring only. Actual consumption will be lower. See power curve at left.

WARRANTY

The entire unit is guaranteed for 3 years, from date of shipment, against all manufacturing defects provided the material has been installed and operated per manufacturer's instructions and under normal conditions. Warranty is limited to the repair or replacement of the material upon its return freight paid to our factory. *This warranty is not transferable and is limited to the original end user.*



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