

VARIABLE SPEED EXHAUST SHUTTER FANS

HORTICULTURE

PRODUCT HIGHLIGHTS

FEATURES:

- Totally assembled
- Motor is totally enclosed maintenance free, high efficiency, sealed ball bearings and CSA/CSA-US certified
- Corrosion resistant aluminium shutter with tie bar to reduce shutter flapping and opening on windy days
- Safety grill on intake side meets OSHA standards. Fan must be mounted 7' above ground level on the exhaust side. Optional special order safety grill available for lower mounting options
- 2 year warranty on motor and 1 year limited warranty on all other parts

IDEAL APPLICATIONS:

- Designed for agricultural, horticultural, factories, warehouses, garages, attics and restaurants
- Remove and control unwanted condensation
- Exhaust obnoxious fumes
- Exhaust excessive heat
- Improve inside air quality

OPTIONS:

- Poly fan hood



Our Variable Speed Shutter Fan combines our heavy extruded aluminium shutter with our high performance motor and balanced blade series. Available in 12" up to 24", the heavy-duty high efficiency motor is designed to work in the harshest environment. The powder-coated intake guard is corrosion resistant, safe and strong. The heavy aluminium blade is quiet, balanced and engineered to move maximum air. The matching designed motor, blade combination makes this fan series very energy efficient. The fans are available with optional 9' cord so no electrician is required for installation.

MOTOR FEATURES:

- Motor is CSA/CSA-US approved
- Direct Drive
- 50/60 hz
- Follow Nema standards 48
- Rotors have been balanced to reduce noise vibration and prolong life



- Motor enclosures have been machined to <0.5mm to reduce rotor shaft play
- Copper Windings
- Bearing Specs -40° C to 140° C
- Capacitor rating 450 vac, 10,000 hours for extended life
- Silicon steel rotors and stators



Environmental Solutions, LLC.
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Part #	Size	HP	Spd	Voltage	Ph	Amps Hi/Lo	RPM Hi/Lo	HZ	CFM .10" SP Hi/Lo	CFM .20" SP Hi/Lo	Noise DB	Rough Opening
SFV12C	12"	1/10	VAR	115	1	1.35	1725	60	1080/360	900/300	55/50	12.5" X 12.5"
SFV16C	16"	1/10	VAR	115	1	1.35	1725	60	1890/660	1575/550	55/50	16.5" X 16.5"
SFV2013C	20"	1/3	VAR	115	1	4.20	1725	60	4500/1575	3750/1315	57/52	20.5" X 20.5"
SFV24C	24"	1/2	VAR	115	1	4.94	1725	60	5625/1970	4690/1640	58/53	24.5" X 24.5"
SFV2013	20"	1/3	VAR	115/230	1	4.2/2.05	1725	60	4500/1575	3750/1315	57/52	20.5" X 20.5"
SFV24	24"	1/2	VAR	15/230	1	4.94/2.47	1725	60	5625/1970	4690/1640	58/53	24.5" X 24.5"

ALUMINUM EXHAUST SHUTTER FANS

HORTICULTURE

PRODUCT HIGHLIGHTS

FEATURES:

- Totally assembled
- No electrician required when plugged into an approved electrical outlet
- Built in speed switch with 9' cord attached
- Totally enclosed maintenance free motor
- Corrosion resistant aluminum shutter with tie bar to reduce shutter flapping and opening on windy days
- Safety powder-coated guard on intake side meets OSHA standards
- Three wing aluminum balanced blade
- 2 year warranty on Motor and 1 year limited warranty on all other parts

IDEAL APPLICATIONS:

- Designed for agricultural, horticultural, factories, warehouses, garages, attics
- Remove and control unwanted condensation
- Exhaust obnoxious fumes
- Exhaust excessive heat
- Improve inside air quality



No costly electrician needed!

High performance, easy installation

VES Environmental Solutions, LLC. Exhaust Fan Series with 9' cord are North American's most economical and versatile exhaust fan. Our totally enclosed motor comes complete with built in speed switches and a 9' cord. No electrician is required, just mount the fan in the wall and plug it into an approved receptacle. The corrosion resistant aluminium shutter comes complete with a tie bar to reduce shutter flapping and keep the shutters closed when the fan is not running. On the intake side of the fan the balanced aluminium blade is protected by a durable painted grill.

MOTOR FEATURES:

- Motor is CSA/CSA-US approved
- Direct Drive
- 50/60 hz
- Rotors have been balanced to reduce noise vibration and prolong life
- Motor enclosures have been machined to <0.5mm to reduce rotor shaft play



- Copper windings
- Bearing specifications -40°C to 140°C
- Capacitor rating 450vac, 10,000 hours for extended life
- Silicon steel rotors and stators



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Part #	Size	Blade	Shutter	Cord	Wt. lb	Rough Opening
SF12C3	12"	3-Alum	Alum	9'	1.44	12.5X12.5"
SF16C3	16"	3-Alum	Alum	9'	2.25	16.5X16.5"
SF20C3	20"	3-Alum	Alum	9'	3.18	20.5X20.5"
SF24C2	24"	3-Alum	Alum	9'	4.65	24.5X24.5"

Part #	Size	HP	Spd	Voltage	Ph	Amps H/M/L	RPM H/M/L	HZ	CFM		Noise
									.10" SP H/M/L	.20" SP H/M/L	
SF12C3	12"	1/10	3	115	1	0.9/0.6/0.4	1500/1350/1200	60	11000/770/500	836/640/416	52/48
SF16C3	16"	1/8	3	115	1	1.3/0.9/0.7	1570/1400/1000	60	2700/1890/1170	2250/1575/975	54/50
SF20C3	20"	1/8	3	115	1	1.6/1.2/1.0	1570/1400/1000	60	3825/2970/1935	3188/2475/1613	58/53
SF24C2	24"	1/6	2	115	1	2.8/1.8	1570/1400/1000	60	5310/3218	4425/2682	60/55